

July 15, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09070449

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/10/2009 4:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070449

Report Date: 15-Jul-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09070449-001	P1WW-3	5	7/10/2009 7:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09070449

Report Date: 15-Jul-09

Cooler Receipt Temp: 1.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09070449

Lab ID: 09070449-001

Report Date: 15-Jul-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-3

Collection Date: 7/10/2009 7:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.97		1	7/14/2009 6:59:00 PM	LMK
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	7/10/2009 5:00:00 PM	MAB
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	7/10/2009 6:15:00 PM	JMT
<u>SW-846 9012A (TOTAL) MODIFIED</u>								
Cyanide		0.007		0.045	mg/L	1	7/14/2009 4:36:11 PM	RCE
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/13/2009 12:09:37 PM	LAL
Barium	NELAP	0.0050		0.202	mg/L	1	7/13/2009 12:09:37 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/13/2009 12:09:37 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/13/2009 12:09:37 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/13/2009 12:09:37 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/13/2009 12:09:37 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	7/14/2009 6:05:14 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0014	mg/L	1	7/14/2009 12:11:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS**Client:** PSC Industrial Outsourcing, LP**WorkOrder:** 09070449**Lab ID:** 09070449-001**Report Date:** 15-Jul-09**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** P1WW-3**Collection Date:** 7/10/2009 7:00:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	7/14/2009 12:11:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		74.0	%REC	1	7/14/2009 12:11:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		51.2	%REC	1	7/14/2009 12:11:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		82.4	%REC	1	7/14/2009 12:11:00 PM	MAV
Surr: Phenol-d5		11-42.8		33.2	%REC	1	7/14/2009 12:11:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		73.8	%REC	1	7/14/2009 12:11:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/14/2009 2:30:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/14/2009 2:30:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	7/14/2009 2:30:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/14/2009 2:30:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		99.8	%REC	1	7/14/2009 2:30:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		100.8	%REC	1	7/14/2009 2:30:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		99.7	%REC	1	7/14/2009 2:30:00 PM	TAL
Surr: Toluene-d8		84.3-114		99.7	%REC	1	7/14/2009 2:30:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/13/2009	ALU
<u>SW-846 9012A MODIFIED</u>								
Cyanide, Amenable to Chlorination		0.007		Interference	mg/L	1	7/14/2009 4:36:11 PM	RCE

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09070449-001A	P1WW-3	7/10/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/13/2009 4:22:28 PM	7/14/2009 12:11:00 PM
09070449-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/14/2009 6:59:00 PM
				Standard Methods 18th Ed. 2540 D		7/10/2009 5:00:00 PM
				Standard Methods 18th Ed. 5210 B	7/10/2009 6:15:00 PM	7/10/2009 6:15:00 PM
09070449-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/10/2009 5:45:00 PM	7/13/2009 12:09:37 PM
				SW-846 3020A, Metals by GFAA (Total)	7/13/2009 4:42:01 PM	7/14/2009 6:05:14 PM
				SW-846 7470A (Total)	7/13/2009 2:51:48 PM	7/13/2009
09070449-001D				SW-846 9012A (Total) Modified		7/14/2009 4:36:11 PM
				SW-846 9012A Modified		7/14/2009 4:36:11 PM
09070449-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/14/2009 10:27:54 AM	7/14/2009 2:30:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MB-R124453		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 124453		
Client ID: ZZZZZZ		Batch ID: R124453					Analysis Date: 7/10/2009			SeqNo: 2330706	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R124453		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 124453		
Client ID: ZZZZZZ		Batch ID: R124453			Analysis Date: 7/10/2009			SeqNo: 2330707				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 124453		
Client ID: ZZZZZZ		Batch ID: R124453			Analysis Date: 7/10/2009			SeqNo: 2331093				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
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Sample ID: 09070449-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 124453		
Client ID: P1WW-3DUP		Batch ID: R124453		Analysis Date: 7/10/2009						SeqNo: 2331466	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						5.000	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 124453		
Client ID: ZZZZZZ		Batch ID: R124453			Analysis Date: 7/10/2009			SeqNo: 2331467				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	107	6	100.0	0	107.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: LCS-R124612		SampType: LCS			Units:		Prep Date:			RunNo: 124612		
Client ID: ZZZZZZ		Batch ID: R124612			Analysis Date: 7/14/2009			SeqNo: 2334365				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 09070449-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 124612			
Client ID: P1WW-3DUP		Batch ID: R124612				Analysis Date: 7/14/2009		SeqNo: 2334367			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.99	1.00						7.970	0.251	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: LCS-54156		SampType: LCS			Units: mg/L		Prep Date: 7/10/2009			RunNo: 124572		
Client ID: ZZZZZZ		Batch ID: 54156			SOP 2030		Analysis Date: 7/10/2009			SeqNo: 2333493		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Biochemical Oxygen Demand	204	5	198.0	0	103.0	84.6	115.4
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Sample ID: LCSQC-54156		SampType: LCSQC			Units: mg/L		Prep Date: 7/10/2009			RunNo: 124572		
Client ID: ZZZZZZ		Batch ID: 54156			SOP 2030		Analysis Date: 7/10/2009			SeqNo: 2333494		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Biochemical Oxygen Demand	55	5	58.00	0	94.8	62.2	135.5
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Sample ID: 09070449-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 7/10/2009			RunNo: 124572		
Client ID: P1WW-3DUP		Batch ID: 54156		SOP 2030		Analysis Date: 7/10/2009			SeqNo: 2333504		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	< 5	5						0	0	40
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MB-54122		SampType: MBLK			Units: mg/L		Prep Date: 7/10/2009		RunNo: 124486		
Client ID: ZZZZZZ		Batch ID: 54122			SOP 3034		Analysis Date: 7/13/2009		SeqNo: 2332236		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	0.026	0.0500	0.05000	0	51.0	-100	100				J
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54122	SampType: LCS	Units: mg/L				Prep Date: 7/10/2009			RunNo: 124486		
Client ID: ZZZZZZ	Batch ID: 54122	SOP 3034				Analysis Date: 7/13/2009			SeqNo: 2332238		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	105.8	85	115				
Barium	2.13	0.0050	2.000	0	106.6	85	115				
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Chromium	0.217	0.0100	0.2000	0	108.7	85	115				
Selenium	2.09	0.0500	2.000	0	104.6	85	115				
Silver	0.0521	0.0100	0.05000	0	104.2	85	115				

Sample ID: MB-54122	SampType: MBLK	Units: mg/L			Prep Date: 7/10/2009			RunNo: 124486			
Client ID: ZZZZZZ	Batch ID: 54122	SOP 3034			Analysis Date: 7/13/2009			SeqNo: 2332237			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	0.026	0.0500	0.05000	0	51.0	-100	100				J
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: LCS-54122	SampType: LCS	Units: mg/L				Prep Date: 7/10/2009			RunNo: 124486		
Client ID: ZZZZZZ	Batch ID: 54122	SOP 3034				Analysis Date: 7/13/2009			SeqNo: 2332239		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	105.8	85	115				
Barium	2.13	0.0050	2.000	0	106.6	85	115				
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Chromium	0.217	0.0100	0.2000	0	108.7	85	115				
Selenium	2.09	0.0500	2.000	0	104.6	85	115				
Silver	0.0521	0.0100	0.05000	0	104.2	85	115				

Sample ID: 09070449-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/10/2009			RunNo: 124486		
Client ID: P1WW-3MS	Batch ID: 54122	SOP 3034				Analysis Date: 7/13/2009			SeqNo: 2332254		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	107.2	75	125				
Barium	2.19	0.0050	2.000	0.2023	99.3	75	125				
Cadmium	0.0498	0.0020	0.05000	0	99.6	75	125				
Chromium	0.212	0.0100	0.2000	0	106.0	75	125				
Selenium	2.11	0.0500	2.000	0	105.6	75	125				
Silver	0.0523	0.0100	0.05000	0	104.6	75	125				

Sample ID: 09070449-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/10/2009			RunNo: 124486		
Client ID: P1WW-3MSD	Batch ID: 54122	SOP 3034				Analysis Date: 7/13/2009			SeqNo: 2332255		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.6	75	125	2.144	0.372	20	
Barium	2.23	0.0050	2.000	0.2023	101.2	75	125	2.188	1.77	20	
Cadmium	0.0494	0.0020	0.05000	0	98.8	75	125	0.04980	0.806	20	
Chromium	0.211	0.0100	0.2000	0	105.5	75	125	0.2119	0.426	20	
Selenium	2.11	0.0500	2.000	0	105.4	75	125	2.113	0.189	20	
Silver	0.0521	0.0100	0.05000	0	104.2	75	125	0.05230	0.383	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MB-54121		SampType: MBLK		Units: mg/L		Prep Date: 7/10/2009			RunNo: 124601		
Client ID: ZZZZZZ		Batch ID: 54121		SOP 3044		Analysis Date: 7/14/2009			SeqNo: 2334170		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-54121		SampType: LCS		Units: mg/L		Prep Date: 7/10/2009			RunNo: 124601		
Client ID: ZZZZZZ		Batch ID: 54121		SOP 3044		Analysis Date: 7/14/2009			SeqNo: 2334171		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0164	0.0020	0.01500	0	109.1	80	120			
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Sample ID: 09070449-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/13/2009			RunNo: 124601		
Client ID: P1WW-3MS		Batch ID: 54121		SOP 3044		Analysis Date: 7/14/2009			SeqNo: 2334187		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0167	0.0020	0.01500	0.0006582	106.8	70	130			
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Sample ID: 09070449-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/13/2009			RunNo: 124601		
Client ID: P1WW-3MSD		Batch ID: 54121		SOP 3044		Analysis Date: 7/14/2009			SeqNo: 2334188		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0169	0.0020	0.01500	0.0006582	108.2	70	130	0.01668	1.28	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MB-54153	SampType: MBLK	Units: mg/L				Prep Date: 7/13/2009			RunNo: 124534		
Client ID: ZZZZZZ	Batch ID: 54153	SOP 3062				Analysis Date: 7/13/2009			SeqNo: 2332444		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-54153	SampType: LCS	Units: mg/L				Prep Date: 7/13/2009			RunNo: 124534		
Client ID: ZZZZZZ	Batch ID: 54153	SOP 3062				Analysis Date: 7/13/2009			SeqNo: 2332445		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00464	0.00020	0.005000	0	92.8	85	115				

Sample ID: MB-54153	SampType: MBLK	Units: mg/L				Prep Date: 7/13/2009			RunNo: 124534		
Client ID: ZZZZZZ	Batch ID: 54153	SOP 3062				Analysis Date: 7/13/2009			SeqNo: 2332448		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-54153	SampType: LCS	Units: mg/L				Prep Date: 7/13/2009			RunNo: 124534		
Client ID: ZZZZZZ	Batch ID: 54153	SOP 3062				Analysis Date: 7/13/2009			SeqNo: 2332449		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00464	0.00020	0.005000	0	92.8	85	115				

Sample ID: 09070449-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/13/2009			RunNo: 124534		
Client ID: P1WW-3MS	Batch ID: 54153	SOP 3062				Analysis Date: 7/13/2009			SeqNo: 2332460		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00448	0.00020	0.005000	0	89.6	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: 09070449-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/13/2009		RunNo: 124534			
Client ID: P1WW-3MSD		Batch ID: 54153		SOP 3062		Analysis Date: 7/13/2009		SeqNo: 2332461			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00457	0.00020	0.005000	0	91.4	75	125	0.004480	1.99	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: LCS-R090714-1	SampType: LCS	Units: µg/L			Prep Date: 7/14/2009			RunNo: 124611			
Client ID: ZZZZZZ	Batch ID: 54192	SW5030			Analysis Date: 7/14/2009			SeqNo: 2334353			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.3	2.0	50.00	0	92.6	82.7	117				
Ethylbenzene	51.0	5.0	50.00	0	102.0	83	113				
Toluene	49.7	5.0	50.00	0	99.4	79.6	116				
Xylenes, Total	101	5.0	100.0	0	101.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	49.1		50.00		98.3	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100.1	86	119				
Surr: Dibromofluoromethane	49.9		50.00		99.7	81.7	123				
Surr: Toluene-d8	50.4		50.00		100.7	84.3	114				

Sample ID: LCSD-R090714-1	SampType: LCSD	Units: µg/L			Prep Date: 7/14/2009			RunNo: 124611			
Client ID: ZZZZZZ	Batch ID: 54192	SW5030			Analysis Date: 7/14/2009			SeqNo: 2334354			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.2	2.0	50.00	0	88.3	82.7	117	46.32	4.75	20	
Ethylbenzene	49.1	5.0	50.00	0	98.2	83	113	50.99	3.82	20	
Toluene	47.7	5.0	50.00	0	95.4	79.6	116	49.72	4.13	20	
Xylenes, Total	97.3	5.0	100.0	0	97.3	80.3	120	101.4	4.17	20	
Surr: 1,2-Dichloroethane-d4	48.9		50.00		97.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.5		50.00		100.9	86	119		0	0	
Surr: Dibromofluoromethane	49.8		50.00		99.6	81.7	123		0	0	
Surr: Toluene-d8	50.1		50.00		100.2	84.3	114		0	0	

Sample ID: MBLK-R090714-1	SampType: MBLK	Units: µg/L			Prep Date: 7/14/2009			RunNo: 124611			
Client ID: ZZZZZZ	Batch ID: 54192	SW5030			Analysis Date: 7/14/2009			SeqNo: 2334355			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MBLK-R090714-1		SampType: MBLK		Units: µg/L		Prep Date: 7/14/2009		RunNo: 124611			
Client ID: ZZZZZZ		Batch ID: 54192		SW5030		Analysis Date: 7/14/2009		SeqNo: 2334355			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	49.8		50.00		99.5	74.7	129				
Surr: 4-Bromofluorobenzene	51.2		50.00		102.4	86	119				
Surr: Dibromofluoromethane	49.4		50.00		98.7	81.7	123				
Surr: Toluene-d8	49.9		50.00		99.9	84.3	114				

Sample ID: 09070449-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/14/2009		RunNo: 124611			
Client ID: P1WW-3MS		Batch ID: 54192		SW5030		Analysis Date: 7/14/2009		SeqNo: 2334359			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	54.7	2.0	54.00	0	101.4	57.8	125				
Toluene	55.9	5.0	54.00	0	103.4	75.8	123				
Ethylbenzene	57.2	5.0	54.00	0	105.9	72.8	123				
Xylenes, Total	112	5.0	108.0	0	103.6	73	127				
Surr: 1,2-Dichloroethane-d4	49.8		50.00		99.6	74.7	129				
Surr: 4-Bromofluorobenzene	50.6		50.00		101.3	86	119				
Surr: Dibromofluoromethane	50.0		50.00		100	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: 09070449-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/14/2009			RunNo: 124611		
Client ID: P1WW-3MSD		Batch ID: 54192		SW5030		Analysis Date: 7/14/2009			SeqNo: 2334360		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	54.4	2.0	54.00	0	100.8	57.8	125	54.73	0.586	20	
Toluene	56.4	5.0	54.00	0	104.4	75.8	123	55.86	0.944	20	
Ethylbenzene	57.2	5.0	54.00	0	105.9	72.8	123	57.17	0.0350	20	
Xylenes, Total	112	5.0	108.0	0	104.1	73	127	111.8	0.544	20	
Surr: 1,2-Dichloroethane-d4	49.8		50.00		99.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.5		50.00		101.1	86	119		0	0	
Surr: Dibromofluoromethane	49.6		50.00		99.1	81.7	123		0	0	
Surr: Toluene-d8	49.8		50.00		99.5	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: LCS-54160	SampType: LCS	Units: mg/L			Prep Date: 7/13/2009			RunNo: 124585			
Client ID: ZZZZZZ	Batch ID: 54160	SW3510C			Analysis Date: 7/14/2009			SeqNo: 2333764			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00379	0.00010	0.005000	0	75.7	50.1	103				
Acenaphthylene	0.00403	0.00010	0.005000	0	80.6	53.3	122				
Anthracene	0.00479	0.00010	0.005000	0	95.8	57.4	110				
Benzo(a)anthracene	0.00425	0.00010	0.005000	0	84.9	56	102				
Benzo(a)pyrene	0.00465	0.00010	0.005000	0	93.0	55.4	125				
Benzo(b)fluoranthene	0.00476	0.00010	0.005000	0	95.2	59.3	127				
Benzo(g,h,i)perylene	0.00465	0.00010	0.005000	0	92.9	58.4	125				
Benzo(k)fluoranthene	0.00503	0.00010	0.005000	0	100.6	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00598	0.00200	0.005000	0	119.6	63.2	152				
Chrysene	0.00506	0.00010	0.005000	0	101.2	58.7	118				
Dibenzo(a,h)anthracene	0.00460	0.00010	0.005000	0	92.0	59.3	126				
Diethyl phthalate	0.00500	0.00100	0.005000	0	100	55.3	133				
Dimethyl phthalate	0.00452	0.00100	0.005000	0	90.3	55.7	112				
Di-n-butyl phthalate	0.00541	0.00100	0.005000	0	108.1	61.5	130				
Fluoranthene	0.00492	0.00010	0.005000	0	98.4	60.1	117				
Fluorene	0.00428	0.00010	0.005000	0	85.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00464	0.00010	0.005000	0	92.7	58.1	123				
m,p-Cresol	0.00336	0.00010	0.005000	0	67.2	17.9	107				
Naphthalene	0.00276	0.00010	0.005000	0	55.1	36.3	97.1				
o-Cresol	0.00389	0.00010	0.005000	0	77.8	20.5	109				
Phenanthrene	0.00474	0.00010	0.005000	0	94.8	55.9	107				
Pyrene	0.00489	0.00010	0.005000	0	97.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00341		0.005000		68.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00567		0.01000		56.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00405		0.005000		81.0	39.9	106				
Surr: Phenol-d5	0.00395		0.01000		39.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00437		0.005000		87.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: LCSD-54160		SampType: LCSD		Units: mg/L		Prep Date: 7/13/2009		RunNo: 124585			
Client ID: ZZZZZZ		Batch ID: 54160		SW3510C		Analysis Date: 7/14/2009		SeqNo: 2333765			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00383	0.00010	0.005000	0	76.6	50.1	103	0.003787	1.08	50	
Acenaphthylene	0.00405	0.00010	0.005000	0	80.9	53.3	122	0.004028	0.446	50	
Anthracene	0.00464	0.00010	0.005000	0	92.8	57.4	110	0.004790	3.14	50	
Benzo(a)anthracene	0.00417	0.00010	0.005000	0	83.3	56	102	0.004247	1.90	50	
Benzo(a)pyrene	0.00466	0.00010	0.005000	0	93.2	55.4	125	0.004650	0.258	50	
Benzo(b)fluoranthene	0.00463	0.00010	0.005000	0	92.5	59.3	127	0.004762	2.90	50	
Benzo(g,h,i)perylene	0.00458	0.00010	0.005000	0	91.5	58.4	125	0.004646	1.50	50	
Benzo(k)fluoranthene	0.00498	0.00010	0.005000	0	99.6	61.5	125	0.005028	0.959	50	
Bis(2-ethylhexyl)phthalate	0.00571	0.00200	0.005000	0	114.2	63.2	152	0.005982	4.64	50	
Chrysene	0.00509	0.00010	0.005000	0	101.7	58.7	118	0.005058	0.572	50	
Dibenzo(a,h)anthracene	0.00451	0.00010	0.005000	0	90.2	59.3	126	0.004601	1.98	50	
Diethyl phthalate	0.00474	0.00100	0.005000	0	94.8	55.3	133	0.005002	5.42	0	
Dimethyl phthalate	0.00445	0.00100	0.005000	0	89.1	55.7	112	0.004517	1.40	0	
Di-n-butyl phthalate	0.00537	0.00100	0.005000	0	107.5	61.5	130	0.005407	0.631	50	
Fluoranthene	0.00461	0.00010	0.005000	0	92.3	60.1	117	0.004919	6.40	50	
Fluorene	0.00402	0.00010	0.005000	0	80.5	54.1	110	0.004280	6.19	50	
Indeno(1,2,3-cd)pyrene	0.00461	0.00010	0.005000	0	92.1	58.1	123	0.004637	0.649	50	
m,p-Cresol	0.00346	0.00010	0.005000	0	69.2	17.9	107	0.003362	2.84	50	
Naphthalene	0.00290	0.00010	0.005000	0	57.9	36.3	97.1	0.002755	4.96	50	
o-Cresol	0.00413	0.00010	0.005000	0	82.5	20.5	109	0.003890	5.91	50	
Phenanthrene	0.00484	0.00010	0.005000	0	96.8	55.9	107	0.004740	2.11	50	
Pyrene	0.00478	0.00010	0.005000	0	95.5	61.4	116	0.004886	2.28	50	
Surr: 2-Fluorobiphenyl	0.00325		0.005000		65.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00593		0.01000		59.3	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00399		0.005000		79.8	39.9	106		0	50	
Surr: Phenol-d5	0.00405		0.01000		40.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00427		0.005000		85.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MB-54160	SampType: MBLK	Units: mg/L			Prep Date: 7/13/2009			RunNo: 124585			
Client ID: ZZZZZZ	Batch ID: 54160	SW3510C			Analysis Date: 7/14/2009			SeqNo: 2333767			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00328		0.005000		65.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00553		0.01000		55.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00414		0.005000		82.8	39.9	106				
Surr: Phenol-d5	0.00378		0.01000		37.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00364		0.005000		72.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A Aqueous (TCN)

Lab Order: 09070449

Report Date: 15-Jul-09

Sample ID: MB-R124595		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 124595		
Client ID: ZZZZZZ		Batch ID: R124595			Analysis Date: 7/14/2009			SeqNo: 2334061				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R124595		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 124595		
Client ID: ZZZZZZ		Batch ID: R124595			Analysis Date: 7/14/2009			SeqNo: 2334062				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.089	0.007	0.1000	0	89.2	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 124595		
Client ID: ZZZZZZ		Batch ID: R124595			Analysis Date: 7/14/2009			SeqNo: 2334063				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.089	0.007	0.1000	0	88.6	70	120				
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Sample ID: 09070449-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 124595		
Client ID: P1WW-3MS		Batch ID: R124595			Analysis Date: 7/14/2009			SeqNo: 2334088				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.141	0.007	0.1000	0.04541	95.7	75	125				
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Sample ID: 09070449-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 124595		
Client ID: P1WW-3MSD		Batch ID: R124595					Analysis Date: 7/14/2009			SeqNo: 2334089	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.145	0.007	0.1000	0.04541	99.4	75	125	0.1411	2.61	15	
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070449

Report Date: 15-Jul-09

Carrier: Leslie Hoosier

Received By: EC

Completed by:

On:

10-Jul-09

Erin Clarke

Reviewed by:

On:

13-Jul-09

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Per Pete Sazama, results due 7/15/09 (with the exception of BOD-5 day). 7/14/09 HAW

pg. 1 of 1 Work Order # 09070449

Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 1.8 °C
Preserved in: ☒ Field ☐ Lab FOR LAB USE ONLY
Lab Notes: RIN 7/10/09
Comments: thudspore

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☐ No
- Are these samples known to be hazardous? ☐ Yes ☐ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

[illegible]

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

July 22, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: Champaign 62403053

WorkOrder: 09070649

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 7/16/2009 5:17:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: Champaign 62403053
Lab Order: 09070649
Report Date: 22-Jul-09

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09070649-001	P1WW-4	5	7/16/2009 1:00:00 PM
09070649-002	P1WW-5	5	7/16/2009 1:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

LabOrder: 09070649

Report Date: 22-Jul-09

CASE NARRATIVE

Cooler Receipt Temp: 7.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

Client Project: Champaign 62403053

WorkOrder: 09070649

Client Sample ID: P1WW-4

Lab ID: 09070649-001

Collection Date: 7/16/2009 1:00:00 PM

Report Date: 22-Jul-09

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.77		1	7/17/2009 11:15:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		139	mg/L	1	7/17/2009 10:05:00 AM	MAB
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	7/17/2009 2:20:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/17/2009 1:29:06 PM	LAL
Barium	NELAP	0.0050		0.254	mg/L	1	7/17/2009 1:29:06 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/17/2009 1:29:06 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/17/2009 1:29:06 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/17/2009 1:29:06 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/17/2009 1:29:06 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0008	mg/L	1	7/17/2009 1:43:10 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	7/17/2009 12:22:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

Client Project: Champaign 62403053

WorkOrder: 09070649

Client Sample ID: P1WW-4

Lab ID: 09070649-001

Collection Date: 7/16/2009 1:00:00 PM

Report Date: 22-Jul-09

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr: 2-Fluorobiphenyl		41.1-108		71.9	%REC	1	7/17/2009 12:22:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		44.8	%REC	1	7/17/2009 12:22:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		83.0	%REC	1	7/17/2009 12:22:00 PM	MAV
Surr: Phenol-d5		11-42.8		27.9	%REC	1	7/17/2009 12:22:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		76.4	%REC	1	7/17/2009 12:22:00 PM	MAV
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
1,2-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
1,3-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
1,4-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,4-Dichlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,4-Dimethylphenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,4-Dinitrophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,4-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2,6-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2-Chloronaphthalene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2-Chlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2-Methoxy-4-methylphenol		0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2-Methylnaphthalene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2-Nitroaniline	NELAP	0.040		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
2-Nitrophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
3-Nitroaniline	NELAP	0.040		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4-Chloroaniline	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4-Nitroaniline	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
4-Nitrophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Aniline	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Azobenzene		0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Benzidine	NELAP	0.040		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Benzoic acid	NELAP	0.050		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Benzyl alcohol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 09070649
Lab ID: 09070649-001
Report Date: 22-Jul-09

Client Project: Champaign 62403053
Client Sample ID: P1WW-4
Collection Date: 7/16/2009 1:00:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Bis(2-chloroethyl)ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Butyl benzyl phthalate	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Carbazole	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Dibenzofuran	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Di-n-octyl phthalate	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Hexachlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Hexachlorobutadiene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Hexachloroethane	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Isophorone	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Nitrobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
N-Nitrosodimethylamine	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	0.010		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Pentachlorophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Phenol	NELAP	0.005		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Pyridine	NELAP	0.020		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Quinoline		0.005		ND	mg/L	1	7/17/2009 1:14:00 PM	DMH
Surr: 2,4,6-Tribromophenol		27.7-149		90.8	%REC	1	7/17/2009 1:14:00 PM	DMH
Surr: 2-Fluorobiphenyl		44.9-116		90.0	%REC	1	7/17/2009 1:14:00 PM	DMH
Surr: 2-Fluorophenol		10.6-78.7		42.3	%REC	1	7/17/2009 1:14:00 PM	DMH
Surr: Nitrobenzene-d5		41.4-104		71.7	%REC	1	7/17/2009 1:14:00 PM	DMH
Surr: Phenol-d5		9.04-52.9		27.6	%REC	1	7/17/2009 1:14:00 PM	DMH
Surr: p-Terphenyl-d14		23.5-114		72.3	%REC	1	7/17/2009 1:14:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/17/2009 11:43:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/17/2009 11:43:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	7/17/2009 11:43:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/17/2009 11:43:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		98.7	%REC	1	7/17/2009 11:43:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		102.8	%REC	1	7/17/2009 11:43:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		101.4	%REC	1	7/17/2009 11:43:00 AM	TAL
Surr: Toluene-d8		84.3-114		97.3	%REC	1	7/17/2009 11:43:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/17/2009	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.010		0.075	ml/L	1	7/17/2009 2:01:11 PM	RCE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

Client Project: Champaign 62403053

WorkOrder: 09070649

Client Sample ID: P1WW-4

Lab ID: 09070649-001

Collection Date: 7/16/2009 1:00:00 PM

Report Date: 22-Jul-09

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.007		0.210	mg/L	1	7/17/2009 2:01:11 PM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 09070649
Lab ID: 09070649-002
Report Date: 22-Jul-09

Client Project: Champaign 62403053
Client Sample ID: P1WW-5
Collection Date: 7/16/2009 1:00:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.96		1	7/17/2009 11:17:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		10	mg/L	1	7/17/2009 10:05:00 AM	MAB
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	7/17/2009 2:20:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/17/2009 1:49:03 PM	LAL
Barium	NELAP	0.0050		0.213	mg/L	1	7/17/2009 1:49:03 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/17/2009 1:49:03 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/17/2009 1:49:03 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/17/2009 1:49:03 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/17/2009 1:49:03 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	7/17/2009 1:46:32 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	7/17/2009 12:56:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 09070649
Lab ID: 09070649-002
Report Date: 22-Jul-09

Client Project: Champaign 62403053
Client Sample ID: P1WW-5
Collection Date: 7/16/2009 1:00:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr: 2-Fluorobiphenyl		41.1-108		68.2	%REC	1	7/17/2009 12:56:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		39.9	%REC	1	7/17/2009 12:56:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		74.6	%REC	1	7/17/2009 12:56:00 PM	MAV
Surr: Phenol-d5		11-42.8		24.6	%REC	1	7/17/2009 12:56:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		71.2	%REC	1	7/17/2009 12:56:00 PM	MAV
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
1,2-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
1,3-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
1,4-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,4-Dichlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,4-Dimethylphenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,4-Dinitrophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,4-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2,6-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2-Chloronaphthalene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2-Chlorophenol	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2-Methoxy-4-methylphenol		0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2-Methylnaphthalene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2-Nitroaniline	NELAP	0.040		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
2-Nitrophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
3-Nitroaniline	NELAP	0.040		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4-Chloroaniline	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4-Nitroaniline	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
4-Nitrophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Aniline	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Azobenzene		0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Benzidine	NELAP	0.040		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Benzoic acid	NELAP	0.050		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Benzyl alcohol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 09070649
Lab ID: 09070649-002
Report Date: 22-Jul-09

Client Project: Champaign 62403053
Client Sample ID: P1WW-5
Collection Date: 7/16/2009 1:00:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Bis(2-chloroethyl)ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Butyl benzyl phthalate	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Carbazole	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Dibenzofuran	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Di-n-octyl phthalate	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Hexachlorobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Hexachlorobutadiene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Hexachloroethane	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Isophorone	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Nitrobenzene	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
N-Nitrosodimethylamine	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	0.010		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Pentachlorophenol	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Phenol	NELAP	0.005		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Pyridine	NELAP	0.020		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Quinoline		0.005		ND	mg/L	1	7/17/2009 1:44:00 PM	DMH
Surr: 2,4,6-Tribromophenol		27.7-149		90.8	%REC	1	7/17/2009 1:44:00 PM	DMH
Surr: 2-Fluorobiphenyl		44.9-116		96.1	%REC	1	7/17/2009 1:44:00 PM	DMH
Surr: 2-Fluorophenol		10.6-78.7		41.2	%REC	1	7/17/2009 1:44:00 PM	DMH
Surr: Nitrobenzene-d5		41.4-104		76.7	%REC	1	7/17/2009 1:44:00 PM	DMH
Surr: Phenol-d5		9.04-52.9		26.4	%REC	1	7/17/2009 1:44:00 PM	DMH
Surr: p-Terphenyl-d14		23.5-114		85.4	%REC	1	7/17/2009 1:44:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/17/2009 12:13:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/17/2009 12:13:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	7/17/2009 12:13:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/17/2009 12:13:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		98.6	%REC	1	7/17/2009 12:13:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		102.0	%REC	1	7/17/2009 12:13:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		99.8	%REC	1	7/17/2009 12:13:00 PM	TAL
Surr: Toluene-d8		84.3-114		96.8	%REC	1	7/17/2009 12:13:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/17/2009	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.010		0.012	ml/L	1	7/17/2009 2:01:11 PM	RCE

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

Client Project: Champaign 62403053

WorkOrder: 09070649

Client Sample ID: P1WW-5

Lab ID: 09070649-002

Collection Date: 7/16/2009 1:00:00 PM

Report Date: 22-Jul-09

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.007		0.030	mg/L	1	7/17/2009 2:01:11 PM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Client: PSC Industrial Outsourcing, LP
Project: Champaign 62403053
Lab Order: 09070649
Report Date: 22-Jul-09

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09070649-001A	P1WW-4	7/16/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/17/2009 11:05:39 AM	7/17/2009 12:22:00 PM
				SW-846 3510C, 8270C, Semi-Volatile Organic Compounds by GC/MS	7/17/2009 11:04:49 AM	7/17/2009 1:14:00 PM
09070649-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/17/2009 11:15:00 AM
				Standard Methods 18th Ed. 2540 D		7/17/2009 10:05:00 AM
				Standard Methods 18th Ed. 5210 B	7/17/2009 2:20:00 PM	7/17/2009 2:20:00 PM
09070649-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/17/2009 9:45:00 AM	7/17/2009 1:29:06 PM
				SW-846 3020A, Metals by GFAA (Total)	7/17/2009 11:12:08 AM	7/17/2009 1:43:10 PM
				SW-846 7470A (Total)	7/17/2009 11:34:03 AM	7/17/2009
09070649-001D				SW-846 9012A		7/17/2009 2:01:11 PM
				SW-846 9012A (Total)		7/17/2009 2:01:11 PM
09070649-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/17/2009 7:55:00 AM	7/17/2009 11:43:00 AM
09070649-002A	P1WW-5			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/17/2009 11:05:39 AM	7/17/2009 12:56:00 PM
				SW-846 3510C, 8270C, Semi-Volatile Organic Compounds by GC/MS	7/17/2009 11:04:49 AM	7/17/2009 1:44:00 PM
09070649-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/17/2009 11:17:00 AM
				Standard Methods 18th Ed. 2540 D		7/17/2009 10:05:00 AM
				Standard Methods 18th Ed. 5210 B	7/17/2009 2:20:00 PM	7/17/2009 2:20:00 PM
09070649-002C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/17/2009 9:45:00 AM	7/17/2009 1:49:03 PM
				SW-846 3020A, Metals by GFAA (Total)	7/17/2009 11:12:08 AM	7/17/2009 1:46:32 PM
				SW-846 7470A (Total)	7/17/2009 11:34:03 AM	7/17/2009
09070649-002D				SW-846 9012A		7/17/2009 2:01:11 PM
				SW-846 9012A (Total)		7/17/2009 2:01:11 PM
09070649-002E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/17/2009 7:55:00 AM	7/17/2009 12:13:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R124722		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 124722		
Client ID: ZZZZZZ		Batch ID: R124722					Analysis Date: 7/17/2009			SeqNo: 2336354	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R124722		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 124722		
Client ID: ZZZZZZ		Batch ID: R124722			Analysis Date: 7/17/2009			SeqNo: 2336355				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Sample ID: 09070649-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 124722		
Client ID: P1WW-4DUP		Batch ID: R124722					Analysis Date: 7/17/2009			SeqNo: 2336357	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	142	6						139.0	2.14	15	
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 124722			
Client ID: ZZZZZZ	Batch ID: R124722				Analysis Date: 7/17/2009			SeqNo: 2336359			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 124722		
Client ID: ZZZZZZ	Batch ID: R124722					Analysis Date: 7/17/2009				SeqNo: 2337588		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Champaign 62403053

Test Number: M4500-H B

Lab Order: 09070649

Report Date: 22-Jul-09

Sample ID: LCS-R124717		SampType: LCS			Units:		Prep Date:		RunNo: 124717		
Client ID: ZZZZZZ		Batch ID: R124717			Analysis Date: 7/17/2009				SeqNo: 2336328		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 09070649-002BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 124717		
Client ID: P1WW-5DUP		Batch ID: R124717				Analysis Date: 7/17/2009			SeqNo: 2336331		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.98	1.00						7.960	0.251	10	
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Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M5210 B

Sample ID: LCS-54262	SampType: LCS	Units: mg/L				Prep Date: 7/17/2009			RunNo: 124874		
Client ID: ZZZZZZ	Batch ID: 54262	SOP 2030				Analysis Date: 7/17/2009			SeqNo: 2339917		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	172	5	198.0	0	86.9	84.6	115.4				

Sample ID: LCSQC-54262	SampType: LCSQC	Units: mg/L				Prep Date: 7/17/2009			RunNo: 124874		
Client ID: ZZZZZZ	Batch ID: 54262	SOP 2030				Analysis Date: 7/17/2009			SeqNo: 2339918		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	44	5	58.00	0	75.9	62.2	135.5				

Sample ID: 09070649-002B-DUP	SampType: DUP	Units: mg/L				Prep Date: 7/17/2009			RunNo: 124874		
Client ID: P1WW-5DUP	Batch ID: 54262	SOP 2030				Analysis Date: 7/17/2009			SeqNo: 2339926		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: MB-54231	SampType: MBLK	Units: mg/L			Prep Date: 7/16/2009			RunNo: 124726			
Client ID: ZZZZZZ	Batch ID: 54231	SOP 3034			Analysis Date: 7/17/2009			SeqNo: 2336714			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54231	SampType: LCS	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124726		
Client ID: ZZZZZZ	Batch ID: 54231	SOP 3034				Analysis Date: 7/17/2009			SeqNo: 2336716		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Chromium	0.207	0.0100	0.2000	0	103.6	85	115				
Silver	0.0490	0.0100	0.05000	0	98.0	85	115				

Sample ID: MB-54231	SampType: MBLK	Units: mg/L			Prep Date: 7/16/2009			RunNo: 124726			
Client ID: ZZZZZZ	Batch ID: 54231	SOP 3034			Analysis Date: 7/17/2009			SeqNo: 2336715			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54231		SampType: LCS		Units: mg/L		Prep Date: 7/16/2009			RunNo: 124726		
Client ID: ZZZZZZ		Batch ID: 54231		SOP 3034		Analysis Date: 7/17/2009			SeqNo: 2336717		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.0	85	115				
Barium	2.09	0.0050	2.000	0	104.6	85	115				

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: LCS-54231	SampType: LCS	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124726		
Client ID: ZZZZZZ	Batch ID: 54231	SOP 3034				Analysis Date: 7/17/2009			SeqNo: 2336717		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Chromium	0.207	0.0100	0.2000	0	103.6	85	115				
Selenium	2.10	0.0500	2.000	0	104.8	85	115				
Silver	0.0490	0.0100	0.05000	0	98.0	85	115				

Sample ID: 09070649-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/17/2009			RunNo: 124726		
Client ID: P1WW-4MS	Batch ID: 54231	SOP 3034				Analysis Date: 7/17/2009			SeqNo: 2336719		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	75	125				
Barium	2.19	0.0050	2.000	0.2545	96.9	75	125				
Cadmium	0.0490	0.0020	0.05000	0	98.0	75	125				
Chromium	0.200	0.0100	0.2000	0	99.9	75	125				
Selenium	2.07	0.0500	2.000	0	103.6	75	125				
Silver	0.0485	0.0100	0.05000	0	97.0	75	125				

Sample ID: 09070649-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/17/2009			RunNo: 124726		
Client ID: P1WW-4MSD	Batch ID: 54231	SOP 3034				Analysis Date: 7/17/2009			SeqNo: 2336720		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0250	2.000	0	101.7	75	125	2.067	1.66	20	
Barium	2.14	0.0050	2.000	0.2545	94.4	75	125	2.193	2.35	20	
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125	0.04900	0.820	20	
Chromium	0.201	0.0100	0.2000	0	100.4	75	125	0.1998	0.449	20	
Selenium	2.06	0.0500	2.000	0	103.1	75	125	2.073	0.532	20	
Silver	0.0478	0.0100	0.05000	0	95.6	75	125	0.04850	1.45	20	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7000 G

Sample ID: MB-54247		SampType: MBLK			Units: mg/L		Prep Date: 7/17/2009			RunNo: 124713		
Client ID: ZZZZZZ		Batch ID: 54247			SOP 3044		Analysis Date: 7/17/2009			SeqNo: 2336700		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-54247		SampType: LCS		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124713		
Client ID: ZZZZZZ		Batch ID: 54247		SOP 3044		Analysis Date: 7/17/2009			SeqNo: 2336701		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0137	0.0020	0.01500	0	91.2	80	120			
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Sample ID: 09070649-002CMS		SampType: MS		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124713		
Client ID: P1WW-5MS		Batch ID: 54247		SOP 3044		Analysis Date: 7/17/2009			SeqNo: 2336704		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0136	0.0020	0.01500	0	90.4	70	130			
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Sample ID: 09070649-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124713		
Client ID: P1WW-5MSD		Batch ID: 54247		SOP 3044		Analysis Date: 7/17/2009			SeqNo: 2336706		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0135	0.0020	0.01500	0	89.9	70	130	0.01356	0.536	20
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Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7470 A

Sample ID: MB-54249		SampType: MBLK		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124734		
Client ID: ZZZZZZ		Batch ID: 54249		SOP 3062		Analysis Date: 7/17/2009			SeqNo: 2336672		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-54249		SampType: LCS		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124734		
Client ID: ZZZZZZ		Batch ID: 54249		SOP 3062		Analysis Date: 7/17/2009			SeqNo: 2336685		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00539	0.00020	0.005000	0	107.8	85	115				
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Sample ID: 09070649-002CMS		SampType: MS		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124734		
Client ID: P1WW-5MS		Batch ID: 54249		SOP 3062		Analysis Date: 7/17/2009			SeqNo: 2336688		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00493	0.00020	0.005000	0	98.6	75	125				
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Sample ID: 09070649-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/17/2009			RunNo: 124734		
Client ID: P1WW-5MSD		Batch ID: 54249		SOP 3062		Analysis Date: 7/17/2009			SeqNo: 2336689		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00504	0.00020	0.005000	0	100.8	75	125	0.004930	2.21	15	
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Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: LCS-N090717-1	SampType: LCS	Units: µg/L			Prep Date: 7/17/2009			RunNo: 124744			
Client ID: ZZZZZZ	Batch ID: 54260	SW5030			Analysis Date: 7/17/2009			SeqNo: 2336817			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.3	2.0	50.00	0	98.6	82.7	117				
Ethylbenzene	48.2	5.0	50.00	0	96.4	83	113				
Toluene	47.8	5.0	50.00	0	95.7	79.6	116				
Xylenes, Total	97.5	5.0	100.0	0	97.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	48.3		50.00		96.7	74.7	129				
Surr: 4-Bromofluorobenzene	48.0		50.00		96.1	86	119				
Surr: Dibromofluoromethane	50.9		50.00		101.8	81.7	123				
Surr: Toluene-d8	48.4		50.00		96.7	84.3	114				

Sample ID: LCSD-N090717-1	SampType: LCSD	Units: µg/L			Prep Date: 7/17/2009			RunNo: 124744			
Client ID: ZZZZZZ	Batch ID: 54260	SW5030			Analysis Date: 7/17/2009			SeqNo: 2336818			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.4	2.0	50.00	0	94.8	82.7	117	49.29	3.93	20	
Ethylbenzene	46.7	5.0	50.00	0	93.3	83	113	48.22	3.29	20	
Toluene	46.8	5.0	50.00	0	93.5	79.6	116	47.84	2.28	20	
Xylenes, Total	94.2	5.0	100.0	0	94.2	80.3	120	97.46	3.37	20	
Surr: 1,2-Dichloroethane-d4	48.3		50.00		96.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.3		50.00		96.7	86	119		0	0	
Surr: Dibromofluoromethane	50.0		50.00		100.1	81.7	123		0	0	
Surr: Toluene-d8	48.1		50.00		96.2	84.3	114		0	0	

Sample ID: MBLK-N090717-1	SampType: MBLK	Units: µg/L			Prep Date: 7/17/2009			RunNo: 124744			
Client ID: ZZZZZZ	Batch ID: 54260	SW5030			Analysis Date: 7/17/2009			SeqNo: 2336819			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: MBLK-N090717-1		SampType: MBLK		Units: µg/L		Prep Date: 7/17/2009		RunNo: 124744			
Client ID: ZZZZZZ		Batch ID: 54260		SW5030		Analysis Date: 7/17/2009		SeqNo: 2336819			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	48.9		50.00		97.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.1	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.1	81.7	123				
Surr: Toluene-d8	47.4		50.00		94.8	84.3	114				

Sample ID: 09070649-002EMS		SampType: MS		Units: µg/L		Prep Date: 7/17/2009		RunNo: 124744			
Client ID: P1WW-5MS		Batch ID: 54260		SW5030		Analysis Date: 7/17/2009		SeqNo: 2336822			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56.2	2.0	54.00	0	104.1	57.8	125				
Toluene	54.9	5.0	54.00	0	101.6	75.8	123				
Ethylbenzene	53.9	5.0	54.00	0	99.7	72.8	123				
Xylenes, Total	107	5.0	108.0	0	98.9	73	127				
Surr: 1,2-Dichloroethane-d4	48.5		50.00		97.0	74.7	129				
Surr: 4-Bromofluorobenzene	50.9		50.00		101.9	86	119				
Surr: Dibromofluoromethane	50.2		50.00		100.4	81.7	123				
Surr: Toluene-d8	48.4		50.00		96.9	84.3	114				

Sample ID: 09070649-002EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/17/2009		RunNo: 124744			
Client ID: P1WW-5MSD		Batch ID: 54260		SW5030		Analysis Date: 7/17/2009		SeqNo: 2336823			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56.2	2.0	54.00	0	104.1	57.8	125	56.19	0.0178	20	
Toluene	53.9	5.0	54.00	0	99.9	75.8	123	54.87	1.71	20	
Ethylbenzene	54.0	5.0	54.00	0	100	72.8	123	53.86	0.223	20	
Xylenes, Total	107	5.0	108.0	0	98.7	73	127	106.8	0.253	20	
Surr: 1,2-Dichloroethane-d4	48.6		50.00		97.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.8		50.00		101.6	86	119		0	0	
Surr: Dibromofluoromethane	50.6		50.00		101.1	81.7	123		0	0	
Surr: Toluene-d8	48.6		50.00		97.2	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: MB-54219	SampType: MBLK	Units: mg/L	Prep Date: 7/16/2009	RunNo: 124705							
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C	Analysis Date: 7/16/2009	SeqNo: 2336187							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.010									
1,2-Dichlorobenzene	ND	0.010									
1,3-Dichlorobenzene	ND	0.010									
1,4-Dichlorobenzene	ND	0.010									
2,4,5-Trichlorophenol	ND	0.010									
2,4,6-Trichlorophenol	ND	0.010									
2,4-Dichlorophenol	ND	0.010									
2,4-Dimethylphenol	ND	0.010									
2,4-Dinitrophenol	ND	0.020									
2,4-Dinitrotoluene	ND	0.010									
2,6-Dinitrotoluene	ND	0.010									
2-Chloronaphthalene	ND	0.010									
2-Chlorophenol	ND	0.010									
2-Methoxy-4-methylphenol	ND	0.010									
2-Methylnaphthalene	ND	0.010									
2-Nitroaniline	ND	0.040									
2-Nitrophenol	ND	0.020									
3,3´-Dichlorobenzidine	ND	0.010									
3-Nitroaniline	ND	0.040									
4,6-Dinitro-2-methylphenol	ND	0.020									
4-Bromophenyl phenyl ether	ND	0.010									
4-Chloro-3-methylphenol	ND	0.020									
4-Chloroaniline	ND	0.020									
4-Chlorophenyl phenyl ether	ND	0.010									
4-Nitroaniline	ND	0.020									
4-Nitrophenol	ND	0.020									
Acenaphthene	ND	0.010									
Acenaphthylene	ND	0.010									
Aniline	ND	0.020									
Anthracene	ND	0.010									

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: MB-54219	SampType: MBLK	Units: mg/L	Prep Date: 7/16/2009	RunNo: 124705							
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C	Analysis Date: 7/16/2009	SeqNo: 2336187							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	ND	0.010									
Benzidine	ND	0.040									
Benzo(a)anthracene	ND	0.010									
Benzo(a)pyrene	ND	0.010									
Benzo(b)fluoranthene	ND	0.010									
Benzo(g,h,i)perylene	ND	0.010									
Benzo(k)fluoranthene	ND	0.010									
Benzoic acid	ND	0.050									
Benzyl alcohol	ND	0.020									
Bis(2-chloroethoxy)methane	ND	0.010									
Bis(2-chloroethyl)ether	ND	0.010									
Bis(2-chloroisopropyl)ether	ND	0.010									
Bis(2-ethylhexyl)phthalate	ND	0.006									
Butyl benzyl phthalate	ND	0.010									
Carbazole	ND	0.020									
Chrysene	ND	0.010									
Dibenzo(a,h)anthracene	ND	0.010									
Dibenzofuran	ND	0.010									
Diethyl phthalate	ND	0.010									
Dimethyl phthalate	ND	0.010									
Di-n-butyl phthalate	ND	0.010									
Di-n-octyl phthalate	ND	0.010									
Fluoranthene	ND	0.010									
Fluorene	ND	0.010									
Hexachlorobenzene	ND	0.010									
Hexachlorobutadiene	ND	0.010									
Hexachlorocyclopentadiene	ND	0.020									
Hexachloroethane	ND	0.010									
Indeno(1,2,3-cd)pyrene	ND	0.010									
Isophorone	ND	0.010									

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: MB-54219		SampType: MBLK			Units: mg/L		Prep Date: 7/16/2009			RunNo: 124705		
Client ID: ZZZZZZ		Batch ID: 54219			SW3510C		Analysis Date: 7/16/2009			SeqNo: 2336187		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

m,p-Cresol	ND	0.010									
Naphthalene	ND	0.010									
Nitrobenzene	ND	0.010									
N-Nitrosodimethylamine	ND	0.020									
N-Nitroso-di-n-propylamine	ND	0.010									
N-Nitrosodiphenylamine	ND	0.010									
o-Cresol	ND	0.010									
Pentachlorophenol	ND	0.020									
Phenanthrene	ND	0.010									
Phenol	ND	0.005									
Pyrene	ND	0.010									
Pyridine	ND	0.020									
Quinoline	ND	0.005									
Surr: 2,4,6-Tribromophenol	0.045		0.05000		90.7	46.1	133				
Surr: 2-Fluorobiphenyl	0.024		0.02500		95.0	47.3	111				
Surr: 2-Fluorophenol	0.026		0.05000		52.2	23.4	74.8				
Surr: Nitrobenzene-d5	0.020		0.02500		78.7	40.6	108				
Surr: Phenol-d5	0.018		0.05000		35.6	17.8	50.9				
Surr: p-Terphenyl-d14	0.020		0.02500		79.5	52.2	124				

Sample ID: LCS-54219		SampType: LCS			Units: mg/L		Prep Date: 7/16/2009			RunNo: 124705		
Client ID: ZZZZZZ		Batch ID: 54219			SW3510C		Analysis Date: 7/16/2009			SeqNo: 2336188		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

1,2,4-Trichlorobenzene	0.042	0.010	0.05000	0	84.9	45.1	97.4				
1,4-Dichlorobenzene	0.035	0.010	0.05000	0	69.7	43.2	86.1				
2,4,5-Trichlorophenol	0.101	0.010	0.1000	0	100.7	56.5	117				
2,4,6-Trichlorophenol	0.098	0.010	0.1000	0	98.1	52.3	113				
2,4-Dimethylphenol	0.075	0.010	0.1000	0	74.9	56.4	105				
2,4-Dinitrophenol	0.094	0.020	0.1000	0	94.0	37.4	119				

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCS-54219	SampType: LCS	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124705		
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C				Analysis Date: 7/16/2009			SeqNo: 2336188		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	0.049	0.010	0.05000	0	97.9	52.8	110				
2-Chlorophenol	0.073	0.010	0.1000	0	73.2	51.7	95.4				
4-Chloro-3-methylphenol	0.088	0.020	0.1000	0	88.1	55.4	109				
4-Nitrophenol	0.032	0.020	0.1000	0	32.0	19.4	50.5				
Acenaphthene	0.043	0.010	0.05000	0	85.6	53.4	101				
Acenaphthylene	0.061	0.010	0.05000	0	121.6	52.3	146				
Anthracene	0.045	0.010	0.05000	0	89.5	53.7	105				
Benzo(a)anthracene	0.044	0.010	0.05000	0	88.3	53.4	105				
Benzo(a)pyrene	0.048	0.010	0.05000	0	96.3	57	112				
Benzo(b)fluoranthene	0.046	0.010	0.05000	0	91.1	48	99.8				
Benzo(g,h,i)perylene	0.046	0.010	0.05000	0	91.5	50	113				
Benzo(k)fluoranthene	0.042	0.010	0.05000	0	84.8	51.5	125				
Bis(2-ethylhexyl)phthalate	0.046	0.006	0.05000	0	92.5	52.9	115				
Chrysene	0.051	0.010	0.05000	0	101.3	50.5	115				
Dibenzo(a,h)anthracene	0.047	0.010	0.05000	0	94.8	53.6	112				
Diethyl phthalate	0.080	0.010	0.1000	0	79.8	54.4	111				
Dimethyl phthalate	0.082	0.010	0.1000	0	82.1	56.5	107				
Di-n-butyl phthalate	0.045	0.010	0.05000	0	89.4	52.7	113				
Fluoranthene	0.043	0.010	0.05000	0	85.7	55.3	108				
Fluorene	0.050	0.010	0.05000	0	99.1	52.5	106				
Hexachlorobenzene	0.086	0.010	0.1000	0	86.2	55.6	113				
Hexachlorobutadiene	0.079	0.010	0.1000	0	79.0	42.3	98.5				
Hexachloroethane	0.064	0.010	0.1000	0	63.6	37.4	90.8				
Indeno(1,2,3-cd)pyrene	0.046	0.010	0.05000	0	92.9	50.9	112				
m,p-Cresol	0.036	0.010	0.05000	0	71.4	44	85.1				
Naphthalene	0.041	0.010	0.05000	0	81.1	48.8	94.7				
Nitrobenzene	0.079	0.010	0.1000	0	79.4	48.1	102				
N-Nitroso-di-n-propylamine	0.039	0.010	0.05000	0	78.3	53.2	110				
o-Cresol	0.041	0.010	0.05000	0	82.5	46.7	91.9				
Pentachlorophenol	0.079	0.020	0.1000	0	78.8	43.4	111				

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCS-54219	SampType: LCS	Units: mg/L			Prep Date: 7/16/2009			RunNo: 124705			
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C			Analysis Date: 7/16/2009			SeqNo: 2336188			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0.045	0.010	0.05000	0	91.0	52.6	108				
Phenol	0.035	0.005	0.1000	0	35.2	21.9	42.6				
Pyrene	0.045	0.010	0.05000	0	89.0	54.3	107				
Pyridine	0.029	0.020	0.1000	0	28.5	20.2	61.5				
Quinoline	0.046	0.005	0.05000	0	92.2	58.5	111				
Surr: 2,4,6-Tribromophenol	0.050		0.05000		100.7	46.1	133				
Surr: 2-Fluorobiphenyl	0.023		0.02500		90.1	47.3	111				
Surr: 2-Fluorophenol	0.027		0.05000		53.3	23.4	74.8				
Surr: Nitrobenzene-d5	0.018		0.02500		72.6	40.6	108				
Surr: Phenol-d5	0.018		0.05000		36.9	17.8	50.9				
Surr: p-Terphenyl-d14	0.020		0.02500		78.9	52.2	124				

Sample ID: LCSD-54219	SampType: LCSD	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124705		
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C				Analysis Date: 7/16/2009			SeqNo: 2336189		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.043	0.010	0.05000	0	86.9	45.1	97.4	0.04247	2.25	40	
1,4-Dichlorobenzene	0.035	0.010	0.05000	0	70.0	43.2	86.1	0.03486	0.446	40	
2,4,5-Trichlorophenol	0.101	0.010	0.1000	0	100.9	56.5	117	0.1007	0.250	40	
2,4,6-Trichlorophenol	0.095	0.010	0.1000	0	95.1	52.3	113	0.09806	3.04	40	
2,4-Dimethylphenol	0.081	0.010	0.1000	0	80.7	56.4	105	0.07494	7.36	40	
2,4-Dinitrophenol	0.104	0.020	0.1000	0	103.8	37.4	119	0.09405	9.87	40	
2,4-Dinitrotoluene	0.049	0.010	0.05000	0	98.4	52.8	110	0.04894	0.562	40	
2-Chlorophenol	0.076	0.010	0.1000	0	76.3	51.7	95.4	0.07325	4.07	60.5	
4-Chloro-3-methylphenol	0.088	0.020	0.1000	0	88.5	55.4	109	0.08815	0.352	40	
4-Nitrophenol	0.035	0.020	0.1000	0	35.1	19.4	50.5	0.03198	9.34	40	
Acenaphthene	0.048	0.010	0.05000	0	95.5	53.4	101	0.04280	10.9	40	
Acenaphthylene	0.064	0.010	0.05000	0	128.5	52.3	146	0.06078	5.52	40	
Anthracene	0.045	0.010	0.05000	0	90.7	53.7	105	0.04477	1.25	40	
Benzo(a)anthracene	0.046	0.010	0.05000	0	92.4	53.4	105	0.04416	4.56	40	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCSD-54219	SampType: LCSD	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124705		
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C				Analysis Date: 7/16/2009			SeqNo: 2336189		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.046	0.010	0.05000	0	92.1	57	112	0.04815	4.52	40	
Benzo(b)fluoranthene	0.039	0.010	0.05000	0	78.5	48	99.8	0.04554	14.8	40	
Benzo(g,h,i)perylene	0.045	0.010	0.05000	0	89.3	50	113	0.04576	2.45	40	
Benzo(k)fluoranthene	0.045	0.010	0.05000	0	89.2	51.5	125	0.04240	5.09	40	
Bis(2-ethylhexyl)phthalate	0.045	0.006	0.05000	0	90.3	52.9	115	0.04627	2.41	40	
Chrysene	0.052	0.010	0.05000	0	104.8	50.5	115	0.05063	3.46	40	
Dibenzo(a,h)anthracene	0.047	0.010	0.05000	0	94.3	53.6	112	0.04741	0.575	40	
Diethyl phthalate	0.089	0.010	0.1000	0	88.7	54.4	111	0.07976	10.6	40	
Dimethyl phthalate	0.091	0.010	0.1000	0	91.0	56.5	107	0.08208	10.3	40	
Di-n-butyl phthalate	0.040	0.010	0.05000	0	80.7	52.7	113	0.04470	10.3	40	
Fluoranthene	0.044	0.010	0.05000	0	88.7	55.3	108	0.04285	3.50	40	
Fluorene	0.049	0.010	0.05000	0	99.0	52.5	106	0.04955	0.119	40	
Hexachlorobenzene	0.089	0.010	0.1000	0	88.8	55.6	113	0.08621	3.00	40	
Hexachlorobutadiene	0.076	0.010	0.1000	0	76.1	42.3	98.5	0.07902	3.71	40	
Hexachloroethane	0.062	0.010	0.1000	0	62.5	37.4	90.8	0.06358	1.72	40	
Indeno(1,2,3-cd)pyrene	0.046	0.010	0.05000	0	92.1	50.9	112	0.04643	0.867	40	
m,p-Cresol	0.036	0.010	0.05000	0	72.2	44	85.1	0.03572	1.09	40	
Naphthalene	0.039	0.010	0.05000	0	77.3	48.8	94.7	0.04055	4.82	40	
Nitrobenzene	0.073	0.010	0.1000	0	73.4	48.1	102	0.07942	7.81	40	
N-Nitroso-di-n-propylamine	0.038	0.010	0.05000	0	75.2	53.2	110	0.03915	4.09	40	
o-Cresol	0.042	0.010	0.05000	0	83.4	46.7	91.9	0.04124	1.07	40	
Pentachlorophenol	0.084	0.020	0.1000	0	83.6	43.4	111	0.07879	5.87	40	
Phenanthrene	0.045	0.010	0.05000	0	90.3	52.6	108	0.04548	0.719	40	
Phenol	0.034	0.005	0.1000	0	34.1	21.9	42.6	0.03521	3.29	48.9	
Pyrene	0.042	0.010	0.05000	0	84.0	54.3	107	0.04451	5.81	40	
Pyridine	0.039	0.020	0.1000	0	39.1	20.2	61.5	0.02853	31.2	40	
Quinoline	0.044	0.005	0.05000	0	88.7	58.5	111	0.04609	3.91	40	
Surr: 2,4,6-Tribromophenol	0.051		0.05000		102.6	46.1	133		0	0	
Surr: 2-Fluorobiphenyl	0.023		0.02500		90.5	47.3	111		0	0	
Surr: 2-Fluorophenol	0.026		0.05000		51.2	23.4	74.8		0	0	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCSD-54219	SampType: LCSD	Units: mg/L			Prep Date: 7/16/2009			RunNo: 124705			
Client ID: ZZZZZZ	Batch ID: 54219	SW3510C			Analysis Date: 7/16/2009			SeqNo: 2336189			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.018		0.02500		73.6	40.6	108		0	0	
Surr: Phenol-d5	0.017		0.05000		34.4	17.8	50.9		0	0	
Surr: p-Terphenyl-d14	0.020		0.02500		78.6	52.2	124		0	0	

Sample ID: MB-54229	SampType: MBLK	Units: mg/L	Prep Date: 7/16/2009	RunNo: 124716							
Client ID: ZZZZZZ	Batch ID: 54229	SW3510C	Analysis Date: 7/17/2009	SeqNo: 2336316							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: MB-54229	SampType: MBLK	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124716		
Client ID: ZZZZZZ	Batch ID: 54229	SW3510C				Analysis Date: 7/17/2009			SeqNo: 2336316		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00212		0.005000		42.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00406		0.01000		40.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00282		0.005000		56.4	39.9	106				
Surr: Phenol-d5	0.00233		0.01000		23.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00277		0.005000		55.4	53	116				

Sample ID: LCS-54229	SampType: LCS	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124716		
Client ID: ZZZZZZ	Batch ID: 54229	SW3510C				Analysis Date: 7/17/2009			SeqNo: 2336337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00298	0.00010	0.005000	0	59.5	50.1	103				
Acenaphthylene	0.00339	0.00010	0.005000	0	67.8	53.3	122				
Anthracene	0.00376	0.00010	0.005000	0	75.1	57.4	110				
Benzo(a)anthracene	0.00363	0.00010	0.005000	0	72.5	56	102				
Benzo(a)pyrene	0.00399	0.00010	0.005000	0	79.8	55.4	125				
Benzo(b)fluoranthene	0.00398	0.00010	0.005000	0	79.6	59.3	127				
Benzo(g,h,i)perylene	0.00393	0.00010	0.005000	0	78.7	58.4	125				
Benzo(k)fluoranthene	0.00414	0.00010	0.005000	0	82.9	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00419	0.00200	0.005000	0	83.7	63.2	152				
Chrysene	0.00435	0.00010	0.005000	0	86.9	58.7	118				
Dibenzo(a,h)anthracene	0.00390	0.00010	0.005000	0	78.1	59.3	126				
Diethyl phthalate	0.00410	0.00100	0.005000	0	82.0	55.3	133				
Dimethyl phthalate	0.00376	0.00100	0.005000	0	75.2	55.7	112				
Di-n-butyl phthalate	0.00398	0.00100	0.005000	0	79.6	61.5	130				
Fluoranthene	0.00385	0.00010	0.005000	0	76.9	60.1	117				
Fluorene	0.00358	0.00010	0.005000	0	71.5	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00399	0.00010	0.005000	0	79.7	58.1	123				
m,p-Cresol	0.00261	0.00010	0.005000	0	52.1	17.9	107				
Naphthalene	0.00228	0.00010	0.005000	0	45.6	36.3	97.1				

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCS-54229	SampType: LCS	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124716		
Client ID: ZZZZZZ	Batch ID: 54229	SW3510C				Analysis Date: 7/17/2009			SeqNo: 2336337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Cresol	0.00335	0.00010	0.005000	0	66.9	20.5	109				
Phenanthrene	0.00384	0.00010	0.005000	0	76.7	55.9	107				
Pyrene	0.00370	0.00010	0.005000	0	73.9	61.4	116				
Surr: 2-Fluorobiphenyl	0.00269		0.005000		53.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00450		0.01000		45.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00338		0.005000		67.6	39.9	106				
Surr: Phenol-d5	0.00278		0.01000		27.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00353		0.005000		70.6	53	116				

Sample ID: LCSD-54229	SampType: LCSD	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124716		
Client ID: ZZZZZZ	Batch ID: 54229	SW3510C				Analysis Date: 7/17/2009			SeqNo: 2336586		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00317	0.00010	0.005000	0	63.3	50.1	103	0.002977	6.15	50	
Acenaphthylene	0.00364	0.00010	0.005000	0	72.8	53.3	122	0.003389	7.17	50	
Anthracene	0.00425	0.00010	0.005000	0	84.9	57.4	110	0.003757	12.2	50	
Benzo(a)anthracene	0.00396	0.00010	0.005000	0	79.2	56	102	0.003626	8.86	50	
Benzo(a)pyrene	0.00436	0.00010	0.005000	0	87.3	55.4	125	0.003991	8.95	50	
Benzo(b)fluoranthene	0.00427	0.00010	0.005000	0	85.5	59.3	127	0.003979	7.15	50	
Benzo(g,h,i)perylene	0.00428	0.00010	0.005000	0	85.6	58.4	125	0.003933	8.43	50	
Benzo(k)fluoranthene	0.00459	0.00010	0.005000	0	91.9	61.5	125	0.004143	10.3	50	
Bis(2-ethylhexyl)phthalate	0.00494	0.00200	0.005000	0	98.8	63.2	152	0.004185	16.5	50	
Chrysene	0.00470	0.00010	0.005000	0	94.1	58.7	118	0.004346	7.93	50	
Dibenzo(a,h)anthracene	0.00429	0.00010	0.005000	0	85.7	59.3	126	0.003903	9.38	50	
Diethyl phthalate	0.00429	0.00100	0.005000	0	85.7	55.3	133	0.004100	4.41	0	
Dimethyl phthalate	0.00414	0.00100	0.005000	0	82.7	55.7	112	0.003758	9.58	0	
Di-n-butyl phthalate	0.00459	0.00100	0.005000	0	91.8	61.5	130	0.003980	14.3	50	
Fluoranthene	0.00431	0.00010	0.005000	0	86.1	60.1	117	0.003847	11.3	50	
Fluorene	0.00390	0.00010	0.005000	0	77.9	54.1	110	0.003575	8.59	50	
Indeno(1,2,3-cd)pyrene	0.00432	0.00010	0.005000	0	86.4	58.1	123	0.003986	8.04	50	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCSD-54229	SampType: LCSD	Units: mg/L				Prep Date: 7/16/2009			RunNo: 124716		
Client ID: ZZZZZZ	Batch ID: 54229	SW3510C				Analysis Date: 7/17/2009			SeqNo: 2336586		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Cresol	0.00319	0.00010	0.005000	0	63.8	17.9	107	0.002606	20.1	50	
Naphthalene	0.00232	0.00010	0.005000	0	46.4	36.3	97.1	0.002278	1.91	50	
o-Cresol	0.00366	0.00010	0.005000	0	73.3	20.5	109	0.003347	9.04	50	
Phenanthrene	0.00426	0.00010	0.005000	0	85.2	55.9	107	0.003835	10.5	50	
Pyrene	0.00433	0.00010	0.005000	0	86.6	61.4	116	0.003697	15.7	50	
Surr: 2-Fluorobiphenyl	0.00288		0.005000		57.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00527		0.01000		52.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00380		0.005000		76.0	39.9	106		0	50	
Surr: Phenol-d5	0.00345		0.01000		34.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00371		0.005000		74.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: MB-R124757		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 124757		
Client ID: ZZZZZZ		Batch ID: R124757			Analysis Date: 7/17/2009			SeqNo: 2337116				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R124757		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 124757		
Client ID: ZZZZZZ		Batch ID: R124757			Analysis Date: 7/17/2009			SeqNo: 2337117				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.105	0.007	0.1000	0	105.0	85	115				
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Sample ID: 09070649-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 124757		
Client ID: P1WW-4MS		Batch ID: R124757			Analysis Date: 7/17/2009			SeqNo: 2337119				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.259	0.007	0.05000	0.2105	96.2	75	125				E
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Sample ID: 09070649-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 124757		
Client ID: P1WW-4MSD		Batch ID: R124757		Analysis Date: 7/17/2009						SeqNo: 2337120	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.251	0.007	0.05000	0.2105	81.2	75	125	0.2586	2.96	15	E
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Sample ID: MB-R124757		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 124757		
Client ID: ZZZZZZ		Batch ID: R124757			Analysis Date: 7/17/2009			SeqNo: 2337171				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: LCS-R124757		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 124757		
Client ID: ZZZZZZ		Batch ID: R124757					Analysis Date: 7/17/2009		SeqNo: 2337172		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.103	0.007	0.1000	0	102.8	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Champaign 62403053

Lab Order: 09070649

Report Date: 22-Jul-09

RECEIVING CHECK LIST

Carrier: Terry Hattan

Received By: MLD

Completed by:

On:

17-Jul-09

Erin Clarke

Reviewed by:

On:

17-Jul-09

Shelly A. Hennessy

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 7.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

pg. _____ of _____ Work Order # 091078649

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Ameren / PSC
Address: 210 West Sand Bank Road
City / State / Zip: Columbia IL 62234
Contact: Pete Sarawa Phone: 618 281 7173
E-Mail: _____ Fax: _____

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 7, 2 °C
 Preserved in: ☐ Lab ☒ Field FOR LAB USE ONLY
 Lab Notes: 20C 7/17/09
 Comments: we adapt to okay. ec 9/17/09

1 DAY
 Teklab, Inc.
 Courier Pick Up

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☒ No
- Are these samples known to be hazardous? ☐ Yes ☒ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☒ No

[illegible]

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW - LAB PINK - SAMPLER'S COPY

July 29, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09070885

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 7/23/2009 5:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070885

Report Date: 29-Jul-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09070885-001	P1-WW6	4	7/23/2009 10:20:00 AM
09070885-002	P1-WW7	4	7/23/2009 10:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09070885

Report Date: 29-Jul-09

Cooler Receipt Temp: 6.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09070885

Lab ID: 09070885-001

Report Date: 29-Jul-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW6

Collection Date: 7/23/2009 10:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.82		1	7/24/2009 11:21:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		446	mg/L	1	7/24/2009 11:15:00 AM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		18	mg/L	1	7/24/2009 3:00:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/24/2009 9:22:43 AM	LAL
Barium	NELAP	0.0050		0.174	mg/L	1	7/24/2009 9:22:43 AM	LAL
Cadmium	NELAP	0.0020	J	0.0006	mg/L	1	7/24/2009 9:22:43 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/24/2009 9:22:43 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/24/2009 9:22:43 AM	LAL
Silver	NELAP	0.0100	J	0.0057	mg/L	1	7/24/2009 9:22:43 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	7/24/2009 10:01:32 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Acenaphthylene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Anthracene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00250	J	0.0019	mg/L	1	7/24/2009 11:19:00 AM	MAV
Chrysene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Diethyl phthalate	NELAP	0.00125		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Dimethyl phthalate	NELAP	0.00125		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00125		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Fluoranthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Fluorene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
m,p-Cresol	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Naphthalene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
o-Cresol	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Phenanthrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Pyrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV
Total PNAs except Naphthalene		0.00016		ND	mg/L	1	7/24/2009 11:19:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09070885

Lab ID: 09070885-001

Report Date: 29-Jul-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW6

Collection Date: 7/23/2009 10:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		64.9	%REC	1	7/24/2009 11:19:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		44.0	%REC	1	7/24/2009 11:19:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		72.3	%REC	1	7/24/2009 11:19:00 AM	MAV
Surr: Phenol-d5		11-42.8		28.3	%REC	1	7/24/2009 11:19:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		82.8	%REC	1	7/24/2009 11:19:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/23/2009 9:05:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/23/2009 9:05:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/23/2009 9:05:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/23/2009 9:05:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		101.8	%REC	1	7/23/2009 9:05:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		99.2	%REC	1	7/23/2009 9:05:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		96.9	%REC	1	7/23/2009 9:05:00 PM	CCF
Surr: Toluene-d8		84.3-114		99.9	%REC	1	7/23/2009 9:05:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/23/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		< 0.100	ml/L	10	7/24/2009	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.070		0.671	mg/L	10	7/24/2009	RCE

Sample Narrative

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit because insufficient sample was provided.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09070885

Lab ID: 09070885-002

Report Date: 29-Jul-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW7

Collection Date: 7/23/2009 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.95		1	7/24/2009 11:23:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		95	mg/L	1	7/24/2009 11:15:00 AM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	7/24/2009 3:00:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/24/2009 9:42:42 AM	LAL
Barium	NELAP	0.0050		0.198	mg/L	1	7/24/2009 9:42:42 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/24/2009 9:42:42 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/24/2009 9:42:42 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/24/2009 9:42:42 AM	LAL
Silver	NELAP	0.0100	J	0.0053	mg/L	1	7/24/2009 9:42:42 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0009	mg/L	1	7/24/2009 10:04:54 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Acenaphthylene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Anthracene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00250		0.00574	mg/L	1	7/24/2009 11:53:00 AM	MAV
Chrysene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Diethyl phthalate	NELAP	0.00125		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Dimethyl phthalate	NELAP	0.00125		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00125		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Fluoranthene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Fluorene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
m,p-Cresol	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Naphthalene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
o-Cresol	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Phenanthrene	NELAP	0.00012		ND	mg/L	1	7/24/2009 11:53:00 AM	MAV
Pyrene	NELAP	0.00012		0.00013	mg/L	1	7/24/2009 11:53:00 AM	MAV
Total PNAs except Naphthalene		0.00016	J	0.00013	mg/L	1	7/24/2009 11:53:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09070885

Lab ID: 09070885-002

Report Date: 29-Jul-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW7

Collection Date: 7/23/2009 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		56.9	%REC	1	7/24/2009 11:53:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		39.8	%REC	1	7/24/2009 11:53:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		61.1	%REC	1	7/24/2009 11:53:00 AM	MAV
Surr: Phenol-d5		11-42.8		23.4	%REC	1	7/24/2009 11:53:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		66.7	%REC	1	7/24/2009 11:53:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/23/2009 9:36:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/23/2009 9:36:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/23/2009 9:36:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/23/2009 9:36:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		103.9	%REC	1	7/23/2009 9:36:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		98.4	%REC	1	7/23/2009 9:36:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		95.3	%REC	1	7/23/2009 9:36:00 PM	CCF
Surr: Toluene-d8		84.3-114		101.4	%REC	1	7/23/2009 9:36:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/23/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		Interference	ml/L	10	7/24/2009	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.070		0.728	mg/L	10	7/24/2009	RCE

Sample Narrative

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit because insufficient sample was provided.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09070885-001A	P1-WW6	7/23/2009	Aqueous	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/24/2009 11:21:00 AM
				Standard Methods 18th Ed. 2540 D		7/24/2009 11:15:00 AM
				Standard Methods 18th Ed. 5210 B	7/24/2009 3:00:00 PM	7/24/2009 3:00:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/24/2009 10:19:05 AM	7/24/2009 11:19:00 AM
09070885-001B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/23/2009 6:00:00 PM	7/24/2009 9:22:43 AM
				SW-846 3020A, Metals by GFAA (Total)	7/23/2009 6:00:00 PM	7/24/2009 10:01:32 AM
				SW-846 7470A (Total)	7/23/2009 6:00:00 PM	7/23/2009
09070885-001C				SW-846 9012A		7/24/2009
				SW-846 9012A (Total)		7/24/2009
09070885-001D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/23/2009 5:45:00 PM	7/23/2009 9:05:00 PM
09070885-002A	P1-WW7			Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/24/2009 11:23:00 AM
				Standard Methods 18th Ed. 2540 D		7/24/2009 11:15:00 AM
				Standard Methods 18th Ed. 5210 B	7/24/2009 3:00:00 PM	7/24/2009 3:00:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/24/2009 10:19:05 AM	7/24/2009 11:53:00 AM
09070885-002B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/23/2009 6:00:00 PM	7/24/2009 9:42:42 AM
				SW-846 3020A, Metals by GFAA (Total)	7/23/2009 6:00:00 PM	7/24/2009 10:04:54 AM
				SW-846 7470A (Total)	7/23/2009 6:00:00 PM	7/23/2009
09070885-002C				SW-846 9012A		7/24/2009
				SW-846 9012A (Total)		7/24/2009
09070885-002D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/23/2009 5:45:00 PM	7/23/2009 9:36:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070885

Report Date: 29-Jul-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R124990		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 124990		
Client ID: ZZZZZZ		Batch ID: R124990					Analysis Date: 7/24/2009			SeqNo: 2342691	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R124990		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 124990		
Client ID: ZZZZZZ		Batch ID: R124990			Analysis Date: 7/24/2009			SeqNo: 2342692				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 124990		
Client ID: ZZZZZZ		Batch ID: R124990			Analysis Date: 7/24/2009			SeqNo: 2342710				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 124990		
Client ID: ZZZZZZ		Batch ID: R124990			Analysis Date: 7/24/2009			SeqNo: 2343166				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	104	6	100.0	0	104.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: LCS-R124977	SampType: LCS	Units:	Prep Date:	RunNo: 124977							
Client ID: ZZZZZZ	Batch ID: R124977		Analysis Date: 7/24/2009	SeqNo: 2342408							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 09070885-002ADUP		SampType: DUP		Units:		Prep Date:			RunNo: 124977		
Client ID: P1-WW7DUP		Batch ID: R124977				Analysis Date: 7/24/2009			SeqNo: 2342411		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.96	1.00						7.950	0.126	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: LCS-54403	SampType: LCS	Units: mg/L			Prep Date: 7/24/2009			RunNo: 125130			
Client ID: ZZZZZZ	Batch ID: 54403	SOP 2030			Analysis Date: 7/24/2009			SeqNo: 2345417			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	209	5	198.0	0	105.6	84.6	115.4				
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Sample ID: LCSQC-54403	SampType: LCSQC	Units: mg/L			Prep Date: 7/24/2009			RunNo: 125130			
Client ID: ZZZZZZ	Batch ID: 54403	SOP 2030			Analysis Date: 7/24/2009			SeqNo: 2345418			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	69	5	58.00	0	119.0	62.2	135.5				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: MB-54344	SampType: MBLK	Units: mg/L			Prep Date: 7/23/2009			RunNo: 124963			
Client ID: ZZZZZZ	Batch ID: 54344	SOP 3034			Analysis Date: 7/24/2009			SeqNo: 2342165			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54344	SampType: LCS	Units: mg/L				Prep Date: 7/23/2009			RunNo: 124963		
Client ID: ZZZZZZ	Batch ID: 54344	SOP 3034				Analysis Date: 7/24/2009			SeqNo: 2342167		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Chromium	0.207	0.0100	0.2000	0	103.6	85	115				
Silver	0.0490	0.0100	0.05000	0	98.0	85	115				

Sample ID: MB-54344	SampType: MBLK	Units: mg/L			Prep Date: 7/23/2009			RunNo: 124963			
Client ID: ZZZZZZ	Batch ID: 54344	SOP 3034			Analysis Date: 7/24/2009			SeqNo: 2342166			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54344		SampType: LCS			Units: mg/L		Prep Date: 7/23/2009			RunNo: 124963		
Client ID: ZZZZZZ		Batch ID: 54344			SOP 3034		Analysis Date: 7/24/2009			SeqNo: 2342168		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	2.09	0.0250	2.000	0	104.6	85	115					
Barium	2.09	0.0050	2.000	0	104.6	85	115					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: LCS-54344	SampType: LCS	Units: mg/L				Prep Date: 7/23/2009			RunNo: 124963		
Client ID: ZZZZZZ	Batch ID: 54344	SOP 3034				Analysis Date: 7/24/2009			SeqNo: 2342168		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Chromium	0.207	0.0100	0.2000	0	103.6	85	115				
Selenium	2.15	0.0500	2.000	0	107.6	85	115				
Silver	0.0490	0.0100	0.05000	0	98.0	85	115				

Sample ID: 09070885-001BMS	SampType: MS	Units: mg/L				Prep Date: 7/23/2009			RunNo: 124963		
Client ID: P1-WW6MS	Batch ID: 54344	SOP 3034				Analysis Date: 7/24/2009			SeqNo: 2342170		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	106.9	75	125				
Barium	2.19	0.0050	2.000	0.1740	100.6	75	125				
Cadmium	0.0504	0.0020	0.05000	0.0006000	99.6	75	125				
Chromium	0.208	0.0100	0.2000	0	104.1	75	125				
Selenium	2.20	0.0500	2.000	0	110.0	75	125				
Silver	0.0536	0.0100	0.05000	0.005700	95.8	75	125				

Sample ID: 09070885-001BMSD	SampType: MSD	Units: mg/L				Prep Date: 7/23/2009			RunNo: 124963		
Client ID: P1-WW6MSD	Batch ID: 54344	SOP 3034				Analysis Date: 7/24/2009			SeqNo: 2342171		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	107.0	75	125	2.138	0.140	20	
Barium	2.18	0.0050	2.000	0.1740	100.3	75	125	2.186	0.275	20	
Cadmium	0.0506	0.0020	0.05000	0.0006000	100	75	125	0.05040	0.396	20	
Chromium	0.205	0.0100	0.2000	0	102.3	75	125	0.2082	1.74	20	
Selenium	2.20	0.0500	2.000	0	109.9	75	125	2.199	0.0455	20	
Silver	0.0534	0.0100	0.05000	0.005700	95.4	75	125	0.05360	0.374	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: MB-54348		SampType: MBLK		Units: mg/L		Prep Date: 7/23/2009			RunNo: 124974			
Client ID: ZZZZZZ		Batch ID: 54348		SOP 3044		Analysis Date: 7/24/2009			SeqNo: 2342350			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0005	0.0020	0.002000	0	22.7	-100	100				J

Sample ID: LCS-54348		SampType: LCS		Units: mg/L		Prep Date: 7/23/2009			RunNo: 124974			
Client ID: ZZZZZZ		Batch ID: 54348		SOP 3044		Analysis Date: 7/24/2009			SeqNo: 2342353			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0170	0.0020	0.01500	0	113.3	80	120				

Sample ID: 09070885-002BMSD		SampType: MSD		Units: mg/L		Prep Date: 7/23/2009			RunNo: 124974			
Client ID: P1-WW7MSD		Batch ID: 54348		SOP 3044		Analysis Date: 7/24/2009			SeqNo: 2342370			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0171	0.0020	0.01500	0.0008576	108.0	70	130	0.01744	2.21	20	

Sample ID: 09070885-002BMS		SampType: MS		Units: mg/L		Prep Date: 7/23/2009			RunNo: 124974			
Client ID: P1-WW7MS		Batch ID: 54348		SOP 3044		Analysis Date: 7/24/2009			SeqNo: 2342371			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0174	0.0020	0.01500	0.0008576	110.5	70	130				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: 09070885-002BMS		SampType: MS		Units: mg/L		Prep Date: 7/23/2009			RunNo: 124951		
Client ID: P1-WW7MS		Batch ID: 54363		SOP 3062		Analysis Date: 7/23/2009			SeqNo: 2342223		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00491	0.00020	0.005000	0	98.2	75	125				
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Sample ID: 09070885-002BMSD		SampType: MSD		Units: mg/L		Prep Date: 7/23/2009			RunNo: 124951		
Client ID: P1-WW7MSD		Batch ID: 54363		SOP 3062		Analysis Date: 7/23/2009			SeqNo: 2342224		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00456	0.00020	0.005000	0	91.2	75	125	0.004910	7.39	15	
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Sample ID: MB-54363	SampType: MBLK	Units: mg/L			Prep Date: 7/23/2009			RunNo: 124951			
Client ID: ZZZZZZ	Batch ID: 54363	SOP 3062			Analysis Date: 7/23/2009			SeqNo: 2342225			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-54363		SampType: LCS			Units: mg/L		Prep Date: 7/23/2009			RunNo: 124971		
Client ID: ZZZZZZ		Batch ID: 54363			SOP 3062		Analysis Date: 7/24/2009			SeqNo: 2342232		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00530	0.00020	0.005000	0	106.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: LCS-T090723-1	SampType: LCS	Units: µg/L				Prep Date: 7/23/2009			RunNo: 124976		
Client ID: ZZZZZZ	Batch ID: 54373	SW5030				Analysis Date: 7/23/2009			SeqNo: 2342415		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.4	2.0	50.00	0	88.7	82.7	117				
Toluene	44.0	5.0	50.00	0	88.1	79.6	116				
Ethylbenzene	43.6	5.0	50.00	0	87.2	83	113				
Xylenes, Total	87.4	5.0	100.0	0	87.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.0		50.00		100.1	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.9	86	119				
Surr: Dibromofluoromethane	50.0		50.00		99.9	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.5	84.3	114				

Sample ID: LCSD-T090723-1	SampType: LCSD	Units: µg/L				Prep Date: 7/23/2009			RunNo: 124976		
Client ID: ZZZZZZ	Batch ID: 54373	SW5030				Analysis Date: 7/23/2009			SeqNo: 2342416		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.4	2.0	50.00	0	92.8	82.7	117	44.37	4.52	20	
Toluene	46.0	5.0	50.00	0	92.1	79.6	116	44.04	4.42	20	
Ethylbenzene	44.8	5.0	50.00	0	89.6	83	113	43.62	2.67	20	
Xylenes, Total	90.3	5.0	100.0	0	90.3	80.3	120	87.44	3.24	0	
Surr: 1,2-Dichloroethane-d4	50.4		50.00		100.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.3		50.00		98.5	86	119		0	0	
Surr: Dibromofluoromethane	50.2		50.00		100.4	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.2	84.3	114		0	0	

Sample ID: MBLK-T090723-1	SampType: MBLK	Units: µg/L				Prep Date: 7/23/2009			RunNo: 124976		
Client ID: ZZZZZZ	Batch ID: 54373	SW5030				Analysis Date: 7/23/2009			SeqNo: 2342417		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: MBLK-T090723-1		SampType: MBLK		Units: µg/L		Prep Date: 7/23/2009			RunNo: 124976		
Client ID: ZZZZZZ		Batch ID: 54373		SW5030		Analysis Date: 7/23/2009			SeqNo: 2342417		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	49.4		50.00		98.8	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119				
Surr: Dibromofluoromethane	49.7		50.00		99.4	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.1	84.3	114				

Sample ID: 09070885-002DMS		SampType: MS		Units: µg/L		Prep Date: 7/23/2009		RunNo: 124976			
Client ID: P1-WW7MS		Batch ID: 54373		SW5030		Analysis Date: 7/23/2009		SeqNo: 2342426			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	48.4	2.0	54.00	0	89.7	57.8	125				
Toluene	59.1	5.0	54.00	0	109.4	75.8	123				
Ethylbenzene	62.0	5.0	54.00	0	114.8	72.8	123				
Xylenes, Total	123	5.0	108.0	0	114.3	73	127				
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.1		50.00		98.1	86	119				
Surr: Dibromofluoromethane	49.0		50.00		98.1	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.7	84.3	114				

Sample ID: 09070885-002DMSD		SampType: MSD		Units: µg/L		Prep Date: 7/23/2009			RunNo: 124976		
Client ID: P1-WW7MSD		Batch ID: 54373		SW5030		Analysis Date: 7/23/2009			SeqNo: 2342427		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	48.0	2.0	54.00	0	88.9	57.8	125	48.42	0.913	20	
Toluene	60.1	5.0	54.00	0	111.3	75.8	123	59.06	1.73	20	
Ethylbenzene	62.7	5.0	54.00	0	116.2	72.8	123	61.99	1.20	20	
Xylenes, Total	124	5.0	108.0	0	114.8	73	127	123.4	0.453	20	
Surr: 1,2-Dichloroethane-d4	51.5		50.00		102.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.6		50.00		99.1	86	119		0	0	
Surr: Dibromofluoromethane	48.8		50.00		97.5	81.7	123		0	0	
Surr: Toluene-d8	50.5		50.00		100.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: MB-54349	SampType: MBLK	Units: mg/L	Prep Date: 7/23/2009	RunNo: 124930							
Client ID: ZZZZZZ	Batch ID: 54349	SW3510C	Analysis Date: 7/23/2009	SeqNo: 2341919							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00243		0.005000		48.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00371		0.01000		37.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00257		0.005000		51.4	39.9	106				
Surr: Phenol-d5	0.00262		0.01000		26.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00327		0.005000		65.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: LCS-54349	SampType: LCS	Units: mg/L			Prep Date: 7/23/2009			RunNo: 124930			
Client ID: ZZZZZZ	Batch ID: 54349	SW3510C			Analysis Date: 7/23/2009			SeqNo: 2341920			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00427	0.00010	0.005000	0	85.4	50.1	103				
Acenaphthylene	0.00466	0.00010	0.005000	0	93.1	53.3	122				
Anthracene	0.00458	0.00010	0.005000	0	91.7	57.4	110				
Benzo(a)anthracene	0.00450	0.00010	0.005000	0	90.1	56	102				
Benzo(a)pyrene	0.00521	0.00010	0.005000	0	104.1	55.4	125				
Benzo(b)fluoranthene	0.00501	0.00010	0.005000	0	100.2	59.3	127				
Benzo(g,h,i)perylene	0.00472	0.00010	0.005000	0	94.4	58.4	125				
Benzo(k)fluoranthene	0.00544	0.00010	0.005000	0	108.8	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00577	0.00200	0.005000	0	115.5	63.2	152				
Chrysene	0.00485	0.00010	0.005000	0	97.0	58.7	118				
Dibenzo(a,h)anthracene	0.00465	0.00010	0.005000	0	93.0	59.3	126				
Diethyl phthalate	0.00415	0.00100	0.005000	0	83.1	55.3	133				
Dimethyl phthalate	0.00444	0.00100	0.005000	0	88.7	55.7	112				
Di-n-butyl phthalate	0.00493	0.00100	0.005000	0	98.6	61.5	130				
Fluoranthene	0.00490	0.00010	0.005000	0	97.9	60.1	117				
Fluorene	0.00450	0.00010	0.005000	0	90.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00475	0.00010	0.005000	0	95.1	58.1	123				
m,p-Cresol	0.00311	0.00010	0.005000	0	62.2	17.9	107				
Naphthalene	0.00382	0.00010	0.005000	0	76.4	36.3	97.1				
o-Cresol	0.00362	0.00010	0.005000	0	72.4	20.5	109				
Phenanthrene	0.00484	0.00010	0.005000	0	96.8	55.9	107				
Pyrene	0.00487	0.00010	0.005000	0	97.3	61.4	116				
Surr: 2-Fluorobiphenyl	0.00218		0.005000		43.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00400		0.01000		40.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00270		0.005000		54.0	39.9	106				
Surr: Phenol-d5	0.00298		0.01000		29.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00348		0.005000		69.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: LCSD-54349		SampType: LCSD		Units: mg/L		Prep Date: 7/23/2009		RunNo: 124930			
Client ID: ZZZZZZ		Batch ID: 54349		SW3510C		Analysis Date: 7/23/2009		SeqNo: 2341921			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00458	0.00010	0.005000	0	91.6	50.1	103	0.004269	7.03	50	
Acenaphthylene	0.00499	0.00010	0.005000	0	99.7	53.3	122	0.004656	6.83	50	
Anthracene	0.00434	0.00010	0.005000	0	86.8	57.4	110	0.004583	5.45	50	
Benzo(a)anthracene	0.00442	0.00010	0.005000	0	88.4	56	102	0.004504	1.93	50	
Benzo(a)pyrene	0.00508	0.00010	0.005000	0	101.5	55.4	125	0.005207	2.55	50	
Benzo(b)fluoranthene	0.00502	0.00010	0.005000	0	100.4	59.3	127	0.005012	0.159	50	
Benzo(g,h,i)perylene	0.00480	0.00010	0.005000	0	96.0	58.4	125	0.004719	1.70	50	
Benzo(k)fluoranthene	0.00532	0.00010	0.005000	0	106.3	61.5	125	0.005441	2.32	50	
Bis(2-ethylhexyl)phthalate	0.00537	0.00200	0.005000	0	107.3	63.2	152	0.005773	7.31	50	
Chrysene	0.00519	0.00010	0.005000	0	103.9	58.7	118	0.004849	6.85	50	
Dibenzo(a,h)anthracene	0.00473	0.00010	0.005000	0	94.6	59.3	126	0.004649	1.73	50	
Diethyl phthalate	0.00484	0.00100	0.005000	0	96.9	55.3	133	0.004153	15.4	0	
Dimethyl phthalate	0.00429	0.00100	0.005000	0	85.8	55.7	112	0.004437	3.42	0	
Di-n-butyl phthalate	0.00481	0.00100	0.005000	0	96.2	61.5	130	0.004929	2.46	50	
Fluoranthene	0.00472	0.00010	0.005000	0	94.4	60.1	117	0.004895	3.62	50	
Fluorene	0.00482	0.00010	0.005000	0	96.4	54.1	110	0.004500	6.83	50	
Indeno(1,2,3-cd)pyrene	0.00486	0.00010	0.005000	0	97.1	58.1	123	0.004754	2.14	50	
m,p-Cresol	0.00312	0.00010	0.005000	0	62.4	17.9	107	0.003111	0.289	50	
Naphthalene	0.00399	0.00010	0.005000	0	79.9	36.3	97.1	0.003819	4.45	50	
o-Cresol	0.00381	0.00010	0.005000	0	76.2	20.5	109	0.003622	5.01	50	
Phenanthrene	0.00481	0.00010	0.005000	0	96.3	55.9	107	0.004842	0.601	50	
Pyrene	0.00474	0.00010	0.005000	0	94.7	61.4	116	0.004866	2.69	50	
Surr: 2-Fluorobiphenyl	0.00210		0.005000		42.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00436		0.01000		43.6	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00278		0.005000		55.6	39.9	106		0	50	
Surr: Phenol-d5	0.00317		0.01000		31.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00331		0.005000		66.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09070885

Report Date: 29-Jul-09

Sample ID: MB-R124965		SampType: MBLK		Units: mg/L		Prep Date:		RunNo: 124965			
Client ID: ZZZZZZ		Batch ID: R124965				Analysis Date: 7/24/2009		SeqNo: 2342567			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R124965		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 124965			
Client ID: ZZZZZZ		Batch ID: R124965				Analysis Date: 7/24/2009		SeqNo: 2342568			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.106	0.007	0.1000	0	106.3	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09070885

Report Date: 29-Jul-09

Carrier: John Riley

Received By: MLD

Completed by: *Marvin L. Darling II*

Reviewed by: *Heather A. White*

On:

On:

23-Jul-09

24-Jul-09

Marvin L. Darling

Heather A. White

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 6.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☐	No ☒	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

A significant amount of headspace was present in one of the volatile vials for P1-WW6. MLDII 7/23/09

August 03, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09071055

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/28/2009 4:32:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09071055

Report Date: 03-Aug-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09071055-001	P1-WW8	4	7/28/2009 10:40:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09071055

Report Date: 03-Aug-09

Cooler Receipt Temp: 12.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09071055

Lab ID: 09071055-001

Report Date: 03-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW8

Collection Date: 7/28/2009 10:40:00 AM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.84		1	7/28/2009 7:47:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		38	mg/L	1	7/28/2009 5:30:00 PM	MAB
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		15	mg/L	1	7/29/2009 2:45:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/29/2009 10:05:32 AM	LAL
Barium	NELAP	0.0050		0.159	mg/L	1	7/29/2009 10:05:32 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/29/2009 10:05:32 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/29/2009 10:05:32 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/29/2009 10:05:32 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/29/2009 10:05:32 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0008	mg/L	1	7/29/2009 10:28:36 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Acenaphthylene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Anthracene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00250		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Chrysene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Diethyl phthalate	NELAP	0.00125		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Dimethyl phthalate	NELAP	0.00125		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00125		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Fluoranthene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Fluorene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
m,p-Cresol	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Naphthalene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
o-Cresol	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Phenanthrene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Pyrene	NELAP	0.00012		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV
Total PNAs except Naphthalene		0.00016		ND	mg/L	1	7/29/2009 11:59:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09071055

Lab ID: 09071055-001

Report Date: 03-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW8

Collection Date: 7/28/2009 10:40:00 AM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108	S	24.3	%REC	1	7/29/2009 11:59:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		19.8	%REC	1	7/29/2009 11:59:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105	S	27.3	%REC	1	7/29/2009 11:59:00 AM	MAV
Surr: Phenol-d5		11-42.8		13.0	%REC	1	7/29/2009 11:59:00 AM	MAV
Surr: p-Terphenyl-d14		49-113	S	24.0	%REC	1	7/29/2009 11:59:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/28/2009 5:48:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/28/2009 5:48:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/28/2009 5:48:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/28/2009 5:48:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		99.4	%REC	1	7/28/2009 5:48:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		100.9	%REC	1	7/28/2009 5:48:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		100.5	%REC	1	7/28/2009 5:48:00 PM	CCF
Surr: Toluene-d8		84.3-114		101.7	%REC	1	7/28/2009 5:48:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/28/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		Interference	ml/L	10	7/29/2009 8:13:51 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.070		0.904	mg/L	10	7/29/2009 8:13:51 AM	RCE

Sample Narrative

Standard Methods 18th Ed. 5210 B

Insufficient sample amount to analyze duplicate

SW-846 7470A (Total)

Insufficient sample to run MSD.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits. Insufficient sample left for re-extraction.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 62403053**Lab Order:** 09071055**Report Date:** 03-Aug-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09071055-001A	P1-WW8	7/28/2009	Waste Water	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/28/2009 7:47:00 PM
				Standard Methods 18th Ed. 2540 D		7/28/2009 5:30:00 PM
				Standard Methods 18th Ed. 5210 B	7/29/2009 2:45:00 PM	7/29/2009 2:45:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/28/2009 6:09:47 PM	7/29/2009 10:12:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/28/2009 6:09:47 PM	7/29/2009 11:59:00 AM
09071055-001B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/28/2009 5:10:55 PM	7/29/2009 10:05:32 AM
				SW-846 3020A, Metals by GFAA (Total)	7/28/2009 5:44:21 PM	7/29/2009 10:28:36 AM
				SW-846 7470A (Total)	7/28/2009 6:13:21 PM	7/28/2009
09071055-001C				SW-846 9012A		7/29/2009 8:13:51 AM
				SW-846 9012A (Total)		7/29/2009 8:13:51 AM
09071055-001D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/28/2009 5:00:00 PM	7/28/2009 5:48:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09071055

Report Date: 03-Aug-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R125127		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 125127		
Client ID: ZZZZZZ		Batch ID: R125127					Analysis Date: 7/28/2009			SeqNo: 2345396	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R125127		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 125127		
Client ID: ZZZZZZ		Batch ID: R125127			Analysis Date: 7/28/2009			SeqNo: 2345397				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 125127		
Client ID: ZZZZZZ		Batch ID: R125127			Analysis Date: 7/28/2009			SeqNo: 2345416				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: 09071055-001ADUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 125127		
Client ID: P1-WW8DUP		Batch ID: R125127					Analysis Date: 7/28/2009			SeqNo: 2345436	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	37	6						38.00	2.67	15	
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 125127			
Client ID: ZZZZZZ	Batch ID: R125127				Analysis Date: 7/28/2009			SeqNo: 2345437			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: LCS-R125109		SampType: LCS			Units:		Prep Date:			RunNo: 125109		
Client ID: ZZZZZZ		Batch ID: R125109			Analysis Date: 7/28/2009			SeqNo: 2345149				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9					

Sample ID: 09071055-001ADUP		SampType: DUP		Units:		Prep Date:			RunNo: 125109		
Client ID: P1-WW8DUP		Batch ID: R125109				Analysis Date: 7/28/2009			SeqNo: 2345785		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.84	1.00						7.840	0	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: LCS-54499	SampType: LCS	Units: mg/L			Prep Date: 7/29/2009			RunNo: 125233			
Client ID: ZZZZZZ	Batch ID: 54499	SOP 2030			Analysis Date: 7/29/2009			SeqNo: 2347984			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	216	5	198.0	0	109.1	84.6	115.4				
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Sample ID: LCSQC-54499	SampType: LCSQC	Units: mg/L			Prep Date: 7/29/2009			RunNo: 125233			
Client ID: ZZZZZZ	Batch ID: 54499	SOP 2030			Analysis Date: 7/29/2009			SeqNo: 2347985			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	64	5	58.00	0	110.7	62.2	135.5				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: MB-54458	SampType: MBLK	Units: mg/L			Prep Date: 7/28/2009			RunNo: 125110			
Client ID: ZZZZZZ	Batch ID: 54458	SOP 3034			Analysis Date: 7/29/2009			SeqNo: 2345606			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54458	SampType: LCS	Units: mg/L			Prep Date: 7/28/2009			RunNo: 125110			
Client ID: ZZZZZZ	Batch ID: 54458	SOP 3034			Analysis Date: 7/29/2009			SeqNo: 2345607			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	106.2	85	115				
Barium	2.10	0.0050	2.000	0	105.2	85	115				
Cadmium	0.0527	0.0020	0.05000	0	105.4	85	115				
Chromium	0.212	0.0100	0.2000	0	105.8	85	115				
Selenium	2.17	0.0500	2.000	0	108.4	85	115				
Silver	0.0542	0.0100	0.05000	0	108.4	85	115				

Sample ID: 09071055-001BMS		SampType: MS		Units: mg/L		Prep Date: 7/28/2009			RunNo: 125110		
Client ID: P1-WW8MS		Batch ID: 54458		SOP 3034		Analysis Date: 7/29/2009			SeqNo: 2345609		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	75	125				
Barium	2.20	0.0050	2.000	0.1589	102.0	75	125				
Cadmium	0.0515	0.0020	0.05000	0	103.0	75	125				
Chromium	0.213	0.0100	0.2000	0	106.6	75	125				
Selenium	2.22	0.0500	2.000	0	110.9	75	125				
Silver	0.0519	0.0100	0.05000	0	103.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: 09071055-001BMSD		SampType: MSD		Units: mg/L		Prep Date: 7/28/2009		RunNo: 125110			
Client ID: P1-WW8MSD		Batch ID: 54458		SOP 3034		Analysis Date: 7/29/2009		SeqNo: 2345610			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.13	0.0250	2.000	0	106.3	75	125	2.173	2.19	20	
Barium	2.14	0.0050	2.000	0.1589	99.1	75	125	2.198	2.67	20	
Cadmium	0.0505	0.0020	0.05000	0	101.0	75	125	0.05150	1.96	20	
Chromium	0.206	0.0100	0.2000	0	103.0	75	125	0.2132	3.48	20	
Selenium	2.17	0.0500	2.000	0	108.6	75	125	2.218	2.10	20	
Silver	0.0520	0.0100	0.05000	0	104.0	75	125	0.05190	0.192	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: MB-54445		SampType: MBLK		Units: mg/L		Prep Date: 7/28/2009			RunNo: 125145			
Client ID: ZZZZZZ		Batch ID: 54445		SOP 3044		Analysis Date: 7/29/2009			SeqNo: 2345903			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0007	0.0020	0.002000	0	32.9	-100	100				J

Sample ID: LCS-54445		SampType: LCS		Units: mg/L		Prep Date: 7/28/2009			RunNo: 125145			
Client ID: ZZZZZZ		Batch ID: 54445		SOP 3044		Analysis Date: 7/29/2009			SeqNo: 2345905			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0171	0.0020	0.01500	0	113.8	80	120				

Sample ID: 09071055-001BMS		SampType: MS		Units: mg/L		Prep Date: 7/28/2009			RunNo: 125145			
Client ID: P1-WW8MS		Batch ID: 54445		SOP 3044		Analysis Date: 7/29/2009			SeqNo: 2345911			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0171	0.0020	0.01500	0.0007930	108.5	70	130				

Sample ID: 09071055-001BMSD		SampType: MSD		Units: mg/L		Prep Date: 7/28/2009			RunNo: 125145			
Client ID: P1-WW8MSD		Batch ID: 54445		SOP 3044		Analysis Date: 7/29/2009			SeqNo: 2345912			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0169	0.0020	0.01500	0.0007930	107.3	70	130	0.01706	1.08	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: MB-54462	SampType: MBLK			Units: mg/L		Prep Date: 7/28/2009			RunNo: 125105		
Client ID: ZZZZZZ	Batch ID: 54462			SOP 3062		Analysis Date: 7/28/2009			SeqNo: 2345937		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-54462	SampType: LCS			Units: mg/L		Prep Date: 7/28/2009			RunNo: 125105		
Client ID: ZZZZZZ	Batch ID: 54462			SOP 3062		Analysis Date: 7/28/2009			SeqNo: 2345938		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00533	0.00020	0.005000	0	106.6	85	115				

Sample ID: MB-54462	SampType: MBLK			Units: mg/L		Prep Date: 7/28/2009			RunNo: 125105		
Client ID: ZZZZZZ	Batch ID: 54462			SOP 3062		Analysis Date: 7/28/2009			SeqNo: 2345942		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-54462	SampType: LCS			Units: mg/L		Prep Date: 7/28/2009			RunNo: 125105		
Client ID: ZZZZZZ	Batch ID: 54462			SOP 3062		Analysis Date: 7/28/2009			SeqNo: 2345943		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00533	0.00020	0.005000	0	106.6	85	115				

Sample ID: 09071055-001BMS	SampType: MS			Units: mg/L		Prep Date: 7/28/2009			RunNo: 125105		
Client ID: P1-WW8MS	Batch ID: 54462			SOP 3062		Analysis Date: 7/28/2009			SeqNo: 2346122		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00925	0.00020	0.01000	0	92.5	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: LCS-N090728-1	SampType: LCS	Units: µg/L				Prep Date: 7/28/2009			RunNo: 125093		
Client ID: ZZZZZZ	Batch ID: 54449	SW5030				Analysis Date: 7/28/2009			SeqNo: 2344798		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.4	2.0	50.00	0	94.8	82.7	117				
Ethylbenzene	49.4	5.0	50.00	0	98.7	83	113				
Toluene	49.2	5.0	50.00	0	98.4	79.6	116				
Xylenes, Total	100	5.0	100.0	0	100	80.3	120				
Surr: 1,2-Dichloroethane-d4	49.7		50.00		99.4	74.7	129				
Surr: 4-Bromofluorobenzene	48.4		50.00		96.8	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.7	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: LCSD-N090728-1	SampType: LCSD	Units: µg/L				Prep Date: 7/28/2009			RunNo: 125093		
Client ID: ZZZZZZ	Batch ID: 54449	SW5030				Analysis Date: 7/28/2009			SeqNo: 2344799		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.3	2.0	50.00	0	92.5	82.7	117	47.41	2.43	20	
Ethylbenzene	48.5	5.0	50.00	0	96.9	83	113	49.35	1.82	20	
Toluene	48.8	5.0	50.00	0	97.7	79.6	116	49.18	0.714	20	
Xylenes, Total	98.5	5.0	100.0	0	98.5	80.3	120	99.99	1.50	20	
Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.5		50.00		97.0	86	119		0	0	
Surr: Dibromofluoromethane	49.4		50.00		98.7	81.7	123		0	0	
Surr: Toluene-d8	49.7		50.00		99.4	84.3	114		0	0	

Sample ID: MBLK-N090728-1	SampType: MBLK	Units: µg/L				Prep Date: 7/28/2009			RunNo: 125093		
Client ID: ZZZZZZ	Batch ID: 54449	SW5030				Analysis Date: 7/28/2009			SeqNo: 2344800		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: MBLK-N090728-1		SampType: MBLK		Units: µg/L		Prep Date: 7/28/2009			RunNo: 125093		
Client ID: ZZZZZZ		Batch ID: 54449		SW5030		Analysis Date: 7/28/2009			SeqNo: 2344800		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.0		50.00		99.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.9		50.00		101.8	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.5	81.7	123				
Surr: Toluene-d8	50.8		50.00		101.6	84.3	114				

Sample ID: 09071055-001DMS		SampType: MS		Units: µg/L		Prep Date: 7/28/2009			RunNo: 125093		
Client ID: P1-WW8MS		Batch ID: 54449		SW5030		Analysis Date: 7/28/2009			SeqNo: 2345566		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	50.8	2.0	54.00	0	94.1	57.8	125				
Toluene	54.8	5.0	54.00	0	101.4	75.8	123				
Ethylbenzene	54.8	5.0	54.00	0	101.4	72.8	123				
Xylenes, Total	110	5.0	108.0	0	102.1	73	127				
Surr: 1,2-Dichloroethane-d4	49.3		50.00		98.7	74.7	129				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.6	86	119				
Surr: Dibromofluoromethane	50.1		50.00		100.3	81.7	123				
Surr: Toluene-d8	50.7		50.00		101.4	84.3	114				

Sample ID: 09071055-001DMSD		SampType: MSD		Units: µg/L		Prep Date: 7/28/2009			RunNo: 125093		
Client ID: P1-WW8MSD		Batch ID: 54449		SW5030		Analysis Date: 7/28/2009			SeqNo: 2345567		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	50.9	2.0	54.00	0	94.3	57.8	125	50.80	0.275	20	
Toluene	55.3	5.0	54.00	0	102.4	75.8	123	54.77	0.927	20	
Ethylbenzene	55.0	5.0	54.00	0	101.9	72.8	123	54.77	0.437	20	
Xylenes, Total	110	5.0	108.0	0	102.1	73	127	110.3	0.0181	20	
Surr: 1,2-Dichloroethane-d4	48.3		50.00		96.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.3		50.00		98.6	86	119		0	0	
Surr: Dibromofluoromethane	49.9		50.00		99.9	81.7	123		0	0	
Surr: Toluene-d8	50.1		50.00		100.2	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: MB-54461	SampType: MBLK	Units: mg/L	Prep Date: 7/28/2009	RunNo: 125113							
Client ID: ZZZZZZ	Batch ID: 54461	SW3510C	Analysis Date: 7/29/2009	SeqNo: 2345637							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00263		0.005000		52.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00473		0.01000		47.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00344		0.005000		68.8	39.9	106				
Surr: Phenol-d5	0.00306		0.01000		30.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00334		0.005000		66.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: LCS-54461	SampType: LCS	Units: mg/L			Prep Date: 7/28/2009			RunNo: 125113			
Client ID: ZZZZZZ	Batch ID: 54461	SW3510C			Analysis Date: 7/29/2009			SeqNo: 2345638			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00403	0.00010	0.005000	0	80.5	50.1	103				
Acenaphthylene	0.00430	0.00010	0.005000	0	86.0	53.3	122				
Anthracene	0.00429	0.00010	0.005000	0	85.8	57.4	110				
Benzo(a)anthracene	0.00420	0.00010	0.005000	0	84.0	56	102				
Benzo(a)pyrene	0.00472	0.00010	0.005000	0	94.5	55.4	125				
Benzo(b)fluoranthene	0.00468	0.00010	0.005000	0	93.7	59.3	127				
Benzo(g,h,i)perylene	0.00449	0.00010	0.005000	0	89.8	58.4	125				
Benzo(k)fluoranthene	0.00492	0.00010	0.005000	0	98.5	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00573	0.00200	0.005000	0	114.7	63.2	152				
Chrysene	0.00496	0.00010	0.005000	0	99.1	58.7	118				
Dibenzo(a,h)anthracene	0.00450	0.00010	0.005000	0	89.9	59.3	126				
Diethyl phthalate	0.00460	0.00100	0.005000	0	91.9	55.3	133				
Dimethyl phthalate	0.00423	0.00100	0.005000	0	84.6	55.7	112				
Di-n-butyl phthalate	0.00484	0.00100	0.005000	0	96.9	61.5	130				
Fluoranthene	0.00438	0.00010	0.005000	0	87.7	60.1	117				
Fluorene	0.00442	0.00010	0.005000	0	88.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00459	0.00010	0.005000	0	91.7	58.1	123				
m,p-Cresol	0.00307	0.00010	0.005000	0	61.5	17.9	107				
Naphthalene	0.00296	0.00010	0.005000	0	59.3	36.3	97.1				
o-Cresol	0.00361	0.00010	0.005000	0	72.1	20.5	109				
Phenanthrene	0.00449	0.00010	0.005000	0	89.8	55.9	107				
Pyrene	0.00449	0.00010	0.005000	0	89.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.00303		0.005000		60.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00466		0.01000		46.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106				
Surr: Phenol-d5	0.00317		0.01000		31.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00324		0.005000		64.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: LCSD-54461		SampType: LCSD		Units: mg/L		Prep Date: 7/28/2009		RunNo: 125113			
Client ID: ZZZZZZ		Batch ID: 54461		SW3510C		Analysis Date: 7/29/2009		SeqNo: 2345743			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00302	0.00010	0.005000	0	60.4	50.1	103	0.004025	28.6	50	
Acenaphthylene	0.00340	0.00010	0.005000	0	68.1	53.3	122	0.004300	23.2	50	
Anthracene	0.00374	0.00010	0.005000	0	74.9	57.4	110	0.004290	13.6	50	
Benzo(a)anthracene	0.00349	0.00010	0.005000	0	69.8	56	102	0.004199	18.5	50	
Benzo(a)pyrene	0.00385	0.00010	0.005000	0	77.0	55.4	125	0.004723	20.3	50	
Benzo(b)fluoranthene	0.00388	0.00010	0.005000	0	77.7	59.3	127	0.004685	18.7	50	
Benzo(g,h,i)perylene	0.00382	0.00010	0.005000	0	76.5	58.4	125	0.004492	16.1	50	
Benzo(k)fluoranthene	0.00402	0.00010	0.005000	0	80.4	61.5	125	0.004923	20.2	50	
Bis(2-ethylhexyl)phthalate	0.00485	0.00200	0.005000	0	96.9	63.2	152	0.005734	16.8	50	
Chrysene	0.00418	0.00010	0.005000	0	83.7	58.7	118	0.004957	16.9	50	
Dibenzo(a,h)anthracene	0.00371	0.00010	0.005000	0	74.2	59.3	126	0.004495	19.1	50	
Diethyl phthalate	0.00378	0.00100	0.005000	0	75.7	55.3	133	0.004595	19.4	0	
Dimethyl phthalate	0.00335	0.00100	0.005000	0	67.0	55.7	112	0.004232	23.3	0	
Di-n-butyl phthalate	0.00412	0.00100	0.005000	0	82.4	61.5	130	0.004844	16.2	50	
Fluoranthene	0.00363	0.00010	0.005000	0	72.6	60.1	117	0.004385	18.8	50	
Fluorene	0.00372	0.00010	0.005000	0	74.3	54.1	110	0.004419	17.3	50	
Indeno(1,2,3-cd)pyrene	0.00376	0.00010	0.005000	0	75.1	58.1	123	0.004587	19.9	50	
m,p-Cresol	0.00264	0.00010	0.005000	0	52.8	17.9	107	0.003073	15.1	50	
Naphthalene	0.00246	0.00010	0.005000	0	49.2	36.3	97.1	0.002963	18.6	50	
o-Cresol	0.00305	0.00010	0.005000	0	61.1	20.5	109	0.003606	16.6	50	
Phenanthrene	0.00382	0.00010	0.005000	0	76.4	55.9	107	0.004491	16.2	50	
Pyrene	0.00374	0.00010	0.005000	0	74.7	61.4	116	0.004490	18.4	50	
Surr: 2-Fluorobiphenyl	0.00228		0.005000		45.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00385		0.01000		38.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00295		0.005000		59.0	39.9	106		0	50	
Surr: Phenol-d5	0.00299		0.01000		29.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00266		0.005000		53.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09071055

Report Date: 03-Aug-09

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 125137		
Client ID: ZZZZZZ		Batch ID: R125137			Analysis Date: 7/29/2009			SeqNo: 2345756				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.210	0.007	0.2000	0	105.0	70	120				
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Sample ID: MB-R125137		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 125137		
Client ID: ZZZZZZ		Batch ID: R125137			Analysis Date: 7/29/2009			SeqNo: 2349423				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R125137		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 125137		
Client ID: ZZZZZZ		Batch ID: R125137			Analysis Date: 7/29/2009			SeqNo: 2349424				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.109	0.007	0.1000	0	109.1	90	110				
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09071055

Report Date: 03-Aug-09

Carrier: Employee

Received By: MLD

Completed by:

On:

28-Jul-09

Erin Clarke

Reviewed by:

On:

28-Jul-09

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 12.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09484

Project Name: Annen Champaign Project Mgr.: P. Szama

Project Number: 62403053 Cost Code: 600000

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

P1 - WW8

Date

7-28-09

Time

1040

Matrix

Soil

Water

Air

Wipes

Other *

Total Number of Containers

3

Analyses by Method Name and Number

BTEX 8260

SVOCs 8270

RCRA Metals

Total Cyanide

Amenable Cyanide

pH

BODs

TSS

Comments (Field PID)

Lab ID #'s

09071055

Laboratory Temperature upon Receipt

12.0 ICE

Freeze space OK

1 DAY

Samples Iced:

Preservatives (ONLY for Water Samples)

☐ Volatile Organics

☐ VOC Soil (5035)

☐ TPH

☐ Metals

☐ Cyanide

☐ Other (Specify)

Hydrochloric acid (HCl)

Sodium Bisulfate/Methanol

Hydrochloric acid and/or Sulfuric acid (HNO₃)

Nitric acid (NaOH)

Sodium hydroxide

☒ Yes

☐ No

Lab Directives:

Requested TAT:

☒ Rush

☐ 5 Days

☐ STD

☐ Other

Fax and/or Mail Results to:

P. Szama and L. Hardier

Send Invoice to:

☐ Full QC & Limits

☐ CLP-LIKE

☐ EDD

☐ Other

QC Deliverable Requested:

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

PE-179 (6/03)

Shaded Areas to be Completed by Lab

09071055

August 10, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09080060

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/3/2009 4:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080060

Report Date: 10-Aug-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09080060-001	P1-WW9	5	8/3/2009 10:35:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09080060

Report Date: 10-Aug-09

Cooler Receipt Temp: 7.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080060

Lab ID: 09080060-001

Report Date: 10-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW9

Collection Date: 8/3/2009 10:35:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.78		1	8/3/2009 10:47:00 PM	LMK
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		9	mg/L	1	8/3/2009 7:00:00 PM	MAB
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		6	mg/L	1	8/3/2009 5:00:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/4/2009 11:34:49 AM	LAL
Barium	NELAP	0.0050		0.174	mg/L	1	8/4/2009 11:34:49 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	8/4/2009 11:34:49 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/4/2009 11:34:49 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/4/2009 11:34:49 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/4/2009 11:34:49 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	8/4/2009 10:55:12 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00011	mg/L	1	8/4/2009 10:45:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		0.00017	mg/L	1	8/4/2009 10:45:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		0.00014	mg/L	1	8/4/2009 10:45:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/4/2009 10:45:00 AM	MAV
Pyrene	NELAP	0.00010		0.00031	mg/L	1	8/4/2009 10:45:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00072	mg/L	1	8/4/2009 10:45:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080060

Lab ID: 09080060-001

Report Date: 10-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1-WW9

Collection Date: 8/3/2009 10:35:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		64.8	%REC	1	8/4/2009 10:45:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		46.5	%REC	1	8/4/2009 10:45:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		74.4	%REC	1	8/4/2009 10:45:00 AM	MAV
Surr: Phenol-d5		11-42.8		32.8	%REC	1	8/4/2009 10:45:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		61.4	%REC	1	8/4/2009 10:45:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/3/2009 6:57:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/3/2009 6:57:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	8/3/2009 6:57:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/3/2009 6:57:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		97.4	%REC	1	8/3/2009 6:57:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		101.0	%REC	1	8/3/2009 6:57:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		100	%REC	1	8/3/2009 6:57:00 PM	CCF
Surr: Toluene-d8		84.3-114		99.4	%REC	1	8/3/2009 6:57:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/3/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		0.158	ml/L	10	8/4/2009 8:23:27 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.070		1.17	mg/L	10	8/4/2009 8:23:27 AM	RCE

Sample Narrative

Standard Methods 18th Ed. 5210 B

Duplicate not analyzed due to lab error.

SW-846 7470A (Total)

Insufficient sample to run MS/MSD.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 62403053**Lab Order:** 09080060**Report Date:** 10-Aug-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09080060-001A	P1-WW9	8/3/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/3/2009 6:12:00 PM	8/4/2009 10:45:00 AM
09080060-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/3/2009 10:47:00 PM
				Standard Methods 18th Ed. 2540 D		8/3/2009 7:00:00 PM
				Standard Methods 18th Ed. 5210 B	8/3/2009 5:00:00 PM	8/3/2009 5:00:00 PM
09080060-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/3/2009 6:12:01 PM	8/4/2009 11:34:49 AM
				SW-846 3020A, Metals by GFAA (Total)	8/3/2009 7:59:28 PM	8/4/2009 10:55:12 AM
				SW-846 7470A (Total)	8/3/2009 5:30:00 PM	8/3/2009
09080060-001D				SW-846 9012A		8/4/2009 8:23:27 AM
				SW-846 9012A (Total)		8/4/2009 8:23:27 AM
09080060-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/3/2009 6:57:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080060

Report Date: 10-Aug-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R125330		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 125330		
Client ID: ZZZZZZ		Batch ID: R125330					Analysis Date: 8/3/2009			SeqNo: 2350530	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R125330		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 125330		
Client ID: ZZZZZZ		Batch ID: R125330			Analysis Date: 8/3/2009			SeqNo: 2350531				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	103	6	100.0	0	103.0	85	115				
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Sample ID: 09080060-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 125330		
Client ID: P1-WW9DUP		Batch ID: R125330			Analysis Date: 8/3/2009			SeqNo: 2350549				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	9	6						9.000	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 125330		
Client ID: ZZZZZZ		Batch ID: R125330			Analysis Date: 8/3/2009			SeqNo: 2350550				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: LCS-R125349	SampType: LCS	Units:			Prep Date:			RunNo: 125349			
Client ID: ZZZZZZ	Batch ID: R125349				Analysis Date: 8/3/2009			SeqNo: 2351055			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 09080060-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 125349			
Client ID: P1-WW9DUP		Batch ID: R125349				Analysis Date: 8/3/2009		SeqNo: 2351058			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.79	1.00						7.780	0.128	10	
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080060

Report Date: 10-Aug-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M5210 B

Sample ID: LCS-54608	SampType: LCS	Units: mg/L			Prep Date: 8/3/2009			RunNo: 125435			
Client ID: ZZZZZZ	Batch ID: 54608	SOP 2030			Analysis Date: 8/3/2009			SeqNo: 2353029			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	216	5	198.0	0	109.1	84.6	115.4				
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Sample ID: LCSQC-54608	SampType: LCSQC	Units: mg/L			Prep Date: 8/3/2009			RunNo: 125435			
Client ID: ZZZZZZ	Batch ID: 54608	SOP 2030			Analysis Date: 8/3/2009			SeqNo: 2353030			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	68	5	58.00	0	117.2	62.2	135.5				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MB-54604	SampType: MBLK	Units: mg/L				Prep Date: 8/3/2009				RunNo: 125339		
Client ID: ZZZZZZ	Batch ID: 54604	SOP 3034				Analysis Date: 8/4/2009				SeqNo: 2351529		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.0063	0.0100	0.01000	0	63.0	-100	100				J	

Sample ID: LCS-54604	SampType: LCS	Units: mg/L				Prep Date: 8/3/2009				RunNo: 125339		
Client ID: ZZZZZZ	Batch ID: 54604	SOP 3034				Analysis Date: 8/4/2009				SeqNo: 2351530		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.208	0.0100	0.2000	0	104.2	85	115					

Sample ID: MB-54604	SampType: MBLK	Units: mg/L			Prep Date: 8/3/2009			RunNo: 125326			
Client ID: ZZZZZZ	Batch ID: 54604	SOP 3034			Analysis Date: 8/4/2009			SeqNo: 2351023			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54604	SampType: LCS	Units: mg/L				Prep Date: 8/3/2009			RunNo: 125326		
Client ID: ZZZZZZ	Batch ID: 54604	SOP 3034				Analysis Date: 8/4/2009			SeqNo: 2351024		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.16	0.0250	2.000	0	107.9	85	115				
Barium	2.20	0.0050	2.000	0	110.0	85	115				
Cadmium	0.0538	0.0020	0.05000	0	107.6	85	115				
Chromium	0.219	0.0100	0.2000	0	109.4	85	115				
Selenium	2.22	0.0500	2.000	0	110.8	85	115				
Silver	0.0481	0.0100	0.05000	0	96.2	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: 09080060-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/3/2009		RunNo: 125326			
Client ID: P1-WW9MS		Batch ID: 54604		SOP 3034		Analysis Date: 8/4/2009		SeqNo: 2351026			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.1	75	125				
Barium	2.13	0.0050	2.000	0.1740	97.7	75	125				
Cadmium	0.0482	0.0020	0.05000	0	96.4	75	125				
Chromium	0.204	0.0100	0.2000	0	102.0	75	125				
Selenium	2.11	0.0500	2.000	0	105.4	75	125				
Silver	0.0474	0.0100	0.05000	0	94.8	75	125				

Sample ID: 09080060-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/3/2009		RunNo: 125326			
Client ID: P1-WW9MSD		Batch ID: 54604		SOP 3034		Analysis Date: 8/4/2009		SeqNo: 2351027			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	75	125	2.042	1.31	20	
Barium	2.15	0.0050	2.000	0.1740	98.8	75	125	2.128	1.08	20	
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125	0.04820	0.826	20	
Chromium	0.206	0.0100	0.2000	0	103.2	75	125	0.2039	1.22	20	
Selenium	2.12	0.0500	2.000	0	106.0	75	125	2.107	0.662	20	
Silver	0.0470	0.0100	0.05000	0	94.0	75	125	0.04740	0.847	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MB-54603		SampType: MBLK		Units: mg/L		Prep Date: 8/3/2009			RunNo: 125345		
Client ID: ZZZZZZ		Batch ID: 54603		SOP 3044		Analysis Date: 8/4/2009			SeqNo: 2350943		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-54603		SampType: LCS		Units: mg/L		Prep Date: 8/3/2009			RunNo: 125345		
Client ID: ZZZZZZ		Batch ID: 54603		SOP 3044		Analysis Date: 8/4/2009			SeqNo: 2350944		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0154	0.0020	0.01500	0	102.4	80	120			
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Sample ID: 09080060-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/3/2009			RunNo: 125345		
Client ID: P1-WW9MS		Batch ID: 54603		SOP 3044		Analysis Date: 8/4/2009			SeqNo: 2350946		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0150	0.0020	0.01500	0.0006979	95.2	70	130			
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Sample ID: 09080060-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/3/2009			RunNo: 125345		
Client ID: P1-WW9MSD		Batch ID: 54603		SOP 3044		Analysis Date: 8/4/2009			SeqNo: 2350947		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0140	0.0020	0.01500	0.0006979	88.7	70	130	0.01498	6.74	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MB-54607	SampType: MBLK	Units: mg/L			Prep Date: 8/3/2009			RunNo: 125302			
Client ID: ZZZZZZ	Batch ID: 54607	SOP 3062			Analysis Date: 8/3/2009			SeqNo: 2350131			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-54607		SampType: LCS			Units: mg/L		Prep Date: 8/3/2009		RunNo: 125302		
Client ID: ZZZZZZ		Batch ID: 54607			SOP 3062		Analysis Date: 8/3/2009		SeqNo: 2350132		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00545	0.00020	0.005000	0	109.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: LCS-N090803-1		SampType: LCS		Units: µg/L		Prep Date: 8/3/2009		RunNo: 125346			
Client ID: ZZZZZZ		Batch ID: 54616		SW5030		Analysis Date: 8/3/2009		SeqNo: 2350976			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.9	2.0	50.00	0	89.8	82.7	117				
Ethylbenzene	46.0	5.0	50.00	0	92.1	83	113				
Toluene	46.2	5.0	50.00	0	92.4	79.6	116				
Xylenes, Total	91.3	5.0	100.0	0	91.3	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.0		50.00		100	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100.1	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.1	81.7	123				
Surr: Toluene-d8	49.4		50.00		98.8	84.3	114				

Sample ID: LCSD-N090803-1		SampType: LCSD		Units: µg/L		Prep Date: 8/3/2009		RunNo: 125346			
Client ID: ZZZZZZ		Batch ID: 54616		SW5030		Analysis Date: 8/3/2009		SeqNo: 2350977			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.4	2.0	50.00	0	86.9	82.7	117	44.89	3.26	20	
Ethylbenzene	45.6	5.0	50.00	0	91.1	83	113	46.04	1.07	20	
Toluene	44.7	5.0	50.00	0	89.4	79.6	116	46.20	3.28	20	
Xylenes, Total	89.3	5.0	100.0	0	89.3	80.3	120	91.27	2.19	20	
Surr: 1,2-Dichloroethane-d4	49.4		50.00		98.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.1		50.00		100.2	86	119		0	0	
Surr: Dibromofluoromethane	50.3		50.00		100.7	81.7	123		0	0	
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114		0	0	

Sample ID: MBLK-N090803-1		SampType: MBLK		Units: µg/L		Prep Date: 8/3/2009		RunNo: 125346			
Client ID: ZZZZZZ		Batch ID: 54616		SW5030		Analysis Date: 8/3/2009		SeqNo: 2350978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	2.0									
Toluene	ND	5.0									
Xylenes, Total	ND	0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MBLK-N090803-1		SampType: MBLK		Units: µg/L		Prep Date: 8/3/2009			RunNo: 125346		
Client ID: ZZZZZZ		Batch ID: 54616		SW5030		Analysis Date: 8/3/2009			SeqNo: 2350978		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.7	74.7	129				
Surr: 4-Bromofluorobenzene	52.7		50.00		105.4	86	119				
Surr: Dibromofluoromethane	50.1		50.00		100.2	81.7	123				
Surr: Toluene-d8	49.7		50.00		99.3	84.3	114				

Sample ID: 09080060-001EMS		SampType: MS		Units: µg/L		Prep Date: 8/3/2009		RunNo: 125346			
Client ID: P1-WW9MS		Batch ID: 54616		SW5030		Analysis Date: 8/3/2009		SeqNo: 2350991			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.7	2.0	54.00	0	88.3	57.8	125				
Toluene	50.8	5.0	54.00	0	94.1	75.8	123				
Ethylbenzene	51.7	5.0	54.00	0	95.8	72.8	123				
Xylenes, Total	102	5.0	108.0	0	94.9	73	127				
Surr: 1,2-Dichloroethane-d4	48.2		50.00		96.5	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.7	86	119				
Surr: Dibromofluoromethane	49.7		50.00		99.5	81.7	123				
Surr: Toluene-d8	48.9		50.00		97.8	84.3	114				

Sample ID: 09080060-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/3/2009		RunNo: 125346			
Client ID: P1-WW9MSD		Batch ID: 54616		SW5030		Analysis Date: 8/3/2009		SeqNo: 2350992			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.0	2.0	54.00	0	87.0	57.8	125	47.66	1.39	20	
Toluene	49.9	5.0	54.00	0	92.5	75.8	123	50.81	1.73	20	
Ethylbenzene	51.9	5.0	54.00	0	96.1	72.8	123	51.72	0.290	20	
Xylenes, Total	101	5.0	108.0	0	93.5	73	127	102.5	1.44	20	
Surr: 1,2-Dichloroethane-d4	48.8		50.00		97.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.7		50.00		101.4	86	119		0	0	
Surr: Dibromofluoromethane	50.0		50.00		99.9	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		97.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MB-54606	SampType: MBLK	Units: mg/L	Prep Date: 8/3/2009	RunNo: 125342							
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C	Analysis Date: 8/4/2009	SeqNo: 2350919							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	0.0012	0.00200									J
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00256		0.005000		51.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00444		0.01000		44.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00334		0.005000		66.8	39.9	106				
Surr: Phenol-d5	0.00255		0.01000		25.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00324		0.005000		64.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: LCS-54606	SampType: LCS	Units: mg/L			Prep Date: 8/3/2009			RunNo: 125342			
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C			Analysis Date: 8/4/2009			SeqNo: 2350920			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00391	0.00010	0.005000	0	78.2	50.1	103				
Acenaphthylene	0.00451	0.00010	0.005000	0	90.2	53.3	122				
Anthracene	0.00516	0.00010	0.005000	0	103.1	57.4	110				
Benzo(a)anthracene	0.00508	0.00010	0.005000	0	101.6	56	102				
Benzo(a)pyrene	0.00590	0.00010	0.005000	0	117.9	55.4	125				
Benzo(b)fluoranthene	0.00581	0.00010	0.005000	0	116.3	59.3	127				
Benzo(g,h,i)perylene	0.00540	0.00010	0.005000	0	108.0	58.4	125				
Benzo(k)fluoranthene	0.00614	0.00010	0.005000	0	122.8	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00659	0.00200	0.005000	0	131.8	63.2	152				
Chrysene	0.00566	0.00010	0.005000	0	113.2	58.7	118				
Dibenzo(a,h)anthracene	0.00536	0.00010	0.005000	0	107.2	59.3	126				
Diethyl phthalate	0.00550	0.00100	0.005000	0	109.9	55.3	133				
Dimethyl phthalate	0.00458	0.00100	0.005000	0	91.5	55.7	112				
Di-n-butyl phthalate	0.00582	0.00100	0.005000	0	116.5	61.5	130				
Fluoranthene	0.00540	0.00010	0.005000	0	108.0	60.1	117				
Fluorene	0.00476	0.00010	0.005000	0	95.3	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00553	0.00010	0.005000	0	110.6	58.1	123				
m,p-Cresol	0.00356	0.00010	0.005000	0	71.2	17.9	107				
Naphthalene	0.00286	0.00010	0.005000	0	57.2	36.3	97.1				
o-Cresol	0.00397	0.00010	0.005000	0	79.3	20.5	109				
Phenanthrene	0.00533	0.00010	0.005000	0	106.7	55.9	107				
Pyrene	0.00537	0.00010	0.005000	0	107.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.00304		0.005000		60.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00522		0.01000		52.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00378		0.005000		75.6	39.9	106				
Surr: Phenol-d5	0.00357		0.01000		35.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00385		0.005000		77.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: LCSD-54606	SampType: LCSD	Units: mg/L				Prep Date: 8/3/2009			RunNo: 125342		
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C				Analysis Date: 8/4/2009			SeqNo: 2350921		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00394	0.00010	0.005000	0	78.9	50.1	103	0.003912	0.789	50	
Acenaphthylene	0.00439	0.00010	0.005000	0	87.8	53.3	122	0.004511	2.76	50	
Anthracene	0.00457	0.00010	0.005000	0	91.4	57.4	110	0.005155	12.0	50	
Benzo(a)anthracene	0.00464	0.00010	0.005000	0	92.8	56	102	0.005078	9.06	50	
Benzo(a)pyrene	0.00516	0.00010	0.005000	0	103.2	55.4	125	0.005896	13.3	50	
Benzo(b)fluoranthene	0.00496	0.00010	0.005000	0	99.2	59.3	127	0.005813	15.9	50	
Benzo(g,h,i)perylene	0.00479	0.00010	0.005000	0	95.9	58.4	125	0.005402	11.9	50	
Benzo(k)fluoranthene	0.00556	0.00010	0.005000	0	111.2	61.5	125	0.006142	9.91	50	
Bis(2-ethylhexyl)phthalate	0.00624	0.00200	0.005000	0	124.8	63.2	152	0.006588	5.44	50	
Chrysene	0.00543	0.00010	0.005000	0	108.6	58.7	118	0.005660	4.17	50	
Dibenzo(a,h)anthracene	0.00485	0.00010	0.005000	0	97.1	59.3	126	0.005360	9.91	50	
Diethyl phthalate	0.00516	0.00100	0.005000	0	103.3	55.3	133	0.005496	6.25	0	
Dimethyl phthalate	0.00417	0.00100	0.005000	0	83.4	55.7	112	0.004575	9.29	0	
Di-n-butyl phthalate	0.00520	0.00100	0.005000	0	104.0	61.5	130	0.005825	11.3	50	
Fluoranthene	0.00489	0.00010	0.005000	0	97.8	60.1	117	0.005398	9.92	50	
Fluorene	0.00454	0.00010	0.005000	0	90.7	54.1	110	0.004763	4.90	50	
Indeno(1,2,3-cd)pyrene	0.00489	0.00010	0.005000	0	97.8	58.1	123	0.005531	12.3	50	
m,p-Cresol	0.00332	0.00010	0.005000	0	66.4	17.9	107	0.003560	7.04	50	
Naphthalene	0.00250	0.00010	0.005000	0	49.9	36.3	97.1	0.002858	13.5	50	
o-Cresol	0.00384	0.00010	0.005000	0	76.9	20.5	109	0.003966	3.12	50	
Phenanthrene	0.00488	0.00010	0.005000	0	97.6	55.9	107	0.005333	8.87	50	
Pyrene	0.00495	0.00010	0.005000	0	98.9	61.4	116	0.005373	8.26	50	
Surr: 2-Fluorobiphenyl	0.00288		0.005000		57.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00485		0.01000		48.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00339		0.005000		67.8	39.9	106		0	50	
Surr: Phenol-d5	0.00315		0.01000		31.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00337		0.005000		67.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MB-54606	SampType: MBLK	Units: µg/L				Prep Date: 8/3/2009			RunNo: 125432		
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C				Analysis Date: 8/5/2009			SeqNo: 2352970		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	ND	0.100									
Bis(2-ethylhexyl)phthalate	1.6	2.00									J
Surr: 2-Fluorobiphenyl	3.28		5.000		65.6	38.7	129				
Surr: 2-Fluorophenol	5.16		10.00		51.6	25.6	71.8				
Surr: Nitrobenzene-d5	3.77		5.000		75.4	48.1	146				
Surr: Phenol-d5	3.42		10.00		34.2	19.4	46.6				
Surr: p-Terphenyl-d14	4.58		5.000		91.6	51.2	157				

Sample ID: LCS-54606	SampType: LCS	Units: µg/L				Prep Date: 8/3/2009			RunNo: 125432		
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C				Analysis Date: 8/5/2009			SeqNo: 2352971		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.765	0.100	1.000	0	76.5	52.3	108				
Bis(2-ethylhexyl)phthalate	18.5	2.00	20.00	0	92.4	43.4	127				
Surr: 2-Fluorobiphenyl	3.04		5.000		60.8	38.7	129				
Surr: 2-Fluorophenol	4.84		10.00		48.4	25.6	71.8				
Surr: Nitrobenzene-d5	3.85		5.000		77.0	48.1	146				
Surr: Phenol-d5	3.34		10.00		33.4	19.4	46.6				
Surr: p-Terphenyl-d14	4.63		5.000		92.6	51.2	157				

Sample ID: LCSD-54606	SampType: LCSD	Units: µg/L				Prep Date: 8/3/2009			RunNo: 125432		
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C				Analysis Date: 8/5/2009			SeqNo: 2352972		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.825	0.100	1.000	0	82.5	52.3	108	0.7650	7.55	50	
Bis(2-ethylhexyl)phthalate	21.3	2.00	20.00	0	106.7	43.4	127	18.49	14.3	50	
Surr: 2-Fluorobiphenyl	3.34		5.000		66.8	38.7	129		0	50	
Surr: 2-Fluorophenol	5.13		10.00		51.3	25.6	71.8		0	50	
Surr: Nitrobenzene-d5	4.14		5.000		82.8	48.1	146		0	50	
Surr: Phenol-d5	3.58		10.00		35.8	19.4	46.6		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: LCSD-54606	SampType: LCSD	Units: µg/L			Prep Date: 8/3/2009			RunNo: 125432			
Client ID: ZZZZZZ	Batch ID: 54606	SW3510C			Analysis Date: 8/5/2009			SeqNo: 2352972			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl-d14	5.04		5.000		100.8	51.2	157		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09080060

Report Date: 10-Aug-09

Sample ID: MB-R125344		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 125344		
Client ID: ZZZZZZ		Batch ID: R125344			Analysis Date: 8/4/2009			SeqNo: 2350963				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R125344		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 125344		
Client ID: ZZZZZZ		Batch ID: R125344			Analysis Date: 8/4/2009			SeqNo: 2350964				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.095	0.007	0.1000	0	94.7	90	110				
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Sample ID: 09080060-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 125344		
Client ID: P1-WW9MS		Batch ID: R125344			Analysis Date: 8/4/2009			SeqNo: 2350969				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	1.21	0.070	0.05000	1.168	78.5	75	125				
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Sample ID: 09080060-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 125344		
Client ID: P1-WW9MSD		Batch ID: R125344					Analysis Date: 8/4/2009			SeqNo: 2350970	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.21	0.070	0.05000	1.168	93.2	75	125	1.207	0.610	15	
---------	------	-------	---------	-------	------	----	-----	-------	-------	----	--

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080060

Report Date: 10-Aug-09

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

03-Aug-09

Dawn Brantley

Reviewed by:

On:

03-Aug-09

Heather A. White

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 7.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 09487**

09080060

Project Name: AMEREN CHAMPAIGN		Project Mgr.: P. Szama	
Project Number: 62403053		Cost Code: 600000	
Sampler(s): J. Crompton			
Laboratory	Name: Teklab		
	Location: Collinsville		
Sample Number and (depth)	Date	Time	
01 - WW9	8-3-09	1035	
Total Number of Containers		7	
Analyses by Method Name and Number			
BTEX 8260		X	X
SVOC 8270		X	X
RCA Metals		X	X
Total Cyanide		X	X
Ammonia Cyanide		X	X
PH		X	X
BODs		X	X
TSS		X	X
Comments (Field Pb)		1 DAY	
Lab ID #'s		09080060	
Laboratory Temperature upon Receipt		1.6°C	

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid
☐ Metals	Nitric acid (HNO ₃)
☐ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	
Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: P. Szama and L. Horner	
Send Invoice to:	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:	
Carrier / Airbill No.	
Relinquished by:	
Signature	Time
	1330
Date	8-3-09
Received by:	
Signature	Time
	1:30
Date	8/3/09

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler
PE-179 (6/03)

Shaded Areas to be Completed by Lab

August 13, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09080233

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/6/2009 1:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080233

Report Date: 13-Aug-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09080233-001	D1 WW10	5	8/5/2009 3:05:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09080233

Report Date: 13-Aug-09

Cooler Receipt Temp: 1.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080233

Lab ID: 09080233-001

Report Date: 13-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: D1 WW10

Collection Date: 8/5/2009 3:05:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.76		1	8/6/2009 9:58:00 PM	LMK
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		6	mg/L	1	8/6/2009 3:00:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	8/6/2009 7:00:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/7/2009 10:46:14 AM	LAL
Barium	NELAP	0.0050		0.131	mg/L	1	8/7/2009 10:46:14 AM	LAL
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	8/7/2009 10:46:14 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/7/2009 10:46:14 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/7/2009 10:46:14 AM	LAL
Silver	NELAP	0.0100	J	0.0047	mg/L	1	8/7/2009 10:46:14 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	8/7/2009 9:40:54 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Benzo(a)anthracene	NELAP	0.00010		0.00012	mg/L	1	8/7/2009 11:19:00 AM	DMH
Benzo(a)pyrene	NELAP	0.00010		0.00010	mg/L	1	8/7/2009 11:19:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00332	mg/L	1	8/7/2009 11:19:00 AM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Fluorene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
o-Cresol	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/7/2009 11:19:00 AM	DMH
Pyrene	NELAP	0.00010		0.00014	mg/L	1	8/7/2009 11:19:00 AM	DMH
Total PNAs except Naphthalene		0.00013		0.00036	mg/L	1	8/7/2009 11:19:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080233

Lab ID: 09080233-001

Report Date: 13-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: D1 WW10

Collection Date: 8/5/2009 3:05:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		66.2	%REC	1	8/7/2009 11:19:00 AM	DMH
Surr: 2-Fluorophenol		16.8-65.9		44.3	%REC	1	8/7/2009 11:19:00 AM	DMH
Surr: Nitrobenzene-d5		37.6-105		75.2	%REC	1	8/7/2009 11:19:00 AM	DMH
Surr: Phenol-d5		11-42.8		29.6	%REC	1	8/7/2009 11:19:00 AM	DMH
Surr: p-Terphenyl-d14		49-113		60.8	%REC	1	8/7/2009 11:19:00 AM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/6/2009 9:54:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/6/2009 9:54:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	8/6/2009 9:54:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/6/2009 9:54:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		107.6	%REC	1	8/6/2009 9:54:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		99.7	%REC	1	8/6/2009 9:54:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		93.7	%REC	1	8/6/2009 9:54:00 PM	CCF
Surr: Toluene-d8		84.3-114		106.5	%REC	1	8/6/2009 9:54:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/6/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		Interference	mg/L	10	8/7/2009 1:04:49 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide		0.070	S	1.13	mg/L	10	8/7/2009 1:04:49 PM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix spike did not recover within control limits due to matrix interference.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Bis(2-ethylhexyl)phthalate was outside upper QC limits in the LCSD. Marginal Exceedance, LCS is verified per NELAC Appendix D 1.1.2

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09080233-001A	D1 WW10	8/5/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/6/2009 3:59:23 PM	8/7/2009 11:19:00 AM
09080233-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/6/2009 9:58:00 PM
				Standard Methods 18th Ed. 2540 D		8/6/2009 3:00:00 PM
				Standard Methods 18th Ed. 5210 B	8/6/2009 7:00:00 PM	8/6/2009 7:00:00 PM
09080233-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/6/2009 9:41:37 PM	8/7/2009 10:46:14 AM
				SW-846 3020A, Metals by GFAA (Total)	8/6/2009 9:39:18 PM	8/7/2009 9:40:54 AM
				SW-846 7470A (Total)	8/6/2009 3:09:19 PM	8/6/2009
09080233-001D				SW-846 9012A		8/7/2009 1:04:49 PM
				SW-846 9012A (Total)		8/7/2009 1:04:49 PM
09080233-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/6/2009 9:54:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: A_TCND_S_AT_9012A

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: 09080233-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 125541			
Client ID: D1 WW10MS	Batch ID: R125541				Analysis Date: 8/7/2009			SeqNo: 2355557			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.30	0.070	0.05000	1.129	335.4	75	125				S

Sample ID: 09080233-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 125541			
Client ID: D1 WW10MSD	Batch ID: R125541				Analysis Date: 8/7/2009			SeqNo: 2355558			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.35	0.070	0.05000	1.129	448.6	75	125	1.297	4.27	15	S

Sample ID: MB-R125541	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 125541			
Client ID: ZZZZZZ	Batch ID: R125541				Analysis Date: 8/7/2009			SeqNo: 2358188			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R125541	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 125541			
Client ID: ZZZZZZ	Batch ID: R125541				Analysis Date: 8/7/2009			SeqNo: 2358189			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.088	0.007	0.1000	0	88.3	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_BOD_M_AT

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: LCS-54721	SampType: LCS	Units: mg/L			Prep Date: 8/6/2009			RunNo: 125511			
Client ID: ZZZZZZ	Batch ID: 54721	SOP 2030			Analysis Date: 8/6/2009			SeqNo: 2354965			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	203	5	198.0	0	102.5	84.6	115.4				

Sample ID: LCSQC-54721	SampType: LCSQC	Units: mg/L			Prep Date: 8/6/2009			RunNo: 125511			
Client ID: ZZZZZZ	Batch ID: 54721	SOP 2030			Analysis Date: 8/6/2009			SeqNo: 2354966			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	59	5	58.00	0	101.7	62.2	135.5				

Sample ID: 09080233-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 8/6/2009			RunNo: 125511			
Client ID: D1 WW10DUP	Batch ID: 54721	SOP 2030			Analysis Date: 8/6/2009			SeqNo: 2355004			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080233

Report Date: 13-Aug-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R125529	SampType: LCS	Units:			Prep Date:			RunNo: 125529			
Client ID: ZZZZZZ	Batch ID: R125529				Analysis Date: 8/6/2009			SeqNo: 2355289			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				

Sample ID: 09080233-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 125529			
Client ID: D1 WW10DUP	Batch ID: R125529				Analysis Date: 8/6/2009			SeqNo: 2355295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.75	1.00						7.760	0.129	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_TSS_M_AT

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: MB-R125474		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 125474		
Client ID: ZZZZZZ		Batch ID: R125474						Analysis Date: 8/6/2009			SeqNo: 2353931	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R125474		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 125474		
Client ID: ZZZZZZ		Batch ID: R125474			Analysis Date: 8/6/2009			SeqNo: 2353932				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: 09080233-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 125474		
Client ID: D1 WW10DUP		Batch ID: R125474				Analysis Date: 8/6/2009			SeqNo: 2354338		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	5	6						6.000	0	15	J
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 125474			
Client ID: ZZZZZZ	Batch ID: R125474				Analysis Date: 8/6/2009			SeqNo: 2354339			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_GF_ST

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: MB-54702	SampType: MBLK	Units: mg/L	Prep Date: 8/6/2009	RunNo: 125515							
Client ID: ZZZZZZ	Batch ID: 54702	SOP 3044	Analysis Date: 8/7/2009	SeqNo: 2355051							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-54702		SampType: LCS		Units: mg/L		Prep Date: 8/6/2009		RunNo: 125515			
Client ID: ZZZZZZ		Batch ID: 54702		SOP 3044		Analysis Date: 8/7/2009		SeqNo: 2355052			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0163	0.0020	0.01500	0	108.8	80	120			
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Sample ID: 09080233-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/6/2009		RunNo: 125515			
Client ID: D1 WW10MS		Batch ID: 54702		SOP 3044		Analysis Date: 8/7/2009		SeqNo: 2355054			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0195	0.0020	0.01500	0.0005604	125.9	70	130			
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Sample ID: 09080233-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/6/2009		RunNo: 125515			
Client ID: D1 WW10MSD		Batch ID: 54702		SOP 3044		Analysis Date: 8/7/2009		SeqNo: 2355055			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0169	0.0040	0.01500	0.0005604	108.9	70	130	0.01945	14.1	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_ICP_ST

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: MB-54706	SampType: MBLK	Units: mg/L				Prep Date: 8/6/2009			RunNo: 125494		
Client ID: ZZZZZZ	Batch ID: 54706	SOP 3034				Analysis Date: 8/7/2009			SeqNo: 2355020		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54706	SampType: LCS	Units: mg/L				Prep Date: 8/6/2009			RunNo: 125494		
Client ID: ZZZZZZ	Batch ID: 54706	SOP 3034				Analysis Date: 8/7/2009			SeqNo: 2355021		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	105.8	85	115				
Barium	2.13	0.0050	2.000	0	106.4	85	115				
Cadmium	0.0530	0.0020	0.05000	0	106.0	85	115				
Chromium	0.213	0.0100	0.2000	0	106.6	85	115				
Selenium	2.15	0.0500	2.000	0	107.4	85	115				
Silver	0.0506	0.0100	0.05000	0	101.2	85	115				

Sample ID: 09080233-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/6/2009			RunNo: 125494		
Client ID: D1 WW10MS	Batch ID: 54706	SOP 3034				Analysis Date: 8/7/2009			SeqNo: 2355061		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.0	75	125				
Barium	2.12	0.0050	2.000	0.1306	99.2	75	125				
Cadmium	0.0493	0.0020	0.05000	0.0004000	97.8	75	125				
Chromium	0.206	0.0100	0.2000	0	103.2	75	125				
Selenium	2.10	0.0500	2.000	0	104.8	75	125				
Silver	0.0487	0.0100	0.05000	0.004700	88.0	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080233

Report Date: 13-Aug-09

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 09080233-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/6/2009		RunNo: 125494			
Client ID: D1 WW10MSD		Batch ID: 54706		SOP 3034		Analysis Date: 8/7/2009		SeqNo: 2355062			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.3	75	125	2.060	1.25	20	
Barium	2.12	0.0050	2.000	0.1306	99.6	75	125	2.115	0.378	20	
Cadmium	0.0495	0.0020	0.05000	0.0004000	98.2	75	125	0.04930	0.405	20	
Chromium	0.206	0.0100	0.2000	0	103.0	75	125	0.2065	0.291	20	
Selenium	2.07	0.0500	2.000	0	103.4	75	125	2.097	1.34	20	
Silver	0.0487	0.0100	0.05000	0.004700	88.0	75	125	0.04870	0	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_HG_AQ_S

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: MB-54707	SampType: MBLK	Units: mg/L			Prep Date: 8/6/2009			RunNo: 125482			
Client ID: ZZZZZZ	Batch ID: 54707	SOP 3062			Analysis Date: 8/6/2009			SeqNo: 2354453			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-54707	SampType: LCS	Units: mg/L			Prep Date: 8/6/2009			RunNo: 125482			
Client ID: ZZZZZZ	Batch ID: 54707	SOP 3062			Analysis Date: 8/6/2009			SeqNo: 2354454			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00539	0.00020	0.005000	0	107.8	85	115				

Sample ID: 09080233-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/6/2009			RunNo: 125482		
Client ID: D1 WW10MS		Batch ID: 54707		SOP 3062		Analysis Date: 8/6/2009			SeqNo: 2354456		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00466	0.00020	0.005000	0	93.2	75	125				

Sample ID: 09080233-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 8/6/2009			RunNo: 125482		
Client ID: D1 WW10MSD	Batch ID: 54707	SOP 3062				Analysis Date: 8/6/2009			SeqNo: 2354457		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00452	0.00020	0.005000	0	90.4	75	125	0.004660	3.05	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: MB-54710	SampType: MBLK	Units: mg/L			Prep Date: 8/6/2009			RunNo: 125519			
Client ID: ZZZZZZ	Batch ID: 54710	SW3510C			Analysis Date: 8/7/2009			SeqNo: 2355073			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00288		0.005000		57.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00517		0.01000		51.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00401		0.005000		80.2	39.9	106				
Surr: Phenol-d5	0.00369		0.01000		36.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00374		0.005000		74.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: LCS-54710	SampType: LCS	Units: mg/L			Prep Date: 8/6/2009	RunNo: 125519					
Client ID: ZZZZZZ	Batch ID: 54710	SW3510C			Analysis Date: 8/7/2009	SeqNo: 2355074					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00300	0.00010	0.005000	0	60.0	50.1	103				
Acenaphthylene	0.00336	0.00010	0.005000	0	67.2	53.3	122				
Anthracene	0.00356	0.00010	0.005000	0	71.2	57.4	110				
Benzo(a)anthracene	0.00356	0.00010	0.005000	0	71.2	56	102				
Benzo(a)pyrene	0.00384	0.00010	0.005000	0	76.7	55.4	125				
Benzo(b)fluoranthene	0.00397	0.00010	0.005000	0	79.5	59.3	127				
Benzo(g,h,i)perylene	0.00378	0.00010	0.005000	0	75.6	58.4	125				
Benzo(k)fluoranthene	0.00423	0.00010	0.005000	0	84.5	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00534	0.00200	0.005000	0	106.8	63.2	152				
Chrysene	0.00420	0.00010	0.005000	0	84.1	58.7	118				
Dibenzo(a,h)anthracene	0.00363	0.00010	0.005000	0	72.7	59.3	126				
Diethyl phthalate	0.00430	0.00100	0.005000	0	85.9	55.3	133				
Dimethyl phthalate	0.00385	0.00100	0.005000	0	77.1	55.7	112				
Di-n-butyl phthalate	0.00411	0.00100	0.005000	0	82.2	61.5	130				
Fluoranthene	0.00338	0.00010	0.005000	0	67.5	60.1	117				
Fluorene	0.00360	0.00010	0.005000	0	71.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00378	0.00010	0.005000	0	75.6	58.1	123				
m,p-Cresol	0.00275	0.00010	0.005000	0	54.9	17.9	107				
Naphthalene	0.00212	0.00010	0.005000	0	42.5	36.3	97.1				
o-Cresol	0.00335	0.00010	0.005000	0	66.9	20.5	109				
Phenanthrene	0.00367	0.00010	0.005000	0	73.4	55.9	107				
Pyrene	0.00349	0.00010	0.005000	0	69.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.00279		0.005000		55.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00500		0.01000		50.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00377		0.005000		75.4	39.9	106				
Surr: Phenol-d5	0.00322		0.01000		32.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00314		0.005000		62.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: LCSD-54710		SampType: LCSD		Units: mg/L		Prep Date: 8/6/2009		RunNo: 125519			
Client ID: ZZZZZZ		Batch ID: 54710		SW3510C		Analysis Date: 8/7/2009		SeqNo: 2355075			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00313	0.00010	0.005000	0	62.7	50.1	103	0.003000	4.34	50	
Acenaphthylene	0.00348	0.00010	0.005000	0	69.7	53.3	122	0.003362	3.59	50	
Anthracene	0.00384	0.00010	0.005000	0	76.8	57.4	110	0.003561	7.54	50	
Benzo(a)anthracene	0.00378	0.00010	0.005000	0	75.6	56	102	0.003559	6.00	50	
Benzo(a)pyrene	0.00406	0.00010	0.005000	0	81.3	55.4	125	0.003837	5.72	50	
Benzo(b)fluoranthene	0.00395	0.00010	0.005000	0	79.0	59.3	127	0.003974	0.555	50	
Benzo(g,h,i)perylene	0.00374	0.00010	0.005000	0	74.7	58.4	125	0.003780	1.14	50	
Benzo(k)fluoranthene	0.00415	0.00010	0.005000	0	83.0	61.5	125	0.004226	1.77	50	
Bis(2-ethylhexyl)phthalate	0.00794	0.00200	0.005000	0	158.9	63.2	152	0.005341	39.2	50	S
Chrysene	0.00431	0.00010	0.005000	0	86.2	58.7	118	0.004203	2.56	50	
Dibenzo(a,h)anthracene	0.00372	0.00010	0.005000	0	74.3	59.3	126	0.003634	2.20	50	
Diethyl phthalate	0.00405	0.00100	0.005000	0	81.1	55.3	133	0.004295	5.80	0	
Dimethyl phthalate	0.00374	0.00100	0.005000	0	74.9	55.7	112	0.003854	2.87	0	
Di-n-butyl phthalate	0.00451	0.00100	0.005000	0	90.1	61.5	130	0.004110	9.21	50	
Fluoranthene	0.00383	0.00010	0.005000	0	76.5	60.1	117	0.003375	12.5	50	
Fluorene	0.00358	0.00010	0.005000	0	71.7	54.1	110	0.003596	0.334	50	
Indeno(1,2,3-cd)pyrene	0.00386	0.00010	0.005000	0	77.3	58.1	123	0.003782	2.14	50	
m,p-Cresol	0.00270	0.00010	0.005000	0	54.0	17.9	107	0.002747	1.65	50	
Naphthalene	0.00237	0.00010	0.005000	0	47.4	36.3	97.1	0.002124	10.9	50	
o-Cresol	0.00344	0.00010	0.005000	0	68.7	20.5	109	0.003345	2.71	50	
Phenanthrene	0.00393	0.00010	0.005000	0	78.6	55.9	107	0.003671	6.81	50	
Pyrene	0.00389	0.00010	0.005000	0	77.8	61.4	116	0.003491	10.8	50	
Surr: 2-Fluorobiphenyl	0.00268		0.005000		53.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00479		0.01000		47.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00353		0.005000		70.6	39.9	106		0	50	
Surr: Phenol-d5	0.00311		0.01000		31.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00330		0.005000		66.0	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: LCS-T090806-1	SampType: LCS	Units: µg/L				Prep Date: 8/6/2009			RunNo: 125531		
Client ID: ZZZZZZ	Batch ID: 54733	SW5030				Analysis Date: 8/6/2009			SeqNo: 2355313		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.7	2.0	50.00	0	89.5	82.7	117				
Toluene	50.3	5.0	50.00	0	100.6	79.6	116				
Ethylbenzene	48.2	5.0	50.00	0	96.3	83	113				
Xylenes, Total	98.1	5.0	100.0	0	98.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	55.3		50.00		110.6	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119				
Surr: Dibromofluoromethane	48.4		50.00		96.8	81.7	123				
Surr: Toluene-d8	54.9		50.00		109.9	84.3	114				

Sample ID: LCSD-T090806-1	SampType: LCSD	Units: µg/L				Prep Date: 8/6/2009			RunNo: 125531		
Client ID: ZZZZZZ	Batch ID: 54733	SW5030				Analysis Date: 8/6/2009			SeqNo: 2355314		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.8	2.0	50.00	0	93.7	82.7	117	44.74	4.56	20	
Toluene	52.3	5.0	50.00	0	104.6	79.6	116	50.29	3.94	20	
Ethylbenzene	49.5	5.0	50.00	0	99.0	83	113	48.16	2.72	20	
Xylenes, Total	102	5.0	100.0	0	102.4	80.3	120	98.10	4.32	0	
Surr: 1,2-Dichloroethane-d4	54.9		50.00		109.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.2		50.00		100.4	86	119		0	0	
Surr: Dibromofluoromethane	48.4		50.00		96.9	81.7	123		0	0	
Surr: Toluene-d8	54.8		50.00		109.6	84.3	114		0	0	

Sample ID: MBLK-T090806-1	SampType: MBLK	Units: µg/L				Prep Date: 8/6/2009			RunNo: 125531		
Client ID: ZZZZZZ	Batch ID: 54733	SW5030				Analysis Date: 8/6/2009			SeqNo: 2355315		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 09080233

Report Date: 13-Aug-09

Sample ID: MBLK-T090806-1	SampType: MBLK	Units: µg/L			Prep Date: 8/6/2009			RunNo: 125531			
Client ID: ZZZZZZ	Batch ID: 54733	SW5030			Analysis Date: 8/6/2009			SeqNo: 2355315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.7		50.00		107.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.6	86	119				
Surr: Dibromofluoromethane	47.5		50.00		94.9	81.7	123				
Surr: Toluene-d8	54.5		50.00		109.1	84.3	114				

Sample ID: 09080233-001EMS	SampType: MS	Units: µg/L				Prep Date: 8/6/2009			RunNo: 125531		
Client ID: D1 WW10MS	Batch ID: 54733	SW5030				Analysis Date: 8/6/2009			SeqNo: 2355317		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	57.1	2.0	56.00	0	102.0	57.8	125				
Toluene	63.7	5.0	56.00	0	113.8	75.8	123				
Ethylbenzene	59.6	5.0	56.00	0	106.4	72.8	123				
Xylenes, Total	112	5.0	112.0	0	100	73	127				
Surr: 1,2-Dichloroethane-d4	54.9		50.00		109.8	74.7	129				
Surr: 4-Bromofluorobenzene	51.5		50.00		103.0	86	119				
Surr: Dibromofluoromethane	47.5		50.00		95.0	81.7	123				
Surr: Toluene-d8	52.8		50.00		105.7	84.3	114				

Sample ID: 09080233-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 8/6/2009			RunNo: 125531		
Client ID: D1 WW10MSD	Batch ID: 54733	SW5030				Analysis Date: 8/6/2009			SeqNo: 2355318		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	58.3	2.0	56.00	0	104.1	57.8	125	57.11	2.05	20	
Toluene	64.2	5.0	56.00	0	114.7	75.8	123	63.72	0.782	20	
Ethylbenzene	62.3	5.0	56.00	0	111.3	72.8	123	59.57	4.50	20	
Xylenes, Total	117	5.0	112.0	0	104.1	73	127	112.0	4.06	20	
Surr: 1,2-Dichloroethane-d4	55.1		50.00		110.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.8		50.00		103.7	86	119		0	0	
Surr: Dibromofluoromethane	48.3		50.00		96.6	81.7	123		0	0	
Surr: Toluene-d8	53.1		50.00		106.2	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080233

Report Date: 13-Aug-09

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

06-Aug-09

Dawn Brantley

Reviewed by:

On:

06-Aug-09

Heather A. White

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 09488**
89080233

Project Name: Amcren CHAMPAIGN		Project Mgr.: P. Szazama	
Project Number: 62403053		Cost Code: 600000	
Sampler(s): J. Crompton			
Laboratory			
Name: Teklab			
Location: Collinsville			
Sample Number and (depth)	Date	Time	
P1-WW10	8-5-09	1505	
Total Number of Containers			
7			
Matrix			
Soil			
Water			
Air			
Wipes			
Other *			
BTEX 8d60		X	
SVOC 8d70		X	
RCA Metals		X	
Total Cyanide		X	
Amcren Cyanide		X	
PH		X	
BODs		X	
TSS		X	
Comments (Field PID)			
Toklab, Inc.			
Courier Pick Up			
Lab ID #'s			
89080233			

Laboratory
Temperature upon
Receipt
1-8°C

Headspace
DB 8/6/09

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid
☐ Metals	Nitric acid (HNO ₃)
☐ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	
Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: P. Szazama and L. Hoosier	
Send Invoice to:	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature		Signature	
		8-6-09 10:05		8/6/09 10:05	
		8/6/09 1:50 PM		8/6/09 1350	

August 20, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09080743

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/19/2009 7:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080743

Report Date: 20-Aug-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09080743-001	P1WW-11	5	8/19/2009 2:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09080743

Report Date: 20-Aug-09

Cooler Receipt Temp: 4.5 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080743

Lab ID: 09080743-001

Report Date: 20-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-11

Collection Date: 8/19/2009 2:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.65		1	8/19/2009 11:47:00 PM	LMK
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	8/19/2009 10:00:00 PM	MAB
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/20/2009 11:14:15 AM	LAL
Barium	NELAP	0.0050		0.163	mg/L	1	8/20/2009 11:14:15 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	8/20/2009 11:14:15 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/20/2009 11:14:15 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/20/2009 11:14:15 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/20/2009 11:14:15 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	8/20/2009 10:57:08 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0013	mg/L	1	8/20/2009 12:02:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	8/20/2009 12:02:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		69.0	%REC	1	8/20/2009 12:02:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.2	%REC	1	8/20/2009 12:02:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080743

Lab ID: 09080743-001

Report Date: 20-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-11

Collection Date: 8/19/2009 2:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105		71.6	%REC	1	8/20/2009 12:02:00 PM	MAV
Surr: Phenol-d5		11-42.8		23.9	%REC	1	8/20/2009 12:02:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		70.1	%REC	1	8/20/2009 12:02:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/20/2009 11:59:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/20/2009 11:59:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	8/20/2009 11:59:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/20/2009 11:59:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		105.0	%REC	1	8/20/2009 11:59:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		100	%REC	1	8/20/2009 11:59:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		100.3	%REC	1	8/20/2009 11:59:00 AM	CCF
Surr: Toluene-d8		84.3-114		96.7	%REC	1	8/20/2009 11:59:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/20/2009	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		10.0		< 10.0	mg/L	1000	8/20/2009 1:55:52 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	7.00	S	7.27	mg/L	1000	8/20/2009 1:55:52 PM	RCE

Sample Narrative

SW-846 9012A

Elevated reporting limit due to sample composition.

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 62403053**Lab Order:** 09080743**Report Date:** 20-Aug-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09080743-001A	P1WW-11	8/19/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/20/2009 8:55:23 AM	8/20/2009 12:02:00 PM
09080743-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/19/2009 11:47:00 PM
				Standard Methods 18th Ed. 2540 D		8/19/2009 10:00:00 PM
09080743-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/19/2009 8:28:37 PM	8/20/2009 11:14:15 AM
				SW-846 3020A, Metals by GFAA (Total)	8/19/2009 8:27:22 PM	8/20/2009 10:57:08 AM
				SW-846 7470A (Total)	8/19/2009 8:00:00 PM	8/20/2009
09080743-001D				SW-846 9012A		8/20/2009 1:55:52 PM
				SW-846 9012A (Total)		8/20/2009 1:55:52 PM
09080743-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/20/2009 11:59:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MB-R126021		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 126021		
Client ID: ZZZZZZ		Batch ID: R126021					Analysis Date: 8/19/2009			SeqNo: 2366070	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R126021		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 126021		
Client ID: ZZZZZZ		Batch ID: R126021			Analysis Date: 8/19/2009			SeqNo: 2366071				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 126021		
Client ID: ZZZZZZ		Batch ID: R126021			Analysis Date: 8/19/2009			SeqNo: 2366091				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 126021		
Client ID: ZZZZZZ		Batch ID: R126021			Analysis Date: 8/19/2009			SeqNo: 2366110				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	85	6	100.0	0	85.0	85	115				
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Sample ID: 09080743-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 126021		
Client ID: P1WW-11DUP		Batch ID: R126021		Analysis Date: 8/19/2009						SeqNo: 2366112	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 126021			
Client ID: ZZZZZZ	Batch ID: R126021				Analysis Date: 8/19/2009			SeqNo: 2366113			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	98	6	100.0	0	98.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: LCS-R125991	SampType: LCS	Units:			Prep Date:			RunNo: 125991			
Client ID: ZZZZZZ	Batch ID: R125991				Analysis Date: 8/19/2009			SeqNo: 2365300			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.95	1.00	7.000	0	99.3	99.1	100.9				
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Sample ID: 09080743-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 125991			
Client ID: P1WW-11DUP		Batch ID: R125991				Analysis Date: 8/19/2009			SeqNo: 2366678			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.65	1.00						7.650	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MB-54974	SampType: MBLK	Units: mg/L			Prep Date: 8/19/2009			RunNo: 126005			
Client ID: ZZZZZZ	Batch ID: 54974	SOP 3034			Analysis Date: 8/20/2009			SeqNo: 2365929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-54974	SampType: LCS	Units: mg/L			Prep Date: 8/19/2009			RunNo: 126005			
Client ID: ZZZZZZ	Batch ID: 54974	SOP 3034			Analysis Date: 8/20/2009			SeqNo: 2365930			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	104.8	85	115				
Barium	2.08	0.0050	2.000	0	104.2	85	115				
Cadmium	0.0522	0.0020	0.05000	0	104.4	85	115				
Chromium	0.209	0.0100	0.2000	0	104.4	85	115				
Selenium	2.19	0.0500	2.000	0	109.7	85	115				
Silver	0.0522	0.0100	0.05000	0	104.4	85	115				

Sample ID: 09080743-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/19/2009			RunNo: 126005		
Client ID: P1WW-11MS	Batch ID: 54974	SOP 3034				Analysis Date: 8/20/2009			SeqNo: 2365966		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.02	0.0250	2.000	0	101.2	75	125				
Barium	2.07	0.0050	2.000	0.1633	95.3	75	125				
Cadmium	0.0468	0.0020	0.05000	0	93.6	75	125				
Chromium	0.200	0.0100	0.2000	0	99.8	75	125				
Selenium	2.10	0.0500	2.000	0	105.2	75	125				
Silver	0.0495	0.0100	0.05000	0	99.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: 09080743-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/19/2009		RunNo: 126005			
Client ID: P1WW-11MSD		Batch ID: 54974		SOP 3034		Analysis Date: 8/20/2009		SeqNo: 2365967			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	107.0	75	125	2.024	5.57	20	
Barium	2.17	0.0050	2.000	0.1633	100.2	75	125	2.070	4.62	20	
Cadmium	0.0496	0.0020	0.05000	0	99.2	75	125	0.04680	5.81	20	
Chromium	0.209	0.0100	0.2000	0	104.4	75	125	0.1997	4.46	20	
Selenium	2.21	0.0500	2.000	0	110.6	75	125	2.104	4.96	20	
Silver	0.0502	0.0100	0.05000	0	100.4	75	125	0.04950	1.40	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MB-54973		SampType: MBLK		Units: mg/L		Prep Date: 8/19/2009		RunNo: 126024			
Client ID: ZZZZZZ		Batch ID: 54973		SOP 3044		Analysis Date: 8/20/2009		SeqNo: 2366160			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-54973		SampType: LCS		Units: mg/L		Prep Date: 8/19/2009		RunNo: 126024			
Client ID: ZZZZZZ		Batch ID: 54973		SOP 3044		Analysis Date: 8/20/2009		SeqNo: 2366161			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0166	0.0020	0.01500	0	110.5	80	120			
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Sample ID: 09080743-001CMS	SampType: MS	Units: mg/L	Prep Date: 8/19/2009	RunNo: 126024							
Client ID: P1WW-11MS	Batch ID: 54973	SOP 3044	Analysis Date: 8/20/2009	SeqNo: 2366163							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0164	0.0020	0.01500	0	109.6	70	130			
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Sample ID: 09080743-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/19/2009			RunNo: 126024		
Client ID: P1WW-11MSD		Batch ID: 54973		SOP 3044		Analysis Date: 8/20/2009			SeqNo: 2366164		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0159	0.0020	0.01500	0	106.1	70	130	0.01644	3.25	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MB-54978		SampType: MBLK			Units: mg/L		Prep Date: 8/19/2009			RunNo: 126012		
Client ID: ZZZZZZ		Batch ID: 54978			SOP 3062		Analysis Date: 8/20/2009			SeqNo: 2365900		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-54978		SampType: LCS			Units: mg/L		Prep Date: 8/19/2009			RunNo: 126012		
Client ID: ZZZZZZ		Batch ID: 54978			SOP 3062		Analysis Date: 8/20/2009			SeqNo: 2365901		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00475	0.00020	0.005000	0	95.0	85	115				
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Sample ID: 09080743-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/19/2009		RunNo: 126012			
Client ID: P1WW-11MS		Batch ID: 54978		SOP 3062		Analysis Date: 8/20/2009		SeqNo: 2365903			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00402	0.00020	0.005000	0	80.4	75	125				
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Sample ID: 09080743-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/19/2009			RunNo: 126012		
Client ID: P1WW-11MSD		Batch ID: 54978		SOP 3062		Analysis Date: 8/20/2009			SeqNo: 2365904		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00396	0.00020	0.005000	0	79.2	75	125	0.004020	1.50	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: LCS-N090820-1	SampType: LCS	Units: µg/L			Prep Date: 8/20/2009			RunNo: 126034			
Client ID: ZZZZZZ	Batch ID: 54998	SW5030			Analysis Date: 8/20/2009			SeqNo: 2366352			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.4	2.0	50.00	0	92.7	82.7	117				
Ethylbenzene	47.6	5.0	50.00	0	95.1	83	113				
Toluene	47.5	5.0	50.00	0	94.9	79.6	116				
Xylenes, Total	94.4	5.0	100.0	0	94.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.4		50.00		102.7	74.7	129				
Surr: 4-Bromofluorobenzene	50.1		50.00		100.2	86	119				
Surr: Dibromofluoromethane	49.9		50.00		99.7	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.2	84.3	114				

Sample ID: LCSD-N090820-1	SampType: LCSD	Units: µg/L			Prep Date: 8/20/2009			RunNo: 126034			
Client ID: ZZZZZZ	Batch ID: 54998	SW5030			Analysis Date: 8/20/2009			SeqNo: 2366353			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.3	2.0	50.00	0	90.7	82.7	117	46.36	2.22	20	
Ethylbenzene	45.9	5.0	50.00	0	91.8	83	113	47.57	3.62	20	
Toluene	46.0	5.0	50.00	0	91.9	79.6	116	47.47	3.25	20	
Xylenes, Total	90.9	5.0	100.0	0	90.9	80.3	120	94.35	3.74	20	
Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.6		50.00		99.3	86	119		0	0	
Surr: Dibromofluoromethane	51.0		50.00		102.0	81.7	123		0	0	
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114		0	0	

Sample ID: MBLK-N090820-1	SampType: MBLK	Units: µg/L			Prep Date: 8/20/2009			RunNo: 126034			
Client ID: ZZZZZZ	Batch ID: 54998	SW5030			Analysis Date: 8/20/2009			SeqNo: 2366354			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MBLK-N090820-1	SampType: MBLK	Units: µg/L				Prep Date: 8/20/2009				RunNo: 126034		
Client ID: ZZZZZZ	Batch ID: 54998	SW5030				Analysis Date: 8/20/2009				SeqNo: 2366354		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.0	74.7	129				
Surr: 4-Bromofluorobenzene	49.6		50.00		99.2	86	119				
Surr: Dibromofluoromethane	50.4		50.00		100.8	81.7	123				
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114				

Sample ID: 09080743-001EMS		SampType: MS			Units: µg/L		Prep Date: 8/20/2009			RunNo: 126034		
Client ID: P1WW-11MS		Batch ID: 54998			SW5030		Analysis Date: 8/20/2009			SeqNo: 2366356		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	51.2	2.0	54.00	0	94.8	57.8	125				
Toluene	50.9	5.0	54.00	0	94.2	75.8	123				
Ethylbenzene	50.3	5.0	54.00	0	93.2	72.8	123				
Xylenes, Total	97.0	5.0	108.0	0	89.8	73	127				
Surr: 1,2-Dichloroethane-d4	52.9		50.00		105.8	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100.1	86	119				
Surr: Dibromofluoromethane	50.4		50.00		100.9	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.4	84.3	114				

Sample ID: 09080743-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/20/2009			RunNo: 126034		
Client ID: P1WW-11MSD		Batch ID: 54998		SW5030		Analysis Date: 8/20/2009			SeqNo: 2366357		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	51.5	2.0	54.00	0	95.4	57.8	125	51.19	0.643	20	
Toluene	52.3	5.0	54.00	0	96.9	75.8	123	50.89	2.77	20	
Ethylbenzene	51.7	5.0	54.00	0	95.7	72.8	123	50.32	2.67	20	
Xylenes, Total	101	5.0	108.0	0	93.7	73	127	96.95	4.28	20	
Surr: 1,2-Dichloroethane-d4	52.8		50.00		105.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.5		50.00		99.0	86	119		0	0	
Surr: Dibromofluoromethane	50.4		50.00		100.8	81.7	123		0	0	
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MB-54977	SampType: MBLK	Units: mg/L			Prep Date: 8/19/2009			RunNo: 126047			
Client ID: ZZZZZZ	Batch ID: 54977	SW3510C			Analysis Date: 8/20/2009			SeqNo: 2366659			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0158		0.02500		63.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0225		0.05000		45.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0174		0.02500		69.5	39.9	106				
Surr: Phenol-d5	0.0141		0.05000		28.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.0198		0.02500		79.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: LCS-54977	SampType: LCS	Units: mg/L			Prep Date: 8/19/2009			RunNo: 126047			
Client ID: ZZZZZZ	Batch ID: 54977	SW3510C			Analysis Date: 8/20/2009			SeqNo: 2366660			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00389	0.00010	0.005000	0	77.9	50.1	103				
Acenaphthylene	0.00422	0.00010	0.005000	0	84.3	53.3	122				
Anthracene	0.00404	0.00010	0.005000	0	80.9	57.4	110				
Benzo(a)anthracene	0.00391	0.00010	0.005000	0	78.3	56	102				
Benzo(a)pyrene	0.00420	0.00010	0.005000	0	84.0	55.4	125				
Benzo(b)fluoranthene	0.00469	0.00010	0.005000	0	93.8	59.3	127				
Benzo(g,h,i)perylene	0.00429	0.00010	0.005000	0	85.7	58.4	125				
Benzo(k)fluoranthene	0.00451	0.00010	0.005000	0	90.1	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00516	0.00200	0.005000	0	103.2	63.2	152				
Chrysene	0.00464	0.00010	0.005000	0	92.8	58.7	118				
Dibenzo(a,h)anthracene	0.00422	0.00010	0.005000	0	84.4	59.3	126				
Diethyl phthalate	0.00453	0.00100	0.005000	0	90.5	55.3	133				
Dimethyl phthalate	0.00426	0.00100	0.005000	0	85.2	55.7	112				
Di-n-butyl phthalate	0.00449	0.00100	0.005000	0	89.7	61.5	130				
Fluoranthene	0.00415	0.00010	0.005000	0	83.0	60.1	117				
Fluorene	0.00396	0.00010	0.005000	0	79.2	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00455	0.00010	0.005000	0	91.0	58.1	123				
m,p-Cresol	0.00309	0.00010	0.005000	0	61.8	17.9	107				
Naphthalene	0.00342	0.00010	0.005000	0	68.3	36.3	97.1				
o-Cresol	0.00382	0.00010	0.005000	0	76.5	20.5	109				
Phenanthrene	0.00401	0.00010	0.005000	0	80.3	55.9	107				
Pyrene	0.00409	0.00010	0.005000	0	81.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.0187		0.02500		74.8	41.9	97.9				
Surr: 2-Fluorophenol	0.0272		0.05000		54.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.0198		0.02500		79.2	39.9	106				
Surr: Phenol-d5	0.0166		0.05000		33.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0214		0.02500		85.7	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: LCSD-54977		SampType: LCSD		Units: mg/L		Prep Date: 8/19/2009		RunNo: 126047			
Client ID: ZZZZZZ		Batch ID: 54977		SW3510C		Analysis Date: 8/20/2009		SeqNo: 2366661			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00372	0.00010	0.005000	0	74.4	50.1	103	0.003893	4.57	50	
Acenaphthylene	0.00386	0.00010	0.005000	0	77.2	53.3	122	0.004215	8.77	50	
Anthracene	0.00414	0.00010	0.005000	0	82.8	57.4	110	0.004045	2.37	50	
Benzo(a)anthracene	0.00392	0.00010	0.005000	0	78.4	56	102	0.003914	0.204	50	
Benzo(a)pyrene	0.00429	0.00010	0.005000	0	85.7	55.4	125	0.004202	2.00	50	
Benzo(b)fluoranthene	0.00470	0.00010	0.005000	0	94.1	59.3	127	0.004692	0.255	50	
Benzo(g,h,i)perylene	0.00416	0.00010	0.005000	0	83.1	58.4	125	0.004286	3.08	50	
Benzo(k)fluoranthene	0.00448	0.00010	0.005000	0	89.5	61.5	125	0.004506	0.668	50	
Bis(2-ethylhexyl)phthalate	0.00597	0.00200	0.005000	0	119.4	63.2	152	0.005162	14.5	50	
Chrysene	0.00443	0.00010	0.005000	0	88.6	58.7	118	0.004641	4.61	50	
Dibenzo(a,h)anthracene	0.00413	0.00010	0.005000	0	82.7	59.3	126	0.004220	2.08	50	
Diethyl phthalate	0.00430	0.00100	0.005000	0	86.1	55.3	133	0.004525	4.98	0	
Dimethyl phthalate	0.00402	0.00100	0.005000	0	80.4	55.7	112	0.004260	5.82	0	
Di-n-butyl phthalate	0.00440	0.00100	0.005000	0	88.0	61.5	130	0.004486	1.91	50	
Fluoranthene	0.00416	0.00010	0.005000	0	83.2	60.1	117	0.004148	0.313	50	
Fluorene	0.00380	0.00010	0.005000	0	76.1	54.1	110	0.003958	3.94	50	
Indeno(1,2,3-cd)pyrene	0.00453	0.00010	0.005000	0	90.7	58.1	123	0.004549	0.352	50	
m,p-Cresol	0.00287	0.00010	0.005000	0	57.4	17.9	107	0.003088	7.28	50	
Naphthalene	0.00336	0.00010	0.005000	0	67.2	36.3	97.1	0.003417	1.65	50	
o-Cresol	0.00354	0.00010	0.005000	0	70.9	20.5	109	0.003823	7.55	50	
Phenanthrene	0.00398	0.00010	0.005000	0	79.6	55.9	107	0.004013	0.801	50	
Pyrene	0.00404	0.00010	0.005000	0	80.9	61.4	116	0.004090	1.13	50	
Surr: 2-Fluorobiphenyl	0.0184		0.02500		73.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0238		0.05000		47.6	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0187		0.02500		74.9	39.9	106		0	50	
Surr: Phenol-d5	0.0161		0.05000		32.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0203		0.02500		81.3	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09080743

Report Date: 20-Aug-09

Sample ID: MB-R126054		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 126054		
Client ID: ZZZZZZ		Batch ID: R126054			Analysis Date: 8/20/2009			SeqNo: 2366733				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R126054		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 126054		
Client ID: ZZZZZZ		Batch ID: R126054			Analysis Date: 8/20/2009			SeqNo: 2366734				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.100	0.007	0.1000	0	99.9	90	110				
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Sample ID: 09080743-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 126054		
Client ID: P1WW-11MS		Batch ID: R126054			Analysis Date: 8/20/2009			SeqNo: 2366736				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	6.1	7.00	0.05000	7.272	-2383	75	125				JS
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Sample ID: 09080743-001DMSD		SampType: MSD			Units: mg/L		Prep Date:			RunNo: 126054		
Client ID: P1WW-11MSD		Batch ID: R126054			Analysis Date: 8/20/2009			SeqNo: 2366737				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	5.9	7.00	0.05000	7.272	-2671	75	125	6.080	0	15	JS
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080743

Report Date: 20-Aug-09

Carrier: Sean Spinner

Received By: EC

Completed by:

On:

19-Aug-09

Erin Clarke

Reviewed by:

On:

20-Aug-09

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.5

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09490

Project Name: <u>Champaign</u>		Project Mgr.: <u>Pete Sarana</u>	
Project Number: <u>602403053</u>		Cost Code: <u>600000</u>	
Sampler(s): <u>L. Hoosier</u>			
Laboratory			
Name: <u>Teklab</u>			
Location: <u>Collinsville</u>			
Sample Number and (depth)	Date	Time	
<u>PT1NW-11</u>	<u>8/19</u>	<u>1400</u>	

Total Number of Containers	Matrix	Soil	Water	Air	Wipes	Other *	BTX (826)	PAH (820 SWS)	PCRA Metals	Total Cyanide	Ammonia Cyanide	PH	TSS	Lab ID #'s
7	X	X	X	X	X	X	X	X	X	X	X	X	X	09080743

Analyses by Method Name and Number	
Comments (Field PID)	
* RUSH	
Teklab, Inc.	
Courier Pick Up	
headsace	
pres. v. 200 8/19/09	

Laboratory Temperature upon Receipt	
41.5	

Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: <u>Pete Sarana and Leslie Hoosier</u>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid
☐ Metals	Nitric acid (HNO ₃)
☐ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify) _____	

Shipping:	
Carrier / Airbill No.	

Relinquished by:	
Signature	Date
<u>Leslie Hoosier</u>	<u>8/19</u>
<u>Pete Sarana</u>	<u>8/19</u>

Received by:	
Signature	Date
<u>Pete Sarana</u>	<u>8/19</u>
<u>Leslie Hoosier</u>	<u>8/19/09 1950</u>

Distribution:	
WHITE to Lab	CANARY to PM
PINK to QA/QC	GREEN to Sampler

Shaded Areas to be Completed by Lab

August 31, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09080936

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/25/2009 12:51:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080936

Report Date: 31-Aug-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09080936-001	P1WW-12	5	8/24/2009 2:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09080936

Report Date: 31-Aug-09

Cooler Receipt Temp: 3.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080936

Lab ID: 09080936-001

Report Date: 31-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-12

Collection Date: 8/24/2009 2:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.50		1	8/25/2009 4:43:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		20	mg/L	1	8/25/2009 1:30:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		17	mg/L	1	8/26/2009 1:55:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/26/2009 10:36:17 AM	LAL
Barium	NELAP	0.0050		0.134	mg/L	1	8/26/2009 10:36:17 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	8/26/2009 10:36:17 AM	LAL
Chromium	NELAP	0.0100	J	0.0046	mg/L	1	8/26/2009 10:36:17 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/26/2009 10:36:17 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/26/2009 10:36:17 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0011	mg/L	1	8/26/2009 9:30:40 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00027	mg/L	1	8/26/2009 2:09:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00015	mg/L	1	8/26/2009 2:09:00 PM	MAV
Anthracene	NELAP	0.00010		0.00018	mg/L	1	8/26/2009 2:09:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00030	mg/L	1	8/26/2009 2:09:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		0.00020	mg/L	1	8/26/2009 2:09:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		0.00021	mg/L	1	8/26/2009 2:09:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		0.00011	mg/L	1	8/26/2009 2:09:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Chrysene	NELAP	0.00010		0.00021	mg/L	1	8/26/2009 2:09:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Fluoranthene	NELAP	0.00010		0.00067	mg/L	1	8/26/2009 2:09:00 PM	MAV
Fluorene	NELAP	0.00010		0.00019	mg/L	1	8/26/2009 2:09:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/26/2009 2:09:00 PM	MAV
Pyrene	NELAP	0.00010		0.00079	mg/L	1	8/26/2009 2:09:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00329	mg/L	1	8/26/2009 2:09:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09080936

Lab ID: 09080936-001

Report Date: 31-Aug-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-12

Collection Date: 8/24/2009 2:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		82.0	%REC	1	8/26/2009 2:09:00 PM	MAN
Surr: 2-Fluorophenol		16.8-65.9		40.4	%REC	1	8/26/2009 2:09:00 PM	MAN
Surr: Nitrobenzene-d5		37.6-105		83.8	%REC	1	8/26/2009 2:09:00 PM	MAN
Surr: Phenol-d5		11-42.8		25.7	%REC	1	8/26/2009 2:09:00 PM	MAN
Surr: p-Terphenyl-d14		49-113		89.0	%REC	1	8/26/2009 2:09:00 PM	MAN
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/25/2009 3:35:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/25/2009 3:35:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	8/25/2009 3:35:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/25/2009 3:35:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		101.2	%REC	1	8/25/2009 3:35:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		99.3	%REC	1	8/25/2009 3:35:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		99.4	%REC	1	8/25/2009 3:35:00 PM	TAL
Surr: Toluene-d8		84.3-114		100.9	%REC	1	8/25/2009 3:35:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/25/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		1.00		Interference	mg/L	100	8/26/2009 8:19:14 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.700	S	2.80	mg/L	100	8/26/2009 8:19:14 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09080936-001A	P1WW-12	8/24/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/25/2009 10:20:21 PM	8/26/2009 2:09:00 PM
09080936-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/25/2009 4:43:00 PM
				Standard Methods 18th Ed. 2540 D		8/25/2009 1:30:00 PM
				Standard Methods 18th Ed. 5210 B	8/26/2009 1:55:00 PM	8/26/2009 1:55:00 PM
09080936-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/25/2009 4:02:26 PM	8/26/2009 10:36:17 AM
				SW-846 3020A, Metals by GFAA (Total)	8/25/2009 4:03:26 PM	8/26/2009 9:30:40 AM
				SW-846 7470A (Total)	8/25/2009 2:34:06 PM	8/25/2009
09080936-001D				SW-846 9012A		8/26/2009 8:19:14 AM
				SW-846 9012A (Total)		8/26/2009 8:19:14 AM
09080936-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/25/2009 3:35:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MB-R126213		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 126213		
Client ID: ZZZZZZ		Batch ID: R126213					Analysis Date: 8/25/2009			SeqNo: 2370312	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R126213		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 126213		
Client ID: ZZZZZZ		Batch ID: R126213			Analysis Date: 8/25/2009			SeqNo: 2370313				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 126213		
Client ID: ZZZZZZ		Batch ID: R126213			Analysis Date: 8/25/2009			SeqNo: 2370335				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	106	6	100.0	0	106.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 126213		
Client ID: ZZZZZZ		Batch ID: R126213			Analysis Date: 8/25/2009			SeqNo: 2370341				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: 09080936-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 126213		
Client ID: P1WW-12DUP		Batch ID: R126213			Analysis Date: 8/25/2009			SeqNo: 2370815				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	19	6						20.00	5.13	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 126213			
Client ID: ZZZZZZ	Batch ID: R126213				Analysis Date: 8/25/2009			SeqNo: 2370816			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: LCS-R126227		SampType: LCS			Units:		Prep Date:			RunNo: 126227		
Client ID: ZZZZZZ		Batch ID: R126227			Analysis Date: 8/25/2009			SeqNo: 2370727				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.98	1.00	7.000	0	99.7	99.1	100.9				
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Sample ID: 09080936-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 126227		
Client ID: P1WW-12DUP		Batch ID: R126227				Analysis Date: 8/25/2009			SeqNo: 2370743		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.50	1.00						7.500	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: LCS-55144	SampType: LCS	Units: mg/L			Prep Date: 8/26/2009			RunNo: 126372			
Client ID: ZZZZZZ	Batch ID: 55144	SOP 2030			Analysis Date: 8/26/2009			SeqNo: 2374439			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	217	5	198.0	0	109.6	84.6	115.4				
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Sample ID: LCSQC-55144	SampType: LCSQC	Units: mg/L			Prep Date: 8/26/2009			RunNo: 126372			
Client ID: ZZZZZZ	Batch ID: 55144	SOP 2030			Analysis Date: 8/26/2009			SeqNo: 2374440			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	65	5	56.40	0	115.2	62	130.4				
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Sample ID: 09080936-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 8/26/2009			RunNo: 126372			
Client ID: P1WW-12DUP	Batch ID: 55144	SOP 2030			Analysis Date: 8/26/2009			SeqNo: 2374445			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	22	5						17.00	25.6	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MB-55089		SampType: MBLK		Units: mg/L		Prep Date: 8/25/2009		RunNo: 126244			
Client ID: ZZZZZZ		Batch ID: 55089		SOP 3034		Analysis Date: 8/26/2009		SeqNo: 2371602			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
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Sample ID: LCS-55089		SampType: LCS			Units: mg/L		Prep Date: 8/25/2009			RunNo: 126244		
Client ID: ZZZZZZ		Batch ID: 55089			SOP 3034		Analysis Date: 8/26/2009			SeqNo: 2371603		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.203	0.0100	0.2000	0	101.4	85	115				
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Sample ID: MB-55089		SampType: MBLK		Units: mg/L		Prep Date: 8/25/2009		RunNo: 126231			
Client ID: ZZZZZZ		Batch ID: 55089		SOP 3034		Analysis Date: 8/26/2009		SeqNo: 2371207			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-55089		SampType: LCS			Units: mg/L		Prep Date: 8/25/2009			RunNo: 126231		
Client ID: ZZZZZZ		Batch ID: 55089			SOP 3034		Analysis Date: 8/26/2009			SeqNo: 2371208		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	2.04	0.0250	2.000	0	102.1	85	115				
Barium	2.05	0.0050	2.000	0	102.7	85	115				
Cadmium	0.0510	0.0020	0.05000	0	102.0	85	115				
Chromium	0.211	0.0100	0.2000	0	105.3	85	115				
Selenium	2.08	0.0500	2.000	0	104.0	85	115				
Silver	0.0483	0.0100	0.05000	0	96.6	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: 09080936-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/25/2009		RunNo: 126231			
Client ID: P1WW-12MS		Batch ID: 55089		SOP 3034		Analysis Date: 8/26/2009		SeqNo: 2371210			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	103.8	75	125				
Barium	2.12	0.0050	2.000	0.1341	99.2	75	125				
Cadmium	0.0494	0.0020	0.05000	0	98.8	75	125				
Chromium	0.206	0.0100	0.2000	0.004600	100.8	75	125				
Selenium	2.12	0.0500	2.000	0	105.8	75	125				
Silver	0.0519	0.0100	0.05000	0	103.8	75	125				

Sample ID: 09080936-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/25/2009		RunNo: 126231			
Client ID: P1WW-12MSD		Batch ID: 55089		SOP 3034		Analysis Date: 8/26/2009		SeqNo: 2371211			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.4	75	125	2.075	1.53	20	
Barium	2.14	0.0050	2.000	0.1341	100.2	75	125	2.118	0.940	20	
Cadmium	0.0502	0.0020	0.05000	0	100.4	75	125	0.04940	1.61	20	
Chromium	0.206	0.0100	0.2000	0.004600	100.8	75	125	0.2062	0.0485	20	
Selenium	2.14	0.0500	2.000	0	107.0	75	125	2.115	1.13	20	
Silver	0.0493	0.0100	0.05000	0	98.6	75	125	0.05190	5.14	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MB-55088		SampType: MBLK		Units: mg/L		Prep Date: 8/25/2009		RunNo: 126237			
Client ID: ZZZZZZ		Batch ID: 55088		SOP 3044		Analysis Date: 8/26/2009		SeqNo: 2370957			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-55088		SampType: LCS		Units: mg/L		Prep Date: 8/25/2009			RunNo: 126237		
Client ID: ZZZZZZ		Batch ID: 55088		SOP 3044		Analysis Date: 8/26/2009			SeqNo: 2370958		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0153	0.0020	0.01500	0	102.1	80	120			
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Sample ID: 09080936-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/25/2009		RunNo: 126237			
Client ID: P1WW-12MS		Batch ID: 55088		SOP 3044		Analysis Date: 8/26/2009		SeqNo: 2370962			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0160	0.0020	0.01500	0.001134	99.2	70	130			
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Sample ID: 09080936-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/25/2009			RunNo: 126237		
Client ID: P1WW-12MSD		Batch ID: 55088		SOP 3044		Analysis Date: 8/26/2009			SeqNo: 2370963		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0160	0.0040	0.01500	0.001134	99.3	70	130	0.01601	0.0574	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MB-55093	SampType: MBLK	Units: mg/L				Prep Date: 8/25/2009			RunNo: 126222		
Client ID: ZZZZZZ	Batch ID: 55093	SOP 3062				Analysis Date: 8/25/2009			SeqNo: 2370628		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-55093	SampType: LCS	Units: mg/L				Prep Date: 8/25/2009			RunNo: 126222		
Client ID: ZZZZZZ	Batch ID: 55093	SOP 3062				Analysis Date: 8/25/2009			SeqNo: 2370629		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00433	0.00020	0.005000	0	86.6	85	115				

Sample ID: MB-55093	SampType: MBLK	Units: mg/L				Prep Date: 8/25/2009			RunNo: 126222		
Client ID: ZZZZZZ	Batch ID: 55093	SOP 3062				Analysis Date: 8/25/2009			SeqNo: 2370626		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-55093	SampType: LCS	Units: mg/L				Prep Date: 8/25/2009			RunNo: 126222		
Client ID: ZZZZZZ	Batch ID: 55093	SOP 3062				Analysis Date: 8/25/2009			SeqNo: 2370627		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00433	0.00020	0.005000	0	86.6	85	115				

Sample ID: 09080936-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/25/2009			RunNo: 126222		
Client ID: P1WW-12MS	Batch ID: 55093	SOP 3062				Analysis Date: 8/25/2009			SeqNo: 2370631		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00386	0.00020	0.005000	0	77.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: 09080936-001CMSD	SampType: MSD	Units: mg/L			Prep Date: 8/25/2009			RunNo: 126222			
Client ID: P1WW-12MSD	Batch ID: 55093	SOP 3062			Analysis Date: 8/25/2009			SeqNo: 2370632			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00386	0.00020	0.005000	0	77.2	75	125	0.003860	0	15	

Sample ID: MB-55093	SampType: MBLK	Units: µg/L			Prep Date: 8/25/2009			RunNo: 126222			
Client ID: ZZZZZZ	Batch ID: 55093	SOP 3062			Analysis Date: 8/25/2009			SeqNo: 2370624			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Sample ID: LCS-55093	SampType: LCS	Units: µg/L			Prep Date: 8/25/2009			RunNo: 126222			
Client ID: ZZZZZZ	Batch ID: 55093	SOP 3062			Analysis Date: 8/25/2009			SeqNo: 2370625			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.33	0.20	5.000	0	86.6	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: LCS-T090825-1	SampType: LCS	Units: µg/L			Prep Date: 8/25/2009			RunNo: 126224			
Client ID: ZZZZZZ	Batch ID: 55112	SW5030			Analysis Date: 8/25/2009			SeqNo: 2370680			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.4	2.0	50.00	0	88.8	82.7	117				
Ethylbenzene	44.2	5.0	50.00	0	88.4	83	113				
Toluene	46.1	5.0	50.00	0	92.2	79.6	116				
Xylenes, Total	90.6	5.0	100.0	0	90.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.2		50.00		100.5	74.7	129				
Surr: 4-Bromofluorobenzene	49.1		50.00		98.2	86	119				
Surr: Dibromofluoromethane	51.3		50.00		102.7	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.1	84.3	114				

Sample ID: LCSD-T090825-1	SampType: LCSD	Units: µg/L			Prep Date: 8/25/2009			RunNo: 126224			
Client ID: ZZZZZZ	Batch ID: 55112	SW5030			Analysis Date: 8/25/2009			SeqNo: 2370681			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.5	2.0	50.00	0	88.9	82.7	117	44.41	0.113	20	
Ethylbenzene	43.5	5.0	50.00	0	86.9	83	113	44.20	1.69	20	
Toluene	45.2	5.0	50.00	0	90.5	79.6	116	46.11	1.93	20	
Xylenes, Total	88.6	5.0	100.0	0	88.6	80.3	120	90.59	2.27	20	
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.8		50.00		99.6	86	119		0	0	
Surr: Dibromofluoromethane	51.1		50.00		102.2	81.7	123		0	0	
Surr: Toluene-d8	50.2		50.00		100.4	84.3	114		0	0	

Sample ID: MBLK-T090825-1	SampType: MBLK	Units: µg/L			Prep Date: 8/25/2009			RunNo: 126224			
Client ID: ZZZZZZ	Batch ID: 55112	SW5030			Analysis Date: 8/25/2009			SeqNo: 2370682			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	2.0									
Toluene	ND	2.0									
Xylenes, Total	ND	2.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MBLK-T090825-1		SampType: MBLK		Units: µg/L		Prep Date: 8/25/2009		RunNo: 126224			
Client ID: ZZZZZZ		Batch ID: 55112		SW5030		Analysis Date: 8/25/2009		SeqNo: 2370682			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.5	86	119				
Surr: Dibromofluoromethane	51.0		50.00		101.9	81.7	123				
Surr: Toluene-d8	50.8		50.00		101.7	84.3	114				

Sample ID: 09080936-001EMS		SampType: MS		Units: µg/L		Prep Date: 8/25/2009		RunNo: 126224			
Client ID: P1WW-12MS		Batch ID: 55112		SW5030		Analysis Date: 8/25/2009		SeqNo: 2370688			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	43.6	2.0	56.00	0	77.8	57.8	125				
Toluene	54.8	5.0	56.00	0	97.9	75.8	123				
Ethylbenzene	56.8	5.0	56.00	0	101.5	72.8	123				
Xylenes, Total	109	5.0	112.0	0	97.1	73	127				
Surr: 1,2-Dichloroethane-d4	51.5		50.00		103.0	74.7	129				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.7	86	119				
Surr: Dibromofluoromethane	50.8		50.00		101.6	81.7	123				
Surr: Toluene-d8	49.4		50.00		98.8	84.3	114				

Sample ID: 09080936-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/25/2009			RunNo: 126224		
Client ID: P1WW-12MSD		Batch ID: 55112		SW5030		Analysis Date: 8/25/2009			SeqNo: 2370689		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	44.6	2.0	56.00	0	79.6	57.8	125	43.56	2.31	20	
Toluene	55.0	5.0	56.00	0	98.2	75.8	123	54.81	0.346	20	
Ethylbenzene	56.9	5.0	56.00	0	101.6	72.8	123	56.85	0.0879	20	
Xylenes, Total	109	5.0	112.0	0	97.5	73	127	108.7	0.468	20	
Surr: 1,2-Dichloroethane-d4	51.0		50.00		102.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	53.1		50.00		106.2	86	119		0	0	
Surr: Dibromofluoromethane	51.2		50.00		102.5	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.1	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MB-55090	SampType: MBLK	Units: mg/L	Prep Date: 8/25/2009	RunNo: 126268							
Client ID: ZZZZZZ	Batch ID: 55090	SW3510C	Analysis Date: 8/26/2009	SeqNo: 2371846							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	0.0011	0.00200									J
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00381		0.005000		76.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00505		0.01000		50.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.00465		0.005000		93.0	39.9	106				
Surr: Phenol-d5	0.00341		0.01000		34.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00494		0.005000		98.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: LCS-55090	SampType: LCS	Units: mg/L			Prep Date: 8/25/2009			RunNo: 126268			
Client ID: ZZZZZZ	Batch ID: 55090	SW3510C			Analysis Date: 8/26/2009			SeqNo: 2371847			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00408	0.00010	0.005000	0	81.6	50.1	103				
Acenaphthylene	0.00427	0.00010	0.005000	0	85.3	53.3	122				
Anthracene	0.00413	0.00010	0.005000	0	82.7	57.4	110				
Benzo(a)anthracene	0.00404	0.00010	0.005000	0	80.9	56	102				
Benzo(a)pyrene	0.00447	0.00010	0.005000	0	89.4	55.4	125				
Benzo(b)fluoranthene	0.00448	0.00010	0.005000	0	89.6	59.3	127				
Benzo(g,h,i)perylene	0.00454	0.00010	0.005000	0	90.8	58.4	125				
Benzo(k)fluoranthene	0.00431	0.00010	0.005000	0	86.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00558	0.00200	0.005000	0	111.6	63.2	152				
Chrysene	0.00457	0.00010	0.005000	0	91.3	58.7	118				
Dibenzo(a,h)anthracene	0.00461	0.00010	0.005000	0	92.3	59.3	126				
Diethyl phthalate	0.00480	0.00100	0.005000	0	95.9	55.3	133				
Dimethyl phthalate	0.00491	0.00100	0.005000	0	98.1	55.7	112				
Di-n-butyl phthalate	0.00470	0.00100	0.005000	0	94.1	61.5	130				
Fluoranthene	0.00458	0.00010	0.005000	0	91.6	60.1	117				
Fluorene	0.00436	0.00010	0.005000	0	87.3	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00470	0.00010	0.005000	0	93.9	58.1	123				
m,p-Cresol	0.00284	0.00010	0.005000	0	56.8	17.9	107				
Naphthalene	0.00389	0.00010	0.005000	0	77.8	36.3	97.1				
o-Cresol	0.00326	0.00010	0.005000	0	65.1	20.5	109				
Phenanthrene	0.00414	0.00010	0.005000	0	82.8	55.9	107				
Pyrene	0.00447	0.00010	0.005000	0	89.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00375		0.005000		75.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00467		0.01000		46.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00428		0.005000		85.6	39.9	106				
Surr: Phenol-d5	0.00303		0.01000		30.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00440		0.005000		88.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: LCSD-55090	SampType: LCSD	Units: mg/L				Prep Date: 8/25/2009			RunNo: 126268		
Client ID: ZZZZZZ	Batch ID: 55090	SW3510C				Analysis Date: 8/26/2009			SeqNo: 2371848		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00303	0.00010	0.005000	0	60.6	50.1	103	0.004078	29.4	50	
Acenaphthylene	0.00321	0.00010	0.005000	0	64.3	53.3	122	0.004267	28.2	50	
Anthracene	0.00314	0.00010	0.005000	0	62.8	57.4	110	0.004134	27.3	50	
Benzo(a)anthracene	0.00311	0.00010	0.005000	0	62.2	56	102	0.004045	26.1	50	
Benzo(a)pyrene	0.00346	0.00010	0.005000	0	69.2	55.4	125	0.004472	25.5	50	
Benzo(b)fluoranthene	0.00350	0.00010	0.005000	0	69.9	59.3	127	0.004481	24.7	50	
Benzo(g,h,i)perylene	0.00353	0.00010	0.005000	0	70.6	58.4	125	0.004542	25.1	50	
Benzo(k)fluoranthene	0.00339	0.00010	0.005000	0	67.8	61.5	125	0.004312	23.9	50	
Bis(2-ethylhexyl)phthalate	0.00571	0.00200	0.005000	0	114.2	63.2	152	0.005582	2.28	50	
Chrysene	0.00351	0.00010	0.005000	0	70.2	58.7	118	0.004567	26.2	50	
Dibenzo(a,h)anthracene	0.00350	0.00010	0.005000	0	70.0	59.3	126	0.004614	27.4	50	
Diethyl phthalate	0.00375	0.00100	0.005000	0	75.0	55.3	133	0.004795	24.5	0	
Dimethyl phthalate	0.00382	0.00100	0.005000	0	76.5	55.7	112	0.004905	24.7	0	
Di-n-butyl phthalate	0.00351	0.00100	0.005000	0	70.1	61.5	130	0.004704	29.2	50	
Fluoranthene	0.00340	0.00010	0.005000	0	68.1	60.1	117	0.004580	29.5	50	
Fluorene	0.00328	0.00010	0.005000	0	65.5	54.1	110	0.004365	28.5	50	
Indeno(1,2,3-cd)pyrene	0.00362	0.00010	0.005000	0	72.4	58.1	123	0.004696	25.9	50	
m,p-Cresol	0.00224	0.00010	0.005000	0	44.8	17.9	107	0.002842	23.7	50	
Naphthalene	0.00285	0.00010	0.005000	0	57.1	36.3	97.1	0.003891	30.8	50	
o-Cresol	0.00260	0.00010	0.005000	0	52.1	20.5	109	0.003256	22.3	50	
Phenanthrene	0.00322	0.00010	0.005000	0	64.3	55.9	107	0.004142	25.2	50	
Pyrene	0.00338	0.00010	0.005000	0	67.6	61.4	116	0.004471	27.8	50	
Surr: 2-Fluorobiphenyl	0.00285		0.005000		57.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00358		0.01000		35.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00324		0.005000		64.8	39.9	106		0	50	
Surr: Phenol-d5	0.00252		0.01000		25.2	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00339		0.005000		67.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09080936

Report Date: 31-Aug-09

Sample ID: MB-R126249		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 126249		
Client ID: ZZZZZZ		Batch ID: R126249			Analysis Date: 8/26/2009			SeqNo: 2371404				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R126249		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 126249		
Client ID: ZZZZZZ		Batch ID: R126249			Analysis Date: 8/26/2009			SeqNo: 2371405				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.094	0.007	0.1000	0	94.1	90	110				
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Sample ID: 09080936-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 126249		
Client ID: P1WW-12MS		Batch ID: R126249			Analysis Date: 8/26/2009			SeqNo: 2371409				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	2.72	0.700	0.05000	2.796	-148.9	75	125				S
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Sample ID: 09080936-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 126249		
Client ID: P1WW-12MSD		Batch ID: R126249					Analysis Date: 8/26/2009			SeqNo: 2371410	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	2.67	0.700	0.05000	2.796	-256.0	75	125	2.721	1.99	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09080936

Report Date: 31-Aug-09

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

25-Aug-09

Marvin L. Darling

Reviewed by:

On:

25-Aug-09

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

September 11, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09090170

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 9/3/2009 12:39:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09090170

Report Date: 11-Sep-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09090170-001	P1WW-13	5	9/2/2009 2:15:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09090170

Report Date: 11-Sep-09

Cooler Receipt Temp: 3.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09090170

Lab ID: 09090170-001

Report Date: 11-Sep-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-13

Collection Date: 9/2/2009 2:15:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.77		1	9/3/2009 6:54:00 PM	LMK
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	9/8/2009 11:40:00 AM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		15	mg/L	1	9/3/2009 5:20:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	9/4/2009 1:50:34 PM	LAL
Barium	NELAP	0.0050		0.118	mg/L	1	9/4/2009 1:50:34 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	9/4/2009 1:50:34 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	9/4/2009 1:50:34 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	9/4/2009 1:50:34 PM	LAL
Silver	NELAP	0.0100	J	0.0047	mg/L	1	9/4/2009 1:50:34 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0037	mg/L	1	9/4/2009 9:22:34 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00012	mg/L	1	9/8/2009 4:14:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Fluoranthene	NELAP	0.00010		0.00018	mg/L	1	9/8/2009 4:14:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	9/8/2009 4:14:00 PM	MAV
Pyrene	NELAP	0.00010		0.00027	mg/L	1	9/8/2009 4:14:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00057	mg/L	1	9/8/2009 4:14:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09090170

Lab ID: 09090170-001

Report Date: 11-Sep-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-13

Collection Date: 9/2/2009 2:15:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		84.0	%REC	1	9/8/2009 4:14:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.2	%REC	1	9/8/2009 4:14:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		87.4	%REC	1	9/8/2009 4:14:00 PM	MAV
Surr: Phenol-d5		11-42.8		23.9	%REC	1	9/8/2009 4:14:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		86.0	%REC	1	9/8/2009 4:14:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	9/3/2009 8:30:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	9/3/2009 8:30:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	9/3/2009 8:30:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	9/3/2009 8:30:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		98.8	%REC	1	9/3/2009 8:30:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		99.6	%REC	1	9/3/2009 8:30:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		102.0	%REC	1	9/3/2009 8:30:00 PM	CCF
Surr: Toluene-d8		84.3-114		99.5	%REC	1	9/3/2009 8:30:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	9/3/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		Interference	mg/L	20	9/9/2009 8:43:14 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	3.28	mg/L	20	9/9/2009 8:43:14 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Dimethyl phthalate is outside of recovery limits in the LCS. Marginal Exceedance, LCS is verified per NELAC Appendix D 1.1.2

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09090170-001A	P1WW-13	9/2/2009	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	9/3/2009 2:07:54 PM	9/8/2009 4:14:00 PM
09090170-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		9/3/2009 6:54:00 PM
				Standard Methods 18th Ed. 2540 D		9/8/2009 11:40:00 AM
				Standard Methods 18th Ed. 5210 B	9/3/2009 5:20:00 PM	9/3/2009 5:20:00 PM
09090170-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	9/3/2009 1:28:53 PM	9/4/2009 1:50:34 PM
				SW-846 3020A, Metals by GFAA (Total)	9/3/2009 1:59:11 PM	9/4/2009 9:22:34 AM
				SW-846 7470A (Total)	9/3/2009 4:35:16 PM	9/3/2009
09090170-001D				SW-846 9012A		9/9/2009 8:43:14 AM
				SW-846 9012A (Total)		9/9/2009 8:43:14 AM
09090170-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		9/3/2009 8:30:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09090170

Report Date: 11-Sep-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R126615		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 126615		
Client ID: ZZZZZZ		Batch ID: R126615			Analysis Date: 9/8/2009			SeqNo: 2379349				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R126615		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 126615		
Client ID: ZZZZZZ		Batch ID: R126615			Analysis Date: 9/8/2009			SeqNo: 2379350				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
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Sample ID: 09090170-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 126615		
Client ID: P1WW-13DUP		Batch ID: R126615					Analysis Date: 9/8/2009			SeqNo: 2379352	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 126615		
Client ID: ZZZZZZ		Batch ID: R126615			Analysis Date: 9/8/2009			SeqNo: 2379371				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 126615				
Client ID: ZZZZZZ	Batch ID: R126615		Analysis Date: 9/8/2009		SeqNo: 2379404						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: LCS-R126592	SampType: LCS	Units:			Prep Date:			RunNo: 126592			
Client ID: ZZZZZZ	Batch ID: R126592				Analysis Date: 9/3/2009			SeqNo: 2378762			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 09090170-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 126592			
Client ID: P1WW-13DUP		Batch ID: R126592				Analysis Date: 9/3/2009		SeqNo: 2378803			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.77	1.00						7.770	0	10	
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Sample ID: LCS-R126592	SampType: LCS	Units:			Prep Date:			RunNo: 126592			
Client ID: ZZZZZZ	Batch ID: R126592				Analysis Date: 9/3/2009			SeqNo: 2378785			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	0	7.000	0	99.9	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: LCS-55302	SampType: LCS	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126599		
Client ID: ZZZZZZ	Batch ID: 55302	SOP 2030				Analysis Date: 9/3/2009			SeqNo: 2378950		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	214	5	198.0	0	108.1	84.6	115.4				

Sample ID: LCSQC-55302	SampType: LCSQC	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126599		
Client ID: ZZZZZZ	Batch ID: 55302	SOP 2030				Analysis Date: 9/3/2009			SeqNo: 2378951		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	60	5	56.40	0	106.4	62	130.4				

Sample ID: 09090170-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126599		
Client ID: P1WW-13DUP	Batch ID: 55302	SOP 2030				Analysis Date: 9/3/2009			SeqNo: 2378977		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	13	5						15.00	14.3	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: MB-55280	SampType: MBLK	Units: mg/L				Prep Date: 9/3/2009				RunNo: 126580		
Client ID: ZZZZZZ	Batch ID: 55280	SOP 3034				Analysis Date: 9/4/2009				SeqNo: 2379045		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100					

Sample ID: LCS-55280	SampType: LCS	Units: mg/L			Prep Date: 9/3/2009			RunNo: 126580			
Client ID: ZZZZZZ	Batch ID: 55280	SOP 3034			Analysis Date: 9/4/2009			SeqNo: 2379046			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.206	0.0100	0.2000	0	102.8	85	115				

Sample ID: MB-55280		SampType: MBLK		Units: mg/L		Prep Date: 9/3/2009		RunNo: 126563			
Client ID: ZZZZZZ		Batch ID: 55280		SOP 3034		Analysis Date: 9/4/2009		SeqNo: 2379010			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-55280		SampType: LCS		Units: mg/L		Prep Date: 9/3/2009			RunNo: 126563		
Client ID: ZZZZZZ		Batch ID: 55280		SOP 3034		Analysis Date: 9/4/2009			SeqNo: 2379013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	105.2	85	115				
Barium	2.07	0.0050	2.000	0	103.6	85	115				
Cadmium	0.0526	0.0020	0.05000	0	105.2	85	115				
Chromium	0.208	0.0100	0.2000	0	103.8	85	115				
Selenium	2.05	0.0500	2.000	0	102.7	85	115				
Silver	0.0482	0.0100	0.05000	0	96.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: 09090170-001CMS		SampType: MS			Units: mg/L		Prep Date: 9/3/2009		RunNo: 126563		
Client ID: P1WW-13MS		Batch ID: 55280			SOP 3034		Analysis Date: 9/4/2009		SeqNo: 2379026		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	102.8	75	125				
Barium	2.06	0.0050	2.000	0.1180	97.2	75	125				
Cadmium	0.0491	0.0020	0.05000	0	98.2	75	125				
Chromium	0.195	0.0100	0.2000	0	97.6	75	125				
Selenium	2.01	0.0500	2.000	0	100.6	75	125				
Silver	0.0516	0.0100	0.05000	0.004700	93.8	75	125				

Sample ID: 09090170-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 9/3/2009		RunNo: 126563		
Client ID: P1WW-13MSD		Batch ID: 55280			SOP 3034		Analysis Date: 9/4/2009		SeqNo: 2379027		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	75	125	2.057	0.485	20	
Barium	2.06	0.0050	2.000	0.1180	97.2	75	125	2.061	0	20	
Cadmium	0.0494	0.0020	0.05000	0	98.8	75	125	0.04910	0.609	20	
Chromium	0.199	0.0100	0.2000	0	99.4	75	125	0.1952	1.83	20	
Selenium	2.02	0.0500	2.000	0	101.0	75	125	2.012	0.347	20	
Silver	0.0483	0.0100	0.05000	0.004700	87.2	75	125	0.05160	6.61	20	

Sample ID: MB-55280		SampType: MBLK			Units: mg/L		Prep Date: 9/3/2009		RunNo: 126563		
Client ID: ZZZZZZ		Batch ID: 55280			SOP 3034		Analysis Date: 9/4/2009		SeqNo: 2379011		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.010000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.010000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: LCS-55280		SampType: LCS			Units: mg/L		Prep Date: 9/3/2009		RunNo: 126563		
Client ID: ZZZZZZ		Batch ID: 55280			SOP 3034		Analysis Date: 9/4/2009		SeqNo: 2379014		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	2.07	0.0050	2.000	0	103.6	85	115				
Cadmium	0.0526	0.0020	0.05000	0	105.2	85	115				
Chromium	0.208	0.0100	0.2000	0	103.8	85	115				
Silver	0.0482	0.0100	0.05000	0	96.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: 09090170-001CMS	SampType: MS	Units: mg/L	Prep Date: 9/3/2009	RunNo: 126566							
Client ID: P1WW-13MS	Batch ID: 55281	SOP 3044	Analysis Date: 9/4/2009	SeqNo: 2378310							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0179	0.0020	0.01500	0.003666	94.7	70	130			
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Sample ID: 09090170-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/3/2009		RunNo: 126566			
Client ID: P1WW-13MSD		Batch ID: 55281		SOP 3044		Analysis Date: 9/4/2009		SeqNo: 2378313			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0173	0.0020	0.01500	0.003666	91.1	70	130	0.01788	3.13	20
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Sample ID: MB-55281	SampType: MBLK	Units: mg/L	Prep Date: 9/3/2009	RunNo: 126566							
Client ID: ZZZZZZ	Batch ID: 55281	SOP 3044	Analysis Date: 9/4/2009	SeqNo: 2378330							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0005	0.0020	0.002000	0	26.2	-100	100			J
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Sample ID: LCS-55281	SampType: LCS	Units: mg/L	Prep Date: 9/3/2009	RunNo: 126566							
Client ID: ZZZZZZ	Batch ID: 55281	SOP 3044	Analysis Date: 9/4/2009	SeqNo: 2378332							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0150	0.0020	0.01500	0	100.1	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: MB-55289	SampType: MBLK	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126550		
Client ID: ZZZZZZ	Batch ID: 55289	SOP 3062				Analysis Date: 9/3/2009			SeqNo: 2378466		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-55289	SampType: LCS	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126550		
Client ID: ZZZZZZ	Batch ID: 55289	SOP 3062				Analysis Date: 9/3/2009			SeqNo: 2378467		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00527	0.00020	0.005000	0	105.4	85	115				

Sample ID: MB-55289	SampType: MBLK	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126550		
Client ID: ZZZZZZ	Batch ID: 55289	SOP 3062				Analysis Date: 9/3/2009			SeqNo: 2378464		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-55289	SampType: LCS	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126550		
Client ID: ZZZZZZ	Batch ID: 55289	SOP 3062				Analysis Date: 9/3/2009			SeqNo: 2378465		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00527	0.00020	0.005000	0	105.4	85	115				

Sample ID: 09090170-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/3/2009			RunNo: 126550		
Client ID: P1WW-13MS	Batch ID: 55289	SOP 3062				Analysis Date: 9/3/2009			SeqNo: 2378476		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00436	0.00020	0.005000	0	87.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: 09090170-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/3/2009			RunNo: 126550		
Client ID: P1WW-13MSD		Batch ID: 55289		SOP 3062		Analysis Date: 9/3/2009			SeqNo: 2378477		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00393	0.00020	0.005000	0	78.6	75	125	0.004360	10.4	15	
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Sample ID: MB-55289		SampType: MBLK		Units: mg/L		Prep Date: 9/3/2009			RunNo: 126550		
Client ID: ZZZZZZ		Batch ID: 55289		SOP 3062		Analysis Date: 9/3/2009			SeqNo: 2378468		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-55289	SampType: LCS	Units: mg/L			Prep Date: 9/3/2009			RunNo: 126550			
Client ID: ZZZZZZ	Batch ID: 55289	SOP 3062			Analysis Date: 9/3/2009			SeqNo: 2378469			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00527	0.00020	0.005000	0	105.4	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: LCS-R090903-1		SampType: LCS		Units: µg/L		Prep Date: 9/3/2009		RunNo: 126568			
Client ID: ZZZZZZ		Batch ID: 55299		SW5030		Analysis Date: 9/3/2009		SeqNo: 2378375			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.0	2.0	50.00	0	90.0	82.7	117				
Ethylbenzene	46.9	5.0	50.00	0	93.7	83	113				
Toluene	46.4	5.0	50.00	0	92.7	79.6	116				
Xylenes, Total	96.0	5.0	100.0	0	96.0	80.3	120				
Surr: 1,2-Dichloroethane-d4	49.4		50.00		98.8	74.7	129				
Surr: 4-Bromofluorobenzene	48.7		50.00		97.4	86	119				
Surr: Dibromofluoromethane	50.2		50.00		100.4	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.7	84.3	114				

Sample ID: LCSD-R090903-1		SampType: LCSD		Units: µg/L		Prep Date: 9/3/2009		RunNo: 126568			
Client ID: ZZZZZZ		Batch ID: 55299		SW5030		Analysis Date: 9/3/2009		SeqNo: 2378376			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.8	2.0	50.00	0	87.5	82.7	117	45.00	2.77	20	
Ethylbenzene	45.7	5.0	50.00	0	91.4	83	113	46.87	2.51	20	
Toluene	45.0	5.0	50.00	0	89.9	79.6	116	46.37	3.11	20	
Xylenes, Total	92.5	5.0	100.0	0	92.5	80.3	120	96.01	3.71	20	
Surr: 1,2-Dichloroethane-d4	49.5		50.00		99.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.4		50.00		96.9	86	119		0	0	
Surr: Dibromofluoromethane	50.4		50.00		100.8	81.7	123		0	0	
Surr: Toluene-d8	49.4		50.00		98.7	84.3	114		0	0	

Sample ID: MBLK-R090903-1		SampType: MBLK		Units: µg/L		Prep Date: 9/3/2009		RunNo: 126568			
Client ID: ZZZZZZ		Batch ID: 55299		SW5030		Analysis Date: 9/3/2009		SeqNo: 2378377			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	2.0									
Toluene	ND	5.0									
Xylenes, Total	ND	0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: MBLK-R090903-1	SampType: MBLK	Units: µg/L				Prep Date: 9/3/2009				RunNo: 126568		
Client ID: ZZZZZZ	Batch ID: 55299	SW5030				Analysis Date: 9/3/2009				SeqNo: 2378377		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.1	74.7	129				
Surr: 4-Bromofluorobenzene	49.7		50.00		99.4	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.1	81.7	123				
Surr: Toluene-d8	49.5		50.00		99.0	84.3	114				

Sample ID: 09090170-001EMS		SampType: MS		Units: µg/L		Prep Date: 9/3/2009		RunNo: 126568			
Client ID: P1WW-13MS		Batch ID: 55299		SW5030		Analysis Date: 9/3/2009		SeqNo: 2378393			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.7	2.0	54.00	0	88.4	57.8	125				
Toluene	52.1	5.0	54.00	0	96.5	75.8	123				
Ethylbenzene	51.6	5.0	54.00	0	95.6	72.8	123				
Xylenes, Total	104	5.0	108.0	0	96.4	73	127				
Surr: 1,2-Dichloroethane-d4	49.2		50.00		98.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.7	86	119				
Surr: Dibromofluoromethane	50.8		50.00		101.5	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: 09090170-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 9/3/2009			RunNo: 126568		
Client ID: P1WW-13MSD		Batch ID: 55299		SW5030		Analysis Date: 9/3/2009			SeqNo: 2378394		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	48.0	2.0	54.00	0	88.9	57.8	125	47.73	0.627	20	
Toluene	52.4	5.0	54.00	0	97.0	75.8	123	52.12	0.479	20	
Ethylbenzene	51.7	5.0	54.00	0	95.8	72.8	123	51.63	0.193	20	
Xylenes, Total	105	5.0	108.0	0	96.9	73	127	104.1	0.517	20	
Surr: 1,2-Dichloroethane-d4	49.8		50.00		99.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119		0	0	
Surr: Dibromofluoromethane	50.8		50.00		101.6	81.7	123		0	0	
Surr: Toluene-d8	49.8		50.00		99.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: MB-55283	SampType: MBLK	Units: mg/L			Prep Date: 9/3/2009			RunNo: 126640			
Client ID: ZZZZZZ	Batch ID: 55283	SW3510C			Analysis Date: 9/8/2009			SeqNo: 2379916			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00382		0.005000		76.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00394		0.01000		39.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00428		0.005000		85.6	39.9	106				
Surr: Phenol-d5	0.00261		0.01000		26.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00446		0.005000		89.2	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: LCS-55283	SampType: LCS			Units: mg/L		Prep Date: 9/3/2009			RunNo: 126640		
Client ID: ZZZZZZ	Batch ID: 55283			SW3510C		Analysis Date: 9/8/2009			SeqNo: 2379917		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00451	0.00010	0.005000	0	90.3	50.1	103				
Acenaphthylene	0.00466	0.00010	0.005000	0	93.2	53.3	122				
Anthracene	0.00468	0.00010	0.005000	0	93.6	57.4	110				
Benzo(a)anthracene	0.00467	0.00010	0.005000	0	93.4	56	102				
Benzo(a)pyrene	0.00540	0.00010	0.005000	0	107.9	55.4	125				
Benzo(b)fluoranthene	0.00541	0.00010	0.005000	0	108.1	59.3	127				
Benzo(g,h,i)perylene	0.00567	0.00010	0.005000	0	113.4	58.4	125				
Benzo(k)fluoranthene	0.00518	0.00010	0.005000	0	103.7	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00556	0.00200	0.005000	0	111.1	63.2	152				
Chrysene	0.00536	0.00010	0.005000	0	107.2	58.7	118				
Dibenzo(a,h)anthracene	0.00580	0.00010	0.005000	0	116.1	59.3	126				
Diethyl phthalate	0.00597	0.00100	0.005000	0	119.5	55.3	133				
Dimethyl phthalate	0.00603	0.00100	0.005000	0	120.6	55.7	112				S
Di-n-butyl phthalate	0.00544	0.00100	0.005000	0	108.8	61.5	130				
Fluoranthene	0.00519	0.00010	0.005000	0	103.8	60.1	117				
Fluorene	0.00503	0.00010	0.005000	0	100.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00592	0.00010	0.005000	0	118.4	58.1	123				
m,p-Cresol	0.00280	0.00010	0.005000	0	56.1	17.9	107				
Naphthalene	0.00365	0.00010	0.005000	0	72.9	36.3	97.1				
o-Cresol	0.00345	0.00010	0.005000	0	68.9	20.5	109				
Phenanthrene	0.00468	0.00010	0.005000	0	93.6	55.9	107				
Pyrene	0.00518	0.00010	0.005000	0	103.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00374		0.005000		74.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00411		0.01000		41.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00442		0.005000		88.4	39.9	106				
Surr: Phenol-d5	0.00281		0.01000		28.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00497		0.005000		99.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: LCSD-55283		SampType: LCSD		Units: mg/L		Prep Date: 9/3/2009		RunNo: 126640			
Client ID: ZZZZZZ		Batch ID: 55283		SW3510C		Analysis Date: 9/8/2009		SeqNo: 2379918			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00396	0.00010	0.005000	0	79.1	50.1	103	0.004513	13.1	50	
Acenaphthylene	0.00403	0.00010	0.005000	0	80.5	53.3	122	0.004661	14.6	50	
Anthracene	0.00438	0.00010	0.005000	0	87.6	57.4	110	0.004680	6.65	50	
Benzo(a)anthracene	0.00410	0.00010	0.005000	0	81.9	56	102	0.004669	13.1	50	
Benzo(a)pyrene	0.00469	0.00010	0.005000	0	93.8	55.4	125	0.005397	14.1	50	
Benzo(b)fluoranthene	0.00472	0.00010	0.005000	0	94.5	59.3	127	0.005406	13.5	50	
Benzo(g,h,i)perylene	0.00503	0.00010	0.005000	0	100.6	58.4	125	0.005671	12.0	50	
Benzo(k)fluoranthene	0.00469	0.00010	0.005000	0	93.8	61.5	125	0.005183	10.0	50	
Bis(2-ethylhexyl)phthalate	0.00502	0.00200	0.005000	0	100.5	63.2	152	0.005556	10.1	50	
Chrysene	0.00463	0.00010	0.005000	0	92.6	58.7	118	0.005361	14.7	50	
Dibenzo(a,h)anthracene	0.00512	0.00010	0.005000	0	102.5	59.3	126	0.005804	12.5	50	
Diethyl phthalate	0.00517	0.00100	0.005000	0	103.4	55.3	133	0.005974	14.4	0	
Dimethyl phthalate	0.00552	0.00100	0.005000	0	110.3	55.7	112	0.006032	8.95	0	
Di-n-butyl phthalate	0.00499	0.00100	0.005000	0	99.7	61.5	130	0.005441	8.73	50	
Fluoranthene	0.00476	0.00010	0.005000	0	95.2	60.1	117	0.005190	8.64	50	
Fluorene	0.00447	0.00010	0.005000	0	89.3	54.1	110	0.005030	11.9	50	
Indeno(1,2,3-cd)pyrene	0.00526	0.00010	0.005000	0	105.3	58.1	123	0.005918	11.7	50	
m,p-Cresol	0.00263	0.00010	0.005000	0	52.6	17.9	107	0.002804	6.33	50	
Naphthalene	0.00317	0.00010	0.005000	0	63.4	36.3	97.1	0.003647	14.0	50	
o-Cresol	0.00312	0.00010	0.005000	0	62.5	20.5	109	0.003446	9.77	50	
Phenanthrene	0.00419	0.00010	0.005000	0	83.7	55.9	107	0.004678	11.1	50	
Pyrene	0.00469	0.00010	0.005000	0	93.8	61.4	116	0.005184	10.0	50	
Surr: 2-Fluorobiphenyl	0.00333		0.005000		66.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00369		0.01000		36.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00396		0.005000		79.2	39.9	106		0	50	
Surr: Phenol-d5	0.00259		0.01000		25.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00445		0.005000		89.0	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09090170

Report Date: 11-Sep-09

Sample ID: 09090170-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 126702			
Client ID: P1WW-13MS	Batch ID: R126702				Analysis Date: 9/9/2009			SeqNo: 2380890			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	3.39	0.140	0.05000	3.282	225.4	75	125				S

Sample ID: 09090170-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 126702			
Client ID: P1WW-13MSD	Batch ID: R126702				Analysis Date: 9/9/2009			SeqNo: 2380891			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	3.56	0.140	0.05000	3.282	553.6	75	125	3.395	4.72	15	S

Sample ID: MB-R126702	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 126702			
Client ID: ZZZZZZ	Batch ID: R126702				Analysis Date: 9/9/2009			SeqNo: 2380893			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R126702	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 126702			
Client ID: ZZZZZZ	Batch ID: R126702				Analysis Date: 9/9/2009			SeqNo: 2380894			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.093	0.007	0.1000	0	93.1	90	110				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09090170

Report Date: 11-Sep-09

Carrier: Leslie Hoosier

Received By: EC

Completed by:

On:

03-Sep-09

Elizabeth A. Hurley

Elizabeth A. Hurley

Reviewed by:

On:

03-Sep-09

Heather A. White

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09496

09090170

Project Name: <u>Amaren Champagne</u> Project Mgr.: <u>Pete Sarzana</u>		Analyses by Method Name and Number	
Project Number: <u>624-0968-0170</u> Cost Code: <u>50002</u>			
Sampler(s): <u>L. Hoosier</u>			
Laboratory	Name: <u>Teklab</u>		
	Location: <u>Collinsville</u>		
Sample Number and (depth): <u>PLNW-13</u>			
Date: <u>9/2/14</u>			
Time: <u>1415</u>			
Matrix			
Soil			
Water			
Air			
Wipes			
Other *			
Total Number of Containers		7	
BTX		X	X
PAH		X	X
KCH Metals		X	X
Total Cyanide		X	X
Ammonia Cyanide		X	X
PH		X	X
ISS		X	X
BOD5		X	X
Comments (Field PID)			
Lab ID #'s			

Laboratory Temperature upon Receipt
3.0 14E

Phadapra
pass, 1/28/14 11/3/14

09090170-001

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid
☐ Metals	Nitric acid (HNO ₃)
☐ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify) _____	
Lab Directives:	
Requested TAT: ☐ Rush ☒ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: <u>Pete Sarzana and Leslie Hoosier</u>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No. _____		Signature <u>Leslie Hoosier</u> Date <u>9/3</u> Time <u>1239</u>		Signature <u>Eric C. Le</u> Date <u>9/3/09</u> Time <u>1239</u>	

September 14, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: Ameren Champaign 624-0908-0120-J0002

WorkOrder: 09090428

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 9/11/2009 4:56:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 09090428

Report Date: 14-Sep-09

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09090428-001	P1-WW13C	1	9/11/2009 11:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

LabOrder: 09090428

Report Date: 14-Sep-09

CASE NARRATIVE

Cooler Receipt Temp: 5.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 09090428**Lab ID:** 09090428-001**Report Date:** 14-Sep-09**Client Project:** Ameren Champaign 624-0908-0120-J**Client Sample ID:** P1-WW13C**Collection Date:** 9/11/2009 11:20:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		1.00		Interference	mg/L	100	9/14/2009 9:48:04 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.700	S	2.79	mg/L	100	9/14/2009 9:48:04 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 09090428

Report Date: 14-Sep-09

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09090428-001A	P1-WW13C	9/11/2009	Aqueous	SW-846 9012A		9/14/2009 9:48:04 AM
				SW-846 9012A (Total)		9/14/2009 9:48:04 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 09090428

Report Date: 14-Sep-09

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCND_S_AT_9012A

Sample ID: MB-R126812		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 126812		
Client ID: ZZZZZZ		Batch ID: R126812					Analysis Date: 9/14/2009			SeqNo: 2383113	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R126812		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 126812		
Client ID: ZZZZZZ		Batch ID: R126812						Analysis Date: 9/14/2009			SeqNo: 2383114	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.093	0.007	0.1000	0	93.3	90	110				
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Sample ID: 09090428-001AMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 126812		
Client ID: P1-WW13CMS		Batch ID: R126812			Analysis Date: 9/14/2009			SeqNo: 2383118				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	2.98	0.700	0.05000	2.792	372.1	75	125				S
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Sample ID: 09090428-001AMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 126812		
Client ID: P1-WW13CMSD		Batch ID: R126812					Analysis Date: 9/14/2009			SeqNo: 2383119	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	3.06	0.700	0.05000	2.792	539.7	75	125	2.978	2.77	15	S
---------	------	-------	---------	-------	-------	----	-----	-------	------	----	---

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 09090428

Report Date: 14-Sep-09

Carrier: Pete Sazama

Received By: EAH

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

11-Sep-09

11-Sep-09

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

pg. ___ of ___ **Work Order #09090478**pg. ___ of ___ **Work Order #09090478**

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 5.6 °C
Preserved in: ☐ Lab ☒ Field FOR LAB USE ONLY
Lab Notes: ZAH 9/11/09

ADT

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☒ No
- Are these samples known to be hazardous? ☐ Yes ☐ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

[illegible]

WHITE & YELLOW - LAB PINK - SAMPLER'S COPY

October 05, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 09091064

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 9/29/2009 4:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09091064-001	P1WW-13C2	5	9/28/2009 1:20:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 09091064

Report Date: 05-Oct-09

Cooler Receipt Temp: 1.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09091064

Lab ID: 09091064-001

Report Date: 05-Oct-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P1WW-13C2

Collection Date: 9/28/2009 1:20:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.50		1	10/1/2009 4:54:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	9	mg/L	1	10/1/2009 12:30:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		34	mg/L	1	9/30/2009 12:20:00 PM	HMH
<u>SW-846 9012A (TOTAL) MODIFIED</u>								
Cyanide		0.070		3.93	mg/L	10	10/1/2009 8:59:15 AM	RCE
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	9/30/2009 10:04:35 PM	JMW
Barium	NELAP	0.0050		0.106	mg/L	1	9/30/2009 10:04:35 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	9/30/2009 10:04:35 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	9/30/2009 10:04:35 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	9/30/2009 10:04:35 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	9/30/2009 10:04:35 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	10/2/2009 12:27:06 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00208	J	0.0015	mg/L	1	10/2/2009 5:40:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Diethyl phthalate	NELAP	0.00104		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Dimethyl phthalate	NELAP	0.00104		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00104		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS**Client:** PSC Industrial Outsourcing, LP**WorkOrder:** 09091064**Lab ID:** 09091064-001**Report Date:** 05-Oct-09**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** P1WW-13C2**Collection Date:** 9/28/2009 1:20:00 PM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Total PNAs except Naphthalene		0.00014		ND	mg/L	1	10/2/2009 5:40:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		76.8	%REC	1	10/2/2009 5:40:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		43.3	%REC	1	10/2/2009 5:40:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		72.2	%REC	1	10/2/2009 5:40:00 PM	MAV
Surr: Phenol-d5		11-42.8		28.7	%REC	1	10/2/2009 5:40:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		85.0	%REC	1	10/2/2009 5:40:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/2/2009 5:11:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/2/2009 5:11:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	10/2/2009 5:11:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/2/2009 5:11:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		106.3	%REC	1	10/2/2009 5:11:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		95.6	%REC	1	10/2/2009 5:11:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		100.2	%REC	1	10/2/2009 5:11:00 AM	CCF
Surr: Toluene-d8		84.3-114		101.0	%REC	1	10/2/2009 5:11:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	9/30/2009	ALU
<u>SW-846 9012A MODIFIED</u>								
Cyanide, Amenable to Chlorination		0.070		3.49	mg/L	10	10/1/2009 8:59:15 AM	RCE

Sample Narrative

SW-846 9012A (Total) Modified

Results of MSD has less certainty because value exceeds upper quantitation limits.

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09091064-001A	P1WW-13C2	9/28/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	9/30/2009 4:13:54 PM	10/2/2009 5:40:00 PM
09091064-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/1/2009 4:54:00 PM
				Standard Methods 18th Ed. 2540 D		10/1/2009 12:30:00 PM
				Standard Methods 18th Ed. 5210 B	9/30/2009 12:20:00 PM	9/30/2009 12:20:00 PM
09091064-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	9/30/2009 9:06:08 AM	9/30/2009 10:04:35 PM
				SW-846 3020A, Metals by GFAA (Total)	9/30/2009 2:42:04 PM	10/1/2009 5:42:56 PM
				SW-846 3020A, Metals by GFAA (Total)	9/30/2009 2:42:04 PM	10/2/2009 12:27:06 PM
				SW-846 7470A (Total)	9/30/2009 2:00:00 PM	9/30/2009
09091064-001D				SW-846 9012A (Total) Modified		10/1/2009 8:59:15 AM
				SW-846 9012A Modified		10/1/2009 8:59:15 AM
09091064-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/2/2009 5:11:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCN_S_AT_9012A

Sample ID: MB-R127444	SampType: MBLK	Units: mg/L				Prep Date:				RunNo: 127444		
Client ID: ZZZZZZ	Batch ID: R127444					Analysis Date: 10/1/2009				SeqNo: 2397132		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R127444	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 127444		
Client ID: ZZZZZZ	Batch ID: R127444					Analysis Date: 10/1/2009				SeqNo: 2397133		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.102	0.007	0.1000	0	102.4	85	115					

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 127444		
Client ID: ZZZZZZ	Batch ID: R127444					Analysis Date: 10/1/2009				SeqNo: 2397146		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.093	0.007	0.1000	0	93.5	70	120					

Sample ID: 09091064-001DMS	SampType: MS	Units: mg/L				Prep Date:				RunNo: 127444		
Client ID: P1WW-13C2MS	Batch ID: R127444					Analysis Date: 10/1/2009				SeqNo: 2398140		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	4.85	0.070	1.000	3.929	92.2	75	125					

Sample ID: 09091064-001DMSD	SampType: MSD	Units: mg/L				Prep Date:				RunNo: 127444		
Client ID: P1WW-13C2MSD	Batch ID: R127444					Analysis Date: 10/1/2009				SeqNo: 2398141		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	5.16	0.070	1.000	3.929	123.4	75	125	4.851	6.23	15	E	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-55759		SampType: LCS		Units: mg/L		Prep Date: 9/30/2009			RunNo: 127396		
Client ID: ZZZZZZ		Batch ID: 55759		SOP 2030		Analysis Date: 9/30/2009			SeqNo: 2396146		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	208	5	198.0	0	105.1	84.6	115.4
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Sample ID: LCSQC-55759	SampType: LCSQC	Units: mg/L	Prep Date: 9/30/2009	RunNo: 127396							
Client ID: ZZZZZZ	Batch ID: 55759	SOP 2030	Analysis Date: 9/30/2009	SeqNo: 2396147							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	49	5	56.40	0	86.9	62	130.4
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Sample ID: 09091064-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 9/30/2009			RunNo: 127396		
Client ID: P1WW-13C2DUP		Batch ID: 55759		SOP 2030		Analysis Date: 9/30/2009			SeqNo: 2396162		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	34	5						34.00	0	40
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: 09091064-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 127466				
Client ID: P1WW-13C2DUP	Batch ID: R127466				Analysis Date: 10/1/2009			SeqNo: 2398217				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.52	1.00						7.500	0.266	10		

Sample ID: LCS-R127466	SampType: LCS	Units:			Prep Date:			RunNo: 127466				
Client ID: ZZZZZZ	Batch ID: R127466				Analysis Date: 10/1/2009			SeqNo: 2398306				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_TSS_M_AT

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: MB-R127457	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 127457		
Client ID: ZZZZZZ	Batch ID: R127457					Analysis Date: 10/1/2009			SeqNo: 2397426		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R127457	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 127457		
Client ID: ZZZZZZ	Batch ID: R127457					Analysis Date: 10/1/2009			SeqNo: 2397427		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	97	6	100.0	0	97.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 127457		
Client ID: ZZZZZZ	Batch ID: R127457					Analysis Date: 10/1/2009			SeqNo: 2397448		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	96	6	100.0	0	96.0	85	115				

Sample ID: 09091064-001BDUP	SampType: DUP	Units: mg/L				Prep Date:			RunNo: 127457		
Client ID: P1WW-13C2DUP	Batch ID: R127457					Analysis Date: 10/1/2009			SeqNo: 2397452		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	11	6						9.000	20.0	15	R

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 127457		
Client ID: ZZZZZZ	Batch ID: R127457					Analysis Date: 10/1/2009			SeqNo: 2397469		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	93	6	100.0	0	93.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 127457		
Client ID: ZZZZZZ	Batch ID: R127457					Analysis Date: 10/1/2009			SeqNo: 2397483		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 127457			
Client ID: ZZZZZZ	Batch ID: R127457				Analysis Date: 10/1/2009			SeqNo: 2397483			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	96	6	100.0	0	96.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 127457			
Client ID: ZZZZZZ	Batch ID: R127457				Analysis Date: 10/1/2009			SeqNo: 2397499			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	93	6	100.0	0	93.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_GF_ST

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: MB-55761		SampType: MBLK			Units: mg/L		Prep Date: 9/30/2009			RunNo: 127483		
Client ID: ZZZZZZ		Batch ID: 55761			SOP 3044		Analysis Date: 10/1/2009			SeqNo: 2398448		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-55761		SampType: LCS			Units: mg/L		Prep Date: 9/30/2009			RunNo: 127483		
Client ID: ZZZZZZ		Batch ID: 55761			SOP 3044		Analysis Date: 10/1/2009			SeqNo: 2398450		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0173	0.0020	0.01500	0	115.6	80	120				

Sample ID: MB-55761		SampType: MBLK			Units: mg/L		Prep Date: 9/30/2009			RunNo: 127517		
Client ID: ZZZZZZ		Batch ID: 55761			SOP 3044		Analysis Date: 10/2/2009			SeqNo: 2399235		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-55761		SampType: LCS			Units: mg/L		Prep Date: 9/30/2009			RunNo: 127517		
Client ID: ZZZZZZ		Batch ID: 55761			SOP 3044		Analysis Date: 10/2/2009			SeqNo: 2399236		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0176	0.0020	0.01500	0	117.3	80	120				

Sample ID: 09091064-001CMS		SampType: MS			Units: mg/L		Prep Date: 9/30/2009			RunNo: 127517		
Client ID: P1WW-13C2MS		Batch ID: 55761			SOP 3044		Analysis Date: 10/2/2009			SeqNo: 2399238		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0172	0.0020	0.01500	0.0004601	111.4	70	130				

Sample ID: 09091064-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 9/30/2009			RunNo: 127517		
Client ID: P1WW-13C2MSD		Batch ID: 55761			SOP 3044		Analysis Date: 10/2/2009			SeqNo: 2399239		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: 09091064-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/30/2009		RunNo: 127517				
Client ID: P1WW-13C2MSD		Batch ID: 55761		SOP 3044		Analysis Date: 10/2/2009		SeqNo: 2399239				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0170	0.0020	0.01500	0.0004601	110.6	70	130	0.01717	0.707	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_ICP_ST

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: MB-55751	SampType: MBLK	Units: mg/L				Prep Date: 9/30/2009			RunNo: 127405		
Client ID: ZZZZZZ	Batch ID: 55751	SOP 3034				Analysis Date: 9/30/2009			SeqNo: 2396434		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-55751	SampType: LCS	Units: mg/L				Prep Date: 9/30/2009			RunNo: 127405		
Client ID: ZZZZZZ	Batch ID: 55751	SOP 3034				Analysis Date: 9/30/2009			SeqNo: 2396437		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0250	2.000	0	101.7	85	115				
Barium	2.01	0.0050	2.000	0	100.7	85	115				
Cadmium	0.0511	0.0020	0.05000	0	102.2	85	115				
Chromium	0.201	0.0100	0.2000	0	100.4	85	115				
Selenium	2.02	0.0500	2.000	0	100.8	85	115				
Silver	0.0481	0.0100	0.05000	0	96.2	85	115				

Sample ID: 09091064-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/30/2009			RunNo: 127405		
Client ID: P1WW-13C2MS	Batch ID: 55751	SOP 3034				Analysis Date: 9/30/2009			SeqNo: 2396451		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.2	75	125				
Barium	2.02	0.0050	2.000	0.1062	95.9	75	125				
Cadmium	0.0490	0.0020	0.05000	0	98.0	75	125				
Chromium	0.192	0.0100	0.2000	0	96.0	75	125				
Selenium	2.04	0.0500	2.000	0	102.2	75	125				
Silver	0.0499	0.0100	0.05000	0	99.8	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 09091064-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/30/2009		RunNo: 127405			
Client ID: P1WW-13C2MSD		Batch ID: 55751		SOP 3034		Analysis Date: 9/30/2009		SeqNo: 2396452			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	105.0	75	125	2.043	2.80	20	
Barium	2.07	0.0050	2.000	0.1062	98.1	75	125	2.025	2.10	20	
Cadmium	0.0501	0.0020	0.05000	0	100.2	75	125	0.04900	2.22	20	
Chromium	0.200	0.0100	0.2000	0	100	75	125	0.1921	3.98	20	
Selenium	2.10	0.0500	2.000	0	105.0	75	125	2.044	2.70	20	
Silver	0.0505	0.0100	0.05000	0	101.0	75	125	0.04990	1.20	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_HG_AQ_S

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: MB-55764		SampType: MBLK		Units: mg/L		Prep Date: 9/30/2009			RunNo: 127401		
Client ID: ZZZZZZ		Batch ID: 55764		SOP 3062		Analysis Date: 9/30/2009			SeqNo: 2396310		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-55764	SampType: LCS	Units: mg/L			Prep Date: 9/30/2009			RunNo: 127401			
Client ID: ZZZZZZ	Batch ID: 55764	SOP 3062			Analysis Date: 9/30/2009			SeqNo: 2396315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00523	0.00020	0.005000	0	104.6	85	115				

Sample ID: 09091064-001CMS		SampType: MS		Units: mg/L		Prep Date: 9/30/2009			RunNo: 127401		
Client ID: P1WW-13C2MS		Batch ID: 55764		SOP 3062		Analysis Date: 9/30/2009			SeqNo: 2396319		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00448	0.00020	0.005000	0	89.6	75	125				

Sample ID: 09091064-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/30/2009			RunNo: 127401		
Client ID: P1WW-13C2MSD		Batch ID: 55764		SOP 3062		Analysis Date: 9/30/2009			SeqNo: 2396320		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00451	0.00020	0.005000	0	90.2	75	125	0.004480	0.667	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: LCS-55767	SampType: LCS	Units: mg/L			Prep Date: 9/30/2009			RunNo: 127436			
Client ID: ZZZZZZ	Batch ID: 55767	SW3510C			Analysis Date: 10/1/2009			SeqNo: 2398627			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00302	0.00010	0.005000	0	60.4	50.1	103				
Acenaphthylene	0.00332	0.00010	0.005000	0	66.3	53.3	122				
Anthracene	0.00367	0.00010	0.005000	0	73.4	57.4	110				
Benzo(a)anthracene	0.00369	0.00010	0.005000	0	73.8	56	102				
Benzo(a)pyrene	0.00398	0.00010	0.005000	0	79.7	55.4	125				
Benzo(b)fluoranthene	0.00387	0.00010	0.005000	0	77.3	59.3	127				
Benzo(g,h,i)perylene	0.00393	0.00010	0.005000	0	78.7	58.4	125				
Benzo(k)fluoranthene	0.00411	0.00010	0.005000	0	82.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00518	0.00200	0.005000	0	103.6	63.2	152				
Chrysene	0.00419	0.00010	0.005000	0	83.8	58.7	118				
Dibenzo(a,h)anthracene	0.00389	0.00010	0.005000	0	77.8	59.3	126				
Diethyl phthalate	0.00397	0.00100	0.005000	0	79.4	55.3	133				
Dimethyl phthalate	0.00400	0.00100	0.005000	0	79.9	55.7	112				
Di-n-butyl phthalate	0.00421	0.00100	0.005000	0	84.1	61.5	130				
Fluoranthene	0.00393	0.00010	0.005000	0	78.5	60.1	117				
Fluorene	0.00332	0.00010	0.005000	0	66.3	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00398	0.00010	0.005000	0	79.6	58.1	123				
m,p-Cresol	0.00245	0.00010	0.005000	0	48.9	17.9	107				
Naphthalene	0.00242	0.00010	0.005000	0	48.4	36.3	97.1				
o-Cresol	0.00293	0.00010	0.005000	0	58.6	20.5	109				
Phenanthrene	0.00362	0.00010	0.005000	0	72.5	55.9	107				
Pyrene	0.00388	0.00010	0.005000	0	77.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00275		0.005000		55.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00391		0.01000		39.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00297		0.005000		59.4	39.9	106				
Surr: Phenol-d5	0.00270		0.01000		27.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00332		0.005000		66.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: LCSD-55767		SampType: LCSD		Units: mg/L		Prep Date: 9/30/2009		RunNo: 127436			
Client ID: ZZZZZZ		Batch ID: 55767		SW3510C		Analysis Date: 10/1/2009		SeqNo: 2398628			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00380	0.00010	0.005000	0	76.0	50.1	103	0.003019	23.0	50	
Acenaphthylene	0.00426	0.00010	0.005000	0	85.2	53.3	122	0.003315	25.0	50	
Anthracene	0.00431	0.00010	0.005000	0	86.3	57.4	110	0.003669	16.2	50	
Benzo(a)anthracene	0.00445	0.00010	0.005000	0	89.0	56	102	0.003690	18.7	50	
Benzo(a)pyrene	0.00493	0.00010	0.005000	0	98.6	55.4	125	0.003983	21.2	50	
Benzo(b)fluoranthene	0.00490	0.00010	0.005000	0	98.0	59.3	127	0.003865	23.6	50	
Benzo(g,h,i)perylene	0.00490	0.00010	0.005000	0	98.0	58.4	125	0.003934	21.8	50	
Benzo(k)fluoranthene	0.00508	0.00010	0.005000	0	101.7	61.5	125	0.004111	21.2	50	
Bis(2-ethylhexyl)phthalate	0.00635	0.00200	0.005000	0	126.9	63.2	152	0.005179	20.3	50	
Chrysene	0.00517	0.00010	0.005000	0	103.4	58.7	118	0.004192	20.9	50	
Dibenzo(a,h)anthracene	0.00472	0.00010	0.005000	0	94.5	59.3	126	0.003891	19.3	50	
Diethyl phthalate	0.00488	0.00100	0.005000	0	97.7	55.3	133	0.003970	20.6	0	
Dimethyl phthalate	0.00435	0.00100	0.005000	0	87.0	55.7	112	0.003997	8.44	0	
Di-n-butyl phthalate	0.00509	0.00100	0.005000	0	101.8	61.5	130	0.004205	19.0	50	
Fluoranthene	0.00467	0.00010	0.005000	0	93.4	60.1	117	0.003926	17.3	50	
Fluorene	0.00422	0.00010	0.005000	0	84.5	54.1	110	0.003315	24.1	50	
Indeno(1,2,3-cd)pyrene	0.00478	0.00010	0.005000	0	95.5	58.1	123	0.003980	18.2	50	
m,p-Cresol	0.00287	0.00010	0.005000	0	57.4	17.9	107	0.002447	15.9	50	
Naphthalene	0.00305	0.00010	0.005000	0	61.0	36.3	97.1	0.002419	23.0	50	
o-Cresol	0.00337	0.00010	0.005000	0	67.4	20.5	109	0.002931	14.0	50	
Phenanthrene	0.00450	0.00010	0.005000	0	89.9	55.9	107	0.003625	21.5	50	
Pyrene	0.00470	0.00010	0.005000	0	94.0	61.4	116	0.003883	19.1	50	
Surr: 2-Fluorobiphenyl	0.00337		0.005000		67.4	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00490		0.01000		49.0	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106		0	50	
Surr: Phenol-d5	0.00333		0.01000		33.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00404		0.005000		80.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: MB-55767	SampType: MBLK	Units: mg/L			Prep Date: 9/30/2009			RunNo: 127436			
Client ID: ZZZZZZ	Batch ID: 55767	SW3510C			Analysis Date: 10/1/2009			SeqNo: 2398629			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00345		0.005000		69.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00494		0.01000		49.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00363		0.005000		72.6	39.9	106				
Surr: Phenol-d5	0.00332		0.01000		33.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00390		0.005000		78.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: LCS-T091001-2	SampType: LCS	Units: µg/L				Prep Date: 10/1/2009			RunNo: 127521		
Client ID: ZZZZZZ	Batch ID: 55835	SW5030				Analysis Date: 10/1/2009			SeqNo: 2399370		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.6	2.0	50.00	0	95.2	82.7	117				
Toluene	47.3	5.0	50.00	0	94.5	79.6	116				
Ethylbenzene	44.5	5.0	50.00	0	88.9	83	113				
Xylenes, Total	93.0	5.0	100.0	0	93.0	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.1	74.7	129				
Surr: 4-Bromofluorobenzene	48.5		50.00		97.0	86	119				
Surr: Dibromofluoromethane	51.4		50.00		102.8	81.7	123				
Surr: Toluene-d8	51.0		50.00		101.9	84.3	114				

Sample ID: LCSD-T091001-2	SampType: LCSD	Units: µg/L				Prep Date: 10/1/2009			RunNo: 127521		
Client ID: ZZZZZZ	Batch ID: 55835	SW5030				Analysis Date: 10/1/2009			SeqNo: 2399371		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.2	2.0	50.00	0	98.5	82.7	117	47.61	3.39	20	
Toluene	48.6	5.0	50.00	0	97.2	79.6	116	47.26	2.78	20	
Ethylbenzene	45.8	5.0	50.00	0	91.6	83	113	44.47	2.90	20	
Xylenes, Total	95.9	5.0	100.0	0	95.9	80.3	120	93.03	3.05	0	
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.3		50.00		96.6	86	119		0	0	
Surr: Dibromofluoromethane	50.6		50.00		101.2	81.7	123		0	0	
Surr: Toluene-d8	51.1		50.00		102.3	84.3	114		0	0	

Sample ID: MBLK-T091001-2	SampType: MBLK	Units: µg/L			Prep Date: 10/1/2009			RunNo: 127521			
Client ID: ZZZZZZ	Batch ID: 55835	SW5030			Analysis Date: 10/1/2009			SeqNo: 2399372			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 09091064

Report Date: 05-Oct-09

Sample ID: MBLK-T091001-2	SampType: MBLK	Units: µg/L			Prep Date: 10/1/2009			RunNo: 127521			
Client ID: ZZZZZZ	Batch ID: 55835	SW5030			Analysis Date: 10/1/2009			SeqNo: 2399372			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.4		50.00		106.8	74.7	129				
Surr: 4-Bromofluorobenzene	47.7		50.00		95.3	86	119				
Surr: Dibromofluoromethane	51.7		50.00		103.5	81.7	123				
Surr: Toluene-d8	51.6		50.00		103.2	84.3	114				

Sample ID: 09091064-001EMS	SampType: MS	Units: µg/L				Prep Date: 10/1/2009			RunNo: 127521		
Client ID: P1WW-13C2MS	Batch ID: 55835	SW5030				Analysis Date: 10/2/2009			SeqNo: 2399383		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.0	2.0	56.00	0	89.2	57.8	125				
Toluene	58.6	5.0	56.00	0	104.7	75.8	123				
Ethylbenzene	59.3	5.0	56.00	0	105.9	72.8	123				
Xylenes, Total	122	5.0	112.0	0	109.1	73	127				
Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.1	74.7	129				
Surr: 4-Bromofluorobenzene	48.7		50.00		97.4	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.6	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: 09091064-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 10/1/2009			RunNo: 127521		
Client ID: P1WW-13C2MSD	Batch ID: 55835	SW5030				Analysis Date: 10/2/2009			SeqNo: 2399384		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.1	2.0	56.00	0	87.6	57.8	125	49.95	1.80	20	
Toluene	59.4	5.0	56.00	0	106.1	75.8	123	58.62	1.34	20	
Ethylbenzene	60.3	5.0	56.00	0	107.7	72.8	123	59.32	1.64	20	
Xylenes, Total	125	5.0	112.0	0	111.5	73	127	122.2	2.19	20	
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.8		50.00		97.6	86	119		0	0	
Surr: Dibromofluoromethane	49.2		50.00		98.5	81.7	123		0	0	
Surr: Toluene-d8	51.3		50.00		102.6	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 09091064

Report Date: 05-Oct-09

Carrier: John Riley

Received By: MLD

Completed by:

On:

29-Sep-09

Marvin L. Darling

Reviewed by:

On:

30-Sep-09

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: AMEREN -PSC
Address: 210 W SAND BANK RD
City / State / Zip: COLUMBIA, IL 62236
Contact: PETE SAZAMA Phone: 618-281-1575
E-Mail: _____ Fax: _____

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 117 °C
Preserved in: ☐ Lab ☒ Field FOR LAB USE ONLY
Lab Notes: 789129109
Comments: phHecdsqca

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☐ No
- Are these samples known to be hazardous? ☐ Yes ☐ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

[illegible]

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client

WHITE & YELLOW – LAB **PINK – SAMPLER'S COPY**

October 27, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/IP Champaign 62403053

WorkOrder: 09100818

Dear Pete Sazama:

TEKLAB, INC received 4 samples on 10/20/2009 4:55:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09100818-001	P2-B1-W(20)	6	10/19/2009 12:50:00 PM
09100818-002	P2-C1-W(3)	6	10/20/2009 8:05:00 AM
09100818-003	P2-C1-W(10)	6	10/20/2009 8:15:00 AM
09100818-004	P2-WW1	5	10/20/2009 11:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 09100818

Report Date: 27-Oct-09

Cooler Receipt Temp: 2.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-001

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-B1-W(20)

Collection Date: 10/19/2009 12:50:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>EPA SW846 3550C, 5035A, ASTM D2974</u>								
Percent Moisture		0.1		12.2	%	1	10/21/2009 10:15:00 AM	MK
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		87.8	%	1	10/21/2009 10:15:00 AM	MK
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45	J	2.2	mg/Kg-dry	1	10/22/2009 11:29:34 AM	LAL
Barium	NELAP	0.49		27.1	mg/Kg-dry	1	10/22/2009 10:49:54 AM	LAL
Cadmium	NELAP	0.20	J	0.13	mg/Kg-dry	1	10/22/2009 10:49:54 AM	LAL
Chromium	NELAP	0.98		17.9	mg/Kg-dry	1	10/22/2009 10:49:54 AM	LAL
Lead	NELAP	3.92		11.8	mg/Kg-dry	1	10/22/2009 10:49:54 AM	LAL
Silver	NELAP	0.54		< 0.54	mg/Kg-dry	1	10/22/2009 10:49:54 AM	LAL
<u>SW-846 3050B, METALS BY GFAA</u>								
Selenium 7740	NELAP	1.15		< 1.15	mg/Kg-dry	2	10/26/2009 3:42:38 PM	MEK
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.192	SR	17.6	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Acenaphthylene	NELAP	0.192	SR	20.6	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Anthracene	NELAP	0.192	SR	17.3	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Benzo(a)anthracene	NELAP	0.192	SR	7.40	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Benzo(a)pyrene	NELAP	0.192	SR	7.72	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.192	SR	5.98	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.192	SR	2.22	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.192	SR	1.82	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	3.78	S	ND	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Chrysene	NELAP	0.192	SR	8.34	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.192	SR	0.598	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Fluoranthene	NELAP	0.192	SR	19.8	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Fluorene	NELAP	0.192	SR	19.1	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.192	SR	1.87	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Naphthalene	NELAP	0.960	S	104	mg/Kg-dry	250	10/23/2009 12:32:00 PM	MAV
Phenanthrene	NELAP	0.960	S	68.2	mg/Kg-dry	250	10/23/2009 12:32:00 PM	MAV
Pyrene	NELAP	0.192	SR	30.0	mg/Kg-dry	50	10/23/2009 12:09:00 AM	MAV
Surr: 2-Fluorobiphenyl		10-131	S	70.0	%REC	50	10/23/2009 12:09:00 AM	MAV
Surr: Nitrobenzene-d5		10-132	S	68.0	%REC	50	10/23/2009 12:09:00 AM	MAV
Surr: p-Terphenyl-d14		30.6-131	S	72.0	%REC	50	10/23/2009 12:09:00 AM	MAV
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
1,2-Dichlorobenzene	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
1,3-Dichlorobenzene	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
1,4-Dichlorobenzene	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-001

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-B1-W(20)

Collection Date: 10/19/2009 12:50:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4,5-Trichlorophenol	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2,4,6-Trichlorophenol	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2,4-Dichlorophenol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2,4-Dimethylphenol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2,4-Dinitrophenol	NELAP	28.2		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2,4-Dinitrotoluene	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2,6-Dinitrotoluene	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2-Chloronaphthalene	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2-Chlorophenol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2-Methoxy-4-methylphenol		18.3		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2-Methylnaphthalene	NELAP	9.88		74.5	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2-Nitroaniline	NELAP	28.2		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
2-Nitrophenol	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
3,3'-Dichlorobenzidine	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
3-Nitroaniline	NELAP	28.2		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4,6-Dinitro-2-methylphenol	NELAP	28.2		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4-Bromophenyl phenyl ether	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4-Chloro-3-methylphenol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4-Chloroaniline	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4-Chlorophenyl phenyl ether	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4-Nitroaniline	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
4-Nitrophenol	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Aniline	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Azobenzene		9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Benzidine	NELAP	29.8		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Benzoic acid	NELAP	42.3		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Benzyl alcohol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Bis(2-chloroethoxy)methane	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Bis(2-chloroethyl)ether	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Bis(2-chloroisopropyl)ether	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Butyl benzyl phthalate	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Carbazole		14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Dibenzofuran	NELAP	9.88	J	5.6	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Diethyl phthalate	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Dimethyl phthalate	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Di-n-butyl phthalate	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Di-n-octyl phthalate	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Hexachlorobenzene	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-001

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-B1-W(20)

Collection Date: 10/19/2009 12:50:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Hexachlorobutadiene	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Hexachlorocyclopentadiene	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Hexachloroethane	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Isophorone	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
m,p-Cresol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Nitrobenzene	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
N-Nitrosodimethylamine	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
N-Nitroso-di-n-propylamine	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
N-Nitrosodiphenylamine	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
o-Cresol	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Pentachlorophenol	NELAP	56.5		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Phenol	NELAP	9.88		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Pyridine	NELAP	14.1		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
1,2-Diphenylhydrazine		23.7		ND	mg/Kg-dry	25	10/26/2009 5:17:00 AM	MAV
Surr: 2,4,6-Tribromophenol		32.7-130		93.3	%REC	25	10/26/2009 5:17:00 AM	MAV
Surr: 2-Fluorobiphenyl		34.1-116		88.8	%REC	25	10/26/2009 5:17:00 AM	MAV
Surr: 2-Fluorophenol		30.5-99		74.4	%REC	25	10/26/2009 5:17:00 AM	MAV
Surr: Nitrobenzene-d5		34.1-101		85.8	%REC	25	10/26/2009 5:17:00 AM	MAV
Surr: Phenol-d5		34.9-110		86.3	%REC	25	10/26/2009 5:17:00 AM	MAV
Surr: p-Terphenyl-d14		41.7-124	S	129.7	%REC	25	10/26/2009 5:17:00 AM	MAV
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1,2-Tetrachloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1,1-Trichloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1,2,2-Tetrachloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1,2-Trichloro-1,2,2-trifluoroethane		22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1,2-Trichloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1-Dichloro-2-propanone		225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1-Dichloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1-Dichloroethene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,1-Dichloropropene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2,3-Trichlorobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2,3-Trichloropropane	NELAP	44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2,3-Trimethylbenzene		22500	J	7300	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2,4-Trichlorobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2,4-Trimethylbenzene	NELAP	22500	J	18000	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2-Dibromo-3-chloropropane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2-Dibromoethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2-Dichlorobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-001

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-B1-W(20)

Collection Date: 10/19/2009 12:50:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2-Dichloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,2-Dichloropropane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,3,5-Trimethylbenzene	NELAP	22500	J	4800	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,3-Dichlorobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,3-Dichloropropane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1,4-Dichlorobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
1-Chlorobutane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
2,2-Dichloropropane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
2-Butanone	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
2-Chlorotoluene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
2-Hexanone	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
2-Nitropropane	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
4-Chlorotoluene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
4-Methyl-2-pentanone	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Acetone	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Acrolein	NELAP	449000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Acrylonitrile	NELAP	44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Allyl chloride	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Benzene	NELAP	4490		24500	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Bromobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Bromochloromethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Bromodichloromethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Bromoform	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Bromomethane	NELAP	44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Carbon disulfide	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Carbon tetrachloride	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Chlorobenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Chloroethane	NELAP	44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Chloroform	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Chloromethane	NELAP	44900	J	17000	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
cis-1,2-Dichloroethene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
cis-1,3-Dichloropropene	NELAP	18000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Cyclohexanone		449000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Dibromochloromethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Dibromomethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Dichlorodifluoromethane	NELAP	44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Ethyl acetate	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Ethyl ether	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-001

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-B1-W(20)

Collection Date: 10/19/2009 12:50:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethyl methacrylate	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Ethylbenzene	NELAP	22500		29400	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Heptane		89900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Hexachlorobutadiene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Hexachloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Iodomethane	NELAP	44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Isopropylbenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
m,p-Xylenes	NELAP	22500		23500	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Methacrylonitrile	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Methyl Methacrylate	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Methyl tert-butyl ether	NELAP	8990		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Methylacrylate		44900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Methylene chloride	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Naphthalene	NELAP	44900		379000	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
n-Butylbenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
n-Hexane		89900		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Nitrobenzene	NELAP	449000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
n-Propylbenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
o-Xylene	NELAP	22500	J	13000	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Pentachloroethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
p-Isopropyltoluene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Propionitrile	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
sec-Butylbenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Styrene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
tert-Butylbenzene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Tetrachloroethene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Tetrahydrofuran	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Toluene	NELAP	22500		23800	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
trans-1,2-Dichloroethene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
trans-1,3-Dichloropropene	NELAP	18000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Trichloroethene	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Trichlorofluoromethane	NELAP	22500		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Vinyl acetate	NELAP	225000		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Vinyl chloride	NELAP	8990		ND	µg/Kg-dry	2500	10/23/2009 5:10:00 PM	RWE
Surr: 1,2-Dichloroethane-d4		61-128		102.1	%REC	2500	10/23/2009 5:10:00 PM	RWE
Surr: 4-Bromofluorobenzene		78.2-117		100.3	%REC	2500	10/23/2009 5:10:00 PM	RWE
Surr: Dibromofluoromethane		66.6-130		99.6	%REC	2500	10/23/2009 5:10:00 PM	RWE
Surr: Toluene-d8		80.1-122		103.6	%REC	2500	10/23/2009 5:10:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-001

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-B1-W(20)

Collection Date: 10/19/2009 12:50:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011	J	0.006	mg/Kg-dry	1	10/22/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.564		< 0.564	mg/Kg-dry	1	10/23/2009 8:47:19 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.54		< 0.54	mg/Kg-dry	1	10/23/2009 8:47:19 AM	RCE

Sample Narrative

SW-846 3050B, Metals by GFAA

Elevated reporting limit due to matrix interference.

SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Elevated reporting limit due to high levels of target and/or non-target analytes.

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Matrix spike and RPD did not recover within control limits because of sample composition.

Elevated reporting limit due to high levels of target and/or non-target analytes.

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes.

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-002

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(3)

Collection Date: 10/20/2009 8:05:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>EPA SW846 3550C, 5035A, ASTM D2974</u>								
Percent Moisture		0.1		26.2	%	1	10/21/2009 10:15:00 AM	MK
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		73.8	%	1	10/21/2009 10:15:00 AM	MK
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45	J	1.4	mg/Kg-dry	1	10/22/2009 11:09:45 AM	LAL
Barium	NELAP	0.49		93.4	mg/Kg-dry	1	10/22/2009 11:09:45 AM	LAL
Cadmium	NELAP	0.20		0.23	mg/Kg-dry	1	10/22/2009 11:09:45 AM	LAL
Chromium	NELAP	0.98		15.8	mg/Kg-dry	1	10/22/2009 11:09:45 AM	LAL
Lead	NELAP	3.92		21.2	mg/Kg-dry	1	10/22/2009 11:09:45 AM	LAL
Silver	NELAP	0.54		< 0.54	mg/Kg-dry	1	10/22/2009 11:09:45 AM	LAL
<u>SW-846 3050B, METALS BY GFAA</u>								
Selenium 7740	NELAP	0.566		2.46	mg/Kg-dry	1	10/26/2009 3:19:00 PM	MEK
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	2.73		73.7	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Acenaphthylene	NELAP	2.73		122	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Anthracene	NELAP	2.73		96.1	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Benzo(a)anthracene	NELAP	2.73		67.1	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Benzo(a)pyrene	NELAP	2.73		72.8	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Benzo(b)fluoranthene	NELAP	2.73		76.3	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	2.73		26.1	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Benzo(k)fluoranthene	NELAP	2.73		28.0	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	53.8		ND	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Chrysene	NELAP	2.73		75.2	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	2.73		8.00	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Fluoranthene	NELAP	2.73		176	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Fluorene	NELAP	2.73		104	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	2.73		25.1	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Naphthalene	NELAP	2.73		332	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Phenanthrene	NELAP	2.73		320	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Pyrene	NELAP	2.73		169	mg/Kg-dry	100	10/23/2009 1:56:00 AM	MAV
Surr: 2-Fluorobiphenyl		10-131	S	144.1	%REC	100	10/23/2009 1:56:00 AM	MAV
Surr: Nitrobenzene-d5		10-132	S	132.1	%REC	100	10/23/2009 1:56:00 AM	MAV
Surr: p-Terphenyl-d14		30.6-131	S	156.1	%REC	100	10/23/2009 1:56:00 AM	MAV
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
1,2-Dichlorobenzene	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
1,3-Dichlorobenzene	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
1,4-Dichlorobenzene	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-002

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(3)

Collection Date: 10/20/2009 8:05:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4,5-Trichlorophenol	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2,4,6-Trichlorophenol	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2,4-Dichlorophenol	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2,4-Dimethylphenol	NELAP	100	J	63	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2,4-Dinitrophenol	NELAP	201		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2,4-Dinitrotoluene	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2,6-Dinitrotoluene	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2-Chloronaphthalene	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2-Chlorophenol	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2-Methoxy-4-methylphenol		130		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2-Methylnaphthalene	NELAP	70.3		729	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2-Nitroaniline	NELAP	201		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
2-Nitrophenol	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
3,3'-Dichlorobenzidine	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
3-Nitroaniline	NELAP	201		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4,6-Dinitro-2-methylphenol	NELAP	201		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4-Bromophenyl phenyl ether	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4-Chloro-3-methylphenol	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4-Chloroaniline	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4-Chlorophenyl phenyl ether	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4-Nitroaniline	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
4-Nitrophenol	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Aniline	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Azobenzene		70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Benzidine	NELAP	212		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Benzoic acid	NELAP	301		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Benzyl alcohol	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Bis(2-chloroethoxy)methane	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Bis(2-chloroethyl)ether	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Bis(2-chloroisopropyl)ether	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Butyl benzyl phthalate	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Carbazole		100		133	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Dibenzofuran	NELAP	70.3		487	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Diethyl phthalate	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Dimethyl phthalate	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Di-n-butyl phthalate	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Di-n-octyl phthalate	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Hexachlorobenzene	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-002

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(3)

Collection Date: 10/20/2009 8:05:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Hexachlorobutadiene	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Hexachlorocyclopentadiene	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Hexachloroethane	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Isophorone	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
m,p-Cresol	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Nitrobenzene	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
N-Nitrosodimethylamine	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
N-Nitroso-di-n-propylamine	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
N-Nitrosodiphenylamine	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
o-Cresol	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Pentachlorophenol	NELAP	401		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Phenol	NELAP	70.3		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Pyridine	NELAP	100		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
1,2-Diphenylhydrazine		169		ND	mg/Kg-dry	25	10/26/2009 5:50:00 AM	MAV
Surr: 2,4,6-Tribromophenol		32.7-130		92.8	%REC	25	10/26/2009 5:50:00 AM	MAV
Surr: 2-Fluorobiphenyl		34.1-116		113.8	%REC	25	10/26/2009 5:50:00 AM	MAV
Surr: 2-Fluorophenol		30.5-99		84.3	%REC	25	10/26/2009 5:50:00 AM	MAV
Surr: Nitrobenzene-d5		34.1-101	S	117.8	%REC	25	10/26/2009 5:50:00 AM	MAV
Surr: Phenol-d5		34.9-110		103.3	%REC	25	10/26/2009 5:50:00 AM	MAV
Surr: p-Terphenyl-d14		41.7-124	S	153.7	%REC	25	10/26/2009 5:50:00 AM	MAV
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1,2-Tetrachloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1,1-Trichloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1,2,2-Tetrachloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1,2-Trichloro-1,2,2-trifluoroethane		39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1,2-Trichloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1-Dichloro-2-propanone		394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1-Dichloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1-Dichloroethene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,1-Dichloropropene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2,3-Trichlorobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2,3-Trichloropropane	NELAP	78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2,3-Trimethylbenzene		39400	J	18000	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2,4-Trichlorobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2,4-Trimethylbenzene	NELAP	39400		46100	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2-Dibromo-3-chloropropane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2-Dibromoethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2-Dichlorobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-002

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(3)

Collection Date: 10/20/2009 8:05:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2-Dichloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,2-Dichloropropane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,3,5-Trimethylbenzene	NELAP	39400	J	13000	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,3-Dichlorobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,3-Dichloropropane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1,4-Dichlorobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
1-Chlorobutane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
2,2-Dichloropropane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
2-Butanone	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
2-Chlorotoluene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
2-Hexanone	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
2-Nitropropane	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
4-Chlorotoluene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
4-Methyl-2-pentanone	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Acetone	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Acrolein	NELAP	787000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Acrylonitrile	NELAP	78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Allyl chloride	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Benzene	NELAP	7870		27500	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Bromobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Bromochloromethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Bromodichloromethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Bromoform	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Bromomethane	NELAP	78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Carbon disulfide	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Carbon tetrachloride	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Chlorobenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Chloroethane	NELAP	78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Chloroform	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Chloromethane	NELAP	78700	J	32000	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
cis-1,2-Dichloroethene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
cis-1,3-Dichloropropene	NELAP	31500		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Cyclohexanone		787000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Dibromochloromethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Dibromomethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Dichlorodifluoromethane	NELAP	78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Ethyl acetate	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Ethyl ether	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-002

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(3)

Collection Date: 10/20/2009 8:05:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethyl methacrylate	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Ethylbenzene	NELAP	39400	J	20000	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Heptane		157000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Hexachlorobutadiene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Hexachloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Iodomethane	NELAP	78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Isopropylbenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
m,p-Xylenes	NELAP	39400		48800	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Methacrylonitrile	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Methyl Methacrylate	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Methyl tert-butyl ether	NELAP	15700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Methylacrylate		78700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Methylene chloride	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Naphthalene	NELAP	156000		1480000	µg/Kg-dry	5000	10/26/2009 2:29:00 PM	RWE
n-Butylbenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
n-Hexane		157000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Nitrobenzene	NELAP	787000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
n-Propylbenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
o-Xylene	NELAP	39400	J	24000	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Pentachloroethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
p-Isopropyltoluene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Propionitrile	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
sec-Butylbenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Styrene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
tert-Butylbenzene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Tetrachloroethene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Tetrahydrofuran	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Toluene	NELAP	39400	J	39000	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
trans-1,2-Dichloroethene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
trans-1,3-Dichloropropene	NELAP	31500		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Trichloroethene	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Trichlorofluoromethane	NELAP	39400		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Vinyl acetate	NELAP	394000		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Vinyl chloride	NELAP	15700		ND	µg/Kg-dry	2500	10/23/2009 5:38:00 PM	RWE
Surr: 1,2-Dichloroethane-d4		61-128		104.3	%REC	2500	10/23/2009 5:38:00 PM	RWE
Surr: 4-Bromofluorobenzene		78.2-117		99.6	%REC	2500	10/23/2009 5:38:00 PM	RWE
Surr: Dibromofluoromethane		66.6-130		99.9	%REC	2500	10/23/2009 5:38:00 PM	RWE
Surr: Toluene-d8		80.1-122		102.9	%REC	2500	10/23/2009 5:38:00 PM	RWE

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 09100818**Lab ID:** 09100818-002**Report Date:** 27-Oct-09**Client Project:** A831-735002-012901-225/IP Champ**Client Sample ID:** P2-C1-W(3)**Collection Date:** 10/20/2009 8:05:00 AM**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.472	mg/Kg-dry	1	10/22/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		33.2		Interference	mg/Kg-dry	50	10/23/2009 8:47:19 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	15.8		16.6	mg/Kg-dry	50	10/23/2009 8:47:19 AM	RCE

Sample Narrative

SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Elevated reporting limit due to high levels of target and/or non-target analytes.

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to sample dilution.

Elevated reporting limit due to high levels of target and/or non-target analytes.

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes.

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 09100818
Lab ID: 09100818-003
Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: P2-C1-W(10)
Collection Date: 10/20/2009 8:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>EPA SW846 3550C, 5035A, ASTM D2974</u>								
Percent Moisture		0.1		22.2	%	1	10/21/2009 10:15:00 AM	MK
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		77.8	%	1	10/21/2009 10:15:00 AM	MK
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45		4.78	mg/Kg-dry	1	10/22/2009 11:16:25 AM	LAL
Barium	NELAP	0.49		111	mg/Kg-dry	1	10/22/2009 11:16:25 AM	LAL
Cadmium	NELAP	0.20		0.74	mg/Kg-dry	1	10/22/2009 11:16:25 AM	LAL
Chromium	NELAP	0.98		21.8	mg/Kg-dry	1	10/22/2009 11:16:25 AM	LAL
Lead	NELAP	3.92		69.8	mg/Kg-dry	1	10/22/2009 11:16:25 AM	LAL
Silver	NELAP	0.54		< 0.54	mg/Kg-dry	1	10/22/2009 11:16:25 AM	LAL
<u>SW-846 3050B, METALS BY GFAA</u>								
Selenium 7740	NELAP	0.600		1.26	mg/Kg-dry	1	10/26/2009 3:22:20 PM	MEK
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.214		13.9	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Acenaphthylene	NELAP	0.214		14.2	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Anthracene	NELAP	0.214		13.7	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Benzo(a)anthracene	NELAP	0.214		6.07	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Benzo(a)pyrene	NELAP	0.214		6.21	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.214		4.72	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.214		1.77	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.214		1.76	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	4.21		ND	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Chrysene	NELAP	0.214		6.87	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.214		0.549	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Fluoranthene	NELAP	0.214		15.9	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Fluorene	NELAP	0.214		14.4	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.214		1.50	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Naphthalene	NELAP	0.214		79.9	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Phenanthrene	NELAP	0.214		56.3	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Pyrene	NELAP	0.214		24.5	mg/Kg-dry	50	10/23/2009 3:08:00 AM	MAV
Surr: 2-Fluorobiphenyl		10-131		70.0	%REC	50	10/23/2009 3:08:00 AM	MAV
Surr: Nitrobenzene-d5		10-132		66.0	%REC	50	10/23/2009 3:08:00 AM	MAV
Surr: p-Terphenyl-d14		30.6-131		72.0	%REC	50	10/23/2009 3:08:00 AM	MAV
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
1,2-Dichlorobenzene	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
1,3-Dichlorobenzene	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
1,4-Dichlorobenzene	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-003

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(10)

Collection Date: 10/20/2009 8:15:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4,5-Trichlorophenol	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2,4,6-Trichlorophenol	NELAP	11.0	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2,4-Dichlorophenol	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2,4-Dimethylphenol	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2,4-Dinitrophenol	NELAP	31.4	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2,4-Dinitrotoluene	NELAP	11.0	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2,6-Dinitrotoluene	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2-Chloronaphthalene	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2-Chlorophenol	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2-Methoxy-4-methylphenol		20.4		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2-Methylnaphthalene	NELAP	11.0		12.5	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2-Nitroaniline	NELAP	31.4		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
2-Nitrophenol	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
3,3'-Dichlorobenzidine	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
3-Nitroaniline	NELAP	31.4		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4,6-Dinitro-2-methylphenol	NELAP	31.4		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4-Bromophenyl phenyl ether	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4-Chloro-3-methylphenol	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4-Chloroaniline	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4-Chlorophenyl phenyl ether	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4-Nitroaniline	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
4-Nitrophenol	NELAP	11.0	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Aniline	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Azobenzene		11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Benzidine	NELAP	33.2		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Benzoic acid	NELAP	47.1		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Benzyl alcohol	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Bis(2-chloroethoxy)methane	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Bis(2-chloroethyl)ether	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Bis(2-chloroisopropyl)ether	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Butyl benzyl phthalate	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Carbazole		15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Dibenzofuran	NELAP	11.0	J	6.0	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Diethyl phthalate	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Dimethyl phthalate	NELAP	11.0	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Di-n-butyl phthalate	NELAP	11.0	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Di-n-octyl phthalate	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Hexachlorobenzene	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-003

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(10)

Collection Date: 10/20/2009 8:15:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Hexachlorobutadiene	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Hexachlorocyclopentadiene	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Hexachloroethane	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Isophorone	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
m,p-Cresol	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Nitrobenzene	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
N-Nitrosodimethylamine	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
N-Nitroso-di-n-propylamine	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
N-Nitrosodiphenylamine	NELAP	15.7		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
o-Cresol	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Pentachlorophenol	NELAP	62.9	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Phenol	NELAP	11.0		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Pyridine	NELAP	15.7	S	ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
1,2-Diphenylhydrazine		26.4		ND	mg/Kg-dry	25	10/26/2009 6:24:00 AM	MAV
Surr: 2,4,6-Tribromophenol		32.7-130		81.8	%REC	25	10/26/2009 6:24:00 AM	MAV
Surr: 2-Fluorobiphenyl		34.1-116		89.8	%REC	25	10/26/2009 6:24:00 AM	MAV
Surr: 2-Fluorophenol		30.5-99		75.3	%REC	25	10/26/2009 6:24:00 AM	MAV
Surr: Nitrobenzene-d5		34.1-101	S	105.8	%REC	25	10/26/2009 6:24:00 AM	MAV
Surr: Phenol-d5		34.9-110		86.8	%REC	25	10/26/2009 6:24:00 AM	MAV
Surr: p-Terphenyl-d14		41.7-124		123.8	%REC	25	10/26/2009 6:24:00 AM	MAV
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1,2-Tetrachloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1,1-Trichloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1,2,2-Tetrachloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1,2-Trichloro-1,2,2-trifluoroethane		30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1,2-Trichloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1-Dichloro-2-propanone		307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1-Dichloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1-Dichloroethene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,1-Dichloropropene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2,3-Trichlorobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2,3-Trichloropropane	NELAP	61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2,3-Trimethylbenzene		30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2,4-Trichlorobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2,4-Trimethylbenzene	NELAP	30700	J	10000	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2-Dibromo-3-chloropropane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2-Dibromoethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2-Dichlorobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE

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Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2-Dichloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,2-Dichloropropane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,3,5-Trimethylbenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,3-Dichlorobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,3-Dichloropropane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1,4-Dichlorobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
1-Chlorobutane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
2,2-Dichloropropane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
2-Butanone	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
2-Chlorotoluene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
2-Hexanone	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
2-Nitropropane	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
4-Chlorotoluene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
4-Methyl-2-pentanone	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Acetone	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Acrolein	NELAP	614000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Acrylonitrile	NELAP	61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Allyl chloride	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Benzene	NELAP	6140		6210	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Bromobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Bromochloromethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Bromodichloromethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Bromoform	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Bromomethane	NELAP	61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Carbon disulfide	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Carbon tetrachloride	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Chlorobenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Chloroethane	NELAP	61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Chloroform	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Chloromethane	NELAP	61400	J	27000	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
cis-1,2-Dichloroethene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
cis-1,3-Dichloropropene	NELAP	24600		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Cyclohexanone		614000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Dibromochloromethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Dibromomethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Dichlorodifluoromethane	NELAP	61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Ethyl acetate	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Ethyl ether	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-003

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-C1-W(10)

Collection Date: 10/20/2009 8:15:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethyl methacrylate	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Ethylbenzene	NELAP	30700	J	14000	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Heptane		123000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Hexachlorobutadiene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Hexachloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Iodomethane	NELAP	61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Isopropylbenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
m,p-Xylenes	NELAP	30700	J	12000	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Methacrylonitrile	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Methyl Methacrylate	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Methyl tert-butyl ether	NELAP	12300		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Methylacrylate		61400		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Methylene chloride	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Naphthalene	NELAP	61400		178000	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
n-Butylbenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
n-Hexane		123000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Nitrobenzene	NELAP	614000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
n-Propylbenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
o-Xylene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Pentachloroethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
p-Isopropyltoluene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Propionitrile	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
sec-Butylbenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Styrene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
tert-Butylbenzene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Tetrachloroethene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Tetrahydrofuran	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Toluene	NELAP	30700	J	9800	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
trans-1,2-Dichloroethene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
trans-1,3-Dichloropropene	NELAP	24600		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Trichloroethene	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Trichlorofluoromethane	NELAP	30700		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Vinyl acetate	NELAP	307000		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Vinyl chloride	NELAP	12300		ND	µg/Kg-dry	2500	10/23/2009 6:06:00 PM	RWE
Surr: 1,2-Dichloroethane-d4		61-128		101.6	%REC	2500	10/23/2009 6:06:00 PM	RWE
Surr: 4-Bromofluorobenzene		78.2-117		101.1	%REC	2500	10/23/2009 6:06:00 PM	RWE
Surr: Dibromofluoromethane		66.6-130		99.9	%REC	2500	10/23/2009 6:06:00 PM	RWE
Surr: Toluene-d8		80.1-122		102.5	%REC	2500	10/23/2009 6:06:00 PM	RWE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 09100818**Lab ID:** 09100818-003**Report Date:** 27-Oct-09**Client Project:** A831-735002-012901-225/IP Champ**Client Sample ID:** P2-C1-W(10)**Collection Date:** 10/20/2009 8:15:00 AM**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.147	mg/Kg-dry	1	10/22/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		2.30		5.67	mg/Kg-dry	4	10/23/2009 8:47:19 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	11.6		11.7	mg/Kg-dry	50	10/23/2009 8:47:19 AM	RCE

Sample Narrative

SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Matrix spike diluted out.

Elevated reporting limit due to high levels of target and/or non-target analytes.

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes.

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-004

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-WW1

Collection Date: 10/20/2009 11:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.66		1	10/21/2009 12:06:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	10/22/2009 10:00:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	10/21/2009 1:15:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/21/2009 2:27:57 PM	LAL
Barium	NELAP	0.0050		0.108	mg/L	1	10/21/2009 2:27:57 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	10/21/2009 2:27:57 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/21/2009 2:27:57 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/21/2009 2:27:57 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/21/2009 2:27:57 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0011	mg/L	1	10/22/2009 12:20:42 PM	MEK
<u>SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
1,2-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
1,3-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
1,4-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,4,5-Trichlorophenol	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,4,6-Trichlorophenol	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,4-Dichlorophenol	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,4-Dimethylphenol	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,4-Dinitrophenol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,4-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2,6-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2-Chloronaphthalene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2-Chlorophenol	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2-Methoxy-4-methylphenol		0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2-Methylnaphthalene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2-Nitroaniline	NELAP	0.040		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
2-Nitrophenol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
3,3'-Dichlorobenzidine	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
3-Nitroaniline	NELAP	0.040		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
4,6-Dinitro-2-methylphenol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
4-Bromophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
4-Chloro-3-methylphenol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
4-Chloroaniline	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

Client Project: A831-735002-012901-225/IP Champ

WorkOrder: 09100818

Client Sample ID: P2-WW1

Lab ID: 09100818-004

Collection Date: 10/20/2009 11:30:00 AM

Report Date: 27-Oct-09

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
4-Chlorophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
4-Nitroaniline	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
4-Nitrophenol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Aniline	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Azobenzene		0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Benzidine	NELAP	0.040		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Benzoic acid	NELAP	0.050		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Benzyl alcohol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Bis(2-chloroethoxy)methane	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Bis(2-chloroethyl)ether	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Bis(2-chloroisopropyl)ether	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Butyl benzyl phthalate	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Carbazole	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Dibenzofuran	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Di-n-octyl phthalate	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Hexachlorobenzene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Hexachlorobutadiene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Hexachlorocyclopentadiene	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Hexachloroethane	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Isophorone	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Nitrobenzene	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
N-Nitrosodimethylamine	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
N-Nitroso-di-n-propylamine	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
N-Nitrosodiphenylamine	NELAP	0.010		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Pentachlorophenol	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Phenol	NELAP	0.005		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Pyridine	NELAP	0.020		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Quinoline		0.005		ND	mg/L	1	10/24/2009 12:06:00 AM	MAV
Surr: 2,4,6-Tribromophenol		27.7-149		99.0	%REC	1	10/24/2009 12:06:00 AM	MAV
Surr: 2-Fluorobiphenyl		44.9-116		86.2	%REC	1	10/24/2009 12:06:00 AM	MAV
Surr: 2-Fluorophenol		10.6-78.7		49.5	%REC	1	10/24/2009 12:06:00 AM	MAV
Surr: Nitrobenzene-d5		41.4-104		83.3	%REC	1	10/24/2009 12:06:00 AM	MAV
Surr: Phenol-d5		9.04-52.9		32.9	%REC	1	10/24/2009 12:06:00 AM	MAV
Surr: p-Terphenyl-d14		23.5-114		84.9	%REC	1	10/24/2009 12:06:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-004

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-WW1

Collection Date: 10/20/2009 11:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
2-Butanone	NELAP	25.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
2-Hexanone	NELAP	25.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
2-Nitropropane	NELAP	50.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Acetone	NELAP	25.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Acetonitrile	NELAP	50.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Acrolein	NELAP	100		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Acrylonitrile	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Allyl chloride	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Benzene	NELAP	2.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Bromobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Bromochloromethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-004

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-WW1

Collection Date: 10/20/2009 11:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Bromoform	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Bromomethane	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Butyl acetate		25.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Carbon disulfide	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Chlorobenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Chloroethane	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Chloroform	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Chloromethane	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Chloroprene	NELAP	20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Cyclohexanone		50.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Dibromomethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Dichlorodifluoromethane	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Ethyl acetate	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Ethyl ether	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Heptane		20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Hexachloroethane	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Iodomethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Methacrylonitrile	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Methylacrylate		10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Methylene chloride	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Naphthalene	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
n-Hexane		20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Nitrobenzene	NELAP	50.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
o-Xylene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09100818

Lab ID: 09100818-004

Report Date: 27-Oct-09

Client Project: A831-735002-012901-225/IP Champ

Client Sample ID: P2-WW1

Collection Date: 10/20/2009 11:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pentachloroethane	NELAP	20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Propionitrile	NELAP	50.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Styrene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
trans-1,4-Dichloro-2-butene	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Trichloroethene	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Vinyl acetate	NELAP	10		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Vinyl chloride	NELAP	2.0		ND	µg/L	1	10/20/2009 7:40:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		100.2	%REC	1	10/20/2009 7:40:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		101.4	%REC	1	10/20/2009 7:40:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		101.3	%REC	1	10/20/2009 7:40:00 PM	TAL
Surr: Toluene-d8		84.3-114		98.6	%REC	1	10/20/2009 7:40:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/22/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500	J	0.23	mg/L	50	10/23/2009 8:47:19 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	2.63	mg/L	50	10/23/2009 8:47:19 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/IP Champaign 62403053**Lab Order:** 09100818**Report Date:** 27-Oct-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09100818-001A	P2-B1-W(20)	10/19/2009	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:26:03 PM	10/23/2009 12:09:00 AM
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:26:03 PM	10/23/2009 12:32:00 PM
				SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:23:50 PM	10/26/2009 5:17:00 AM
09100818-001B				SW-846 3050B, 6010B, Metals by ICP	10/21/2009 8:55:45 AM	10/22/2009 10:49:54 AM
				SW-846 3050B, 6010B, Metals by ICP	10/21/2009 8:55:45 AM	10/22/2009 11:29:34 AM
				SW-846 3050B, Metals by GFAA	10/21/2009 10:22:26 AM	10/26/2009 3:02:06 PM
				SW-846 3050B, Metals by GFAA	10/21/2009 10:22:26 AM	10/26/2009 3:32:28 PM
				SW-846 3050B, Metals by GFAA	10/21/2009 10:22:26 AM	10/26/2009 3:42:38 PM
				SW-846 7471A	10/21/2009 7:19:34 PM	10/22/2009
09100818-001C				EPA SW846 3550C, 5035A, ASTM D2974		10/21/2009 10:15:00 AM
				Standard Methods 18th Ed. 2540 G		10/21/2009 10:15:00 AM
				SW-846 9012A		10/23/2009 8:47:19 AM
				SW-846 9012A (Total)		10/23/2009 8:47:19 AM
09100818-001F				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS		10/23/2009 5:10:00 PM
09100818-002A	P2-C1-W(3)	10/20/2009		SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:26:03 PM	10/23/2009 1:56:00 AM
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:26:03 PM	10/23/2009 2:32:00 AM
				SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:23:50 PM	10/26/2009 5:50:00 AM
09100818-002B				SW-846 3050B, 6010B, Metals by ICP	10/21/2009 8:55:45 AM	10/22/2009 11:09:45 AM
				SW-846 3050B, Metals by GFAA	10/21/2009 10:22:26 AM	10/26/2009 3:19:00 PM
				SW-846 7471A	10/21/2009 7:19:34 PM	10/22/2009
09100818-002C				EPA SW846 3550C, 5035A, ASTM D2974		10/21/2009 10:15:00 AM
				Standard Methods 18th Ed. 2540 G		10/21/2009 10:15:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09100818-002C	P2-C1-W(3)	10/20/2009	Solid	SW-846 9012A		10/23/2009 8:47:19 AM
				SW-846 9012A (Total)		10/23/2009 8:47:19 AM
09100818-002F				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS		10/23/2009 5:38:00 PM
				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS		10/26/2009 2:29:00 PM
09100818-003A	P2-C1-W(10)			SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:26:03 PM	10/23/2009 3:08:00 AM
				SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 1:23:50 PM	10/26/2009 6:24:00 AM
09100818-003B				SW-846 3050B, 6010B, Metals by ICP	10/21/2009 8:55:45 AM	10/22/2009 11:16:25 AM
				SW-846 3050B, Metals by GFAA	10/21/2009 10:22:26 AM	10/26/2009 3:22:20 PM
				SW-846 7471A	10/21/2009 7:19:34 PM	10/22/2009
09100818-003C				EPA SW846 3550C, 5035A, ASTM D2974		10/21/2009 10:15:00 AM
				Standard Methods 18th Ed. 2540 G		10/21/2009 10:15:00 AM
				SW-846 9012A		10/23/2009 8:47:19 AM
				SW-846 9012A (Total)		10/23/2009 8:47:19 AM
09100818-003F				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS		10/23/2009 6:06:00 PM
09100818-004A	P2-WW1		Aqueous	SW-846 3510C, 8270C, Semi-Volatile Organic Compounds by GC/MS	10/21/2009 5:32:06 PM	10/24/2009 12:06:00 AM
09100818-004B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/21/2009 12:06:00 PM
				Standard Methods 18th Ed. 2540 D		10/22/2009 10:00:00 PM
				Standard Methods 18th Ed. 5210 B	10/21/2009 1:15:00 PM	10/21/2009 1:15:00 PM
09100818-004C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/20/2009 5:30:31 PM	10/21/2009 2:27:57 PM
				SW-846 3020A, Metals by GFAA (Total)	10/21/2009 3:34:57 PM	10/22/2009 12:20:42 PM
				SW-846 7470A (Total)	10/21/2009 7:16:21 PM	10/22/2009
09100818-004D				SW-846 9012A		10/23/2009 8:47:19 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09100818-004D	P2-WW1	10/20/2009	Aqueous	SW-846 9012A (Total)		10/23/2009 8:47:19 AM
09100818-004E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/20/2009 7:40:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCND_S_AT_9012A

Sample ID: MB-R128304		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 128304		
Client ID: ZZZZZZ		Batch ID: R128304						Analysis Date: 10/23/2009			SeqNo: 2418194	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R128304		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 128304		
Client ID: ZZZZZZ		Batch ID: R128304			Analysis Date: 10/23/2009			SeqNo: 2418195				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.087	0.007	0.1000	0	86.6	85	115				
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Sample ID: 09100818-004DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 128304		
Client ID: P2-WW1MS		Batch ID: R128304			Analysis Date: 10/23/2009			SeqNo: 2418217				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	2.69	0.350	0.05000	2.627	119.7	75	125				
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Sample ID: 09100818-004DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 128304		
Client ID: P2-WW1MSD		Batch ID: R128304					Analysis Date: 10/23/2009			SeqNo: 2418218	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	2.51	0.350	0.05000	2.627	-230.2	75	125	2.687	6.73	15	S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCND_S_MT_9012A

Sample ID: MB-R128304	SampType: MBLK	Units: mg/Kg			Prep Date:			RunNo: 128304			
Client ID: ZZZZZZ	Batch ID: R128304				Analysis Date: 10/23/2009			SeqNo: 2418314			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.01	0.01									

Sample ID: LCS-R128304	SampType: LCS	Units: mg/Kg			Prep Date:			RunNo: 128304			
Client ID: ZZZZZZ	Batch ID: R128304				Analysis Date: 10/23/2009			SeqNo: 2418315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.09	0.01	0.1000	0	86.6	85	115				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-56218	SampType: LCS	Units: mg/L				Prep Date: 10/21/2009			RunNo: 128216		
Client ID: ZZZZZZ	Batch ID: 56218	SOP 2030				Analysis Date: 10/21/2009			SeqNo: 2416288		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	199	5	198.0	0	100.5	84.6	115.4				

Sample ID: LCSQC-56218	SampType: LCSQC	Units: mg/L				Prep Date: 10/21/2009			RunNo: 128216		
Client ID: ZZZZZZ	Batch ID: 56218	SOP 2030				Analysis Date: 10/21/2009			SeqNo: 2416289		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	59	5	56.40	0	104.6	62	130.4				

Sample ID: 09100818-004B-DUP	SampType: DUP	Units: mg/L				Prep Date: 10/21/2009			RunNo: 128216		
Client ID: P2-WW1DUP	Batch ID: 56218	SOP 2030				Analysis Date: 10/21/2009			SeqNo: 2416320		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

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ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R128204	SampType: LCS	Units:			Prep Date:			RunNo: 128204			
Client ID: ZZZZZZ	Batch ID: R128204				Analysis Date: 10/21/2009			SeqNo: 2416058			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.97	1.00	7.000	0	99.6	99.1	100.9				
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Sample ID: 09100818-004BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 128204			
Client ID: P2-WW1DUP	Batch ID: R128204				Analysis Date: 10/21/2009			SeqNo: 2416060			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.69	1.00						7.660	0.391	10	
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID: LCS-R128220	SampType: LCS	Units: %			Prep Date:			RunNo: 128220			
Client ID: ZZZZZZ	Batch ID: R128220				Analysis Date: 10/21/2009			SeqNo: 2416395			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Solids	1.0	0.1	1.000	0	100	90	110				
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Sample ID: 09100818-002CDUP	SampType: DUP	Units: %			Prep Date:			RunNo: 128220			
Client ID: P2-C1-W(3)DUP	Batch ID: R128220				Analysis Date: 10/21/2009			SeqNo: 2416401			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Solids	71.9	0.1						73.84	2.66	15	
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Sample ID: LCSQC	SampType: LCSQC	Units: %			Prep Date:			RunNo: 128220			
Client ID: ZZZZZZ	Batch ID: R128220				Analysis Date: 10/21/2009			SeqNo: 2416442			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Solids	1.0	0.1	1.000	0	100	90	110				
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: MB-R128260	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 128260		
Client ID: ZZZZZZ	Batch ID: R128260					Analysis Date: 10/22/2009			SeqNo: 2417416		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R128260	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 128260		
Client ID: ZZZZZZ	Batch ID: R128260					Analysis Date: 10/22/2009			SeqNo: 2417417		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	92	6	100.0	0	92.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 128260		
Client ID: ZZZZZZ	Batch ID: R128260					Analysis Date: 10/22/2009			SeqNo: 2417438		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Sample ID: 09100818-004BDUP	SampType: DUP	Units: mg/L				Prep Date:			RunNo: 128260		
Client ID: P2-WW1DUP	Batch ID: R128260					Analysis Date: 10/22/2009			SeqNo: 2417467		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 128260		
Client ID: ZZZZZZ	Batch ID: R128260					Analysis Date: 10/22/2009			SeqNo: 2417487		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	98	6	100.0	0	98.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 128260		
Client ID: ZZZZZZ	Batch ID: R128260					Analysis Date: 10/22/2009			SeqNo: 2417503		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

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ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: LCSQC		SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 128260			
Client ID: ZZZZZZ		Batch ID: R128260				Analysis Date: 10/22/2009		SeqNo: 2417503			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	103	6	100.0	0	103.0	85	115				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: MB-56223		SampType: MBLK		Units: mg/L		Prep Date: 10/21/2009			RunNo: 128231			
Client ID: ZZZZZZ		Batch ID: 56223		SOP 3044		Analysis Date: 10/22/2009			SeqNo: 2416681			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-56223		SampType: LCS		Units: mg/L		Prep Date: 10/21/2009		RunNo: 128231				
Client ID: ZZZZZZ		Batch ID: 56223		SOP 3044		Analysis Date: 10/22/2009		SeqNo: 2416682				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0175	0.0020	0.01500	0	116.6	80	120				

Sample ID: 09100818-004CMS		SampType: MS		Units: mg/L		Prep Date: 10/21/2009			RunNo: 128231			
Client ID: P2-WW1MS		Batch ID: 56223		SOP 3044		Analysis Date: 10/22/2009			SeqNo: 2416997			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0157	0.0020	0.01500	0.001078	97.2	70	130				

Sample ID: 09100818-004CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/21/2009			RunNo: 128231			
Client ID: P2-WW1MSD		Batch ID: 56223		SOP 3044		Analysis Date: 10/22/2009			SeqNo: 2416998			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0167	0.0020	0.01500	0.001078	104.2	70	130	0.01565	6.50	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: M_AQ_ICP_ST

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56203	SampType: MBLK	Units: mg/L			Prep Date: 10/20/2009			RunNo: 128160			
Client ID: ZZZZZZ	Batch ID: 56203	SOP 3034			Analysis Date: 10/21/2009			SeqNo: 2415853			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Lead	< 0.0400	0.0400	0.04000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-56203	SampType: LCS	Units: mg/L				Prep Date: 10/20/2009			RunNo: 128160		
Client ID: ZZZZZZ	Batch ID: 56203	SOP 3034				Analysis Date: 10/21/2009			SeqNo: 2415857		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0250	2.000	0	101.3	85	115				
Barium	1.98	0.0050	2.000	0	99.0	85	115				
Cadmium	0.0510	0.0020	0.05000	0	102.0	85	115				
Chromium	0.200	0.0100	0.2000	0	99.9	85	115				
Lead	0.507	0.0400	0.5000	0	101.3	85	115				
Selenium	2.06	0.0500	2.000	0	103.1	85	115				
Silver	0.0468	0.0100	0.05000	0	93.6	85	115				

Sample ID: 09100818-004CMS		SampType: MS		Units: mg/L		Prep Date: 10/20/2009		RunNo: 128160			
Client ID: P2-WW1MS		Batch ID: 56203		SOP 3034		Analysis Date: 10/21/2009		SeqNo: 2415981			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.4	75	125				
Barium	2.01	0.0050	2.000	0.1080	95.2	75	125				
Cadmium	0.0496	0.0020	0.05000	0	99.2	75	125				
Chromium	0.202	0.0100	0.2000	0	100.9	75	125				
Selenium	2.16	0.0500	2.000	0	108.0	75	125				
Silver	0.0466	0.0100	0.05000	0	93.2	75	125				

Client: PSC Industrial Outsourcing, LP

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Lab Order: 09100818

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ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 09100818-004CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/20/2009		RunNo: 128160			
Client ID: P2-WW1MSD		Batch ID: 56203		SOP 3034		Analysis Date: 10/21/2009		SeqNo: 2415982			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	103.8	75	125	2.087	0.577	20	
Barium	2.00	0.0050	2.000	0.1080	94.5	75	125	2.012	0.698	20	
Cadmium	0.0489	0.0020	0.05000	0	97.8	75	125	0.04960	1.42	20	
Chromium	0.194	0.0100	0.2000	0	97.2	75	125	0.2018	3.74	20	
Selenium	2.14	0.0500	2.000	0	107.1	75	125	2.161	0.883	20	
Silver	0.0490	0.0100	0.05000	0	98.0	75	125	0.04660	5.02	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: M_HG_AQ_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56230	SampType: MBLK	Units: mg/L	Prep Date: 10/21/2009	RunNo: 128250							
Client ID: ZZZZZZ	Batch ID: 56230	SOP 3062	Analysis Date: 10/22/2009	SeqNo: 2417275							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-56230		SampType: LCS		Units: mg/L		Prep Date: 10/21/2009		RunNo: 128250			
Client ID: ZZZZZZ		Batch ID: 56230		SOP 3062		Analysis Date: 10/22/2009		SeqNo: 2417276			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00513	0.00020	0.005000	0	102.6	85	115				

Sample ID: 09100818-004CMS		SampType: MS		Units: mg/L		Prep Date: 10/21/2009			RunNo: 128250		
Client ID: P2-WW1MS		Batch ID: 56230		SOP 3062		Analysis Date: 10/22/2009			SeqNo: 2417280		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00424	0.00020	0.005000	0	84.8	75	125				

Sample ID: 09100818-004CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/21/2009			RunNo: 128250		
Client ID: P2-WW1MSD		Batch ID: 56230		SOP 3062		Analysis Date: 10/22/2009			SeqNo: 2417281		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00420	0.00020	0.005000	0	84.0	75	125	0.004240	0.948	15	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

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ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_SOLID

Sample ID: MB-56232	SampType: MBLK	Units: mg/Kg				Prep Date: 10/21/2009			RunNo: 128250		
Client ID: ZZZZZZ	Batch ID: 56232	SOP 3063				Analysis Date: 10/22/2009			SeqNo: 2417310		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.010	0.010	0.01000	0	0	-100	100				

Sample ID: LCS-56232		SampType: LCS			Units: mg/Kg		Prep Date: 10/21/2009		RunNo: 128250		
Client ID: ZZZZZZ		Batch ID: 56232			SOP 3063		Analysis Date: 10/22/2009		SeqNo: 2417317		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.220	0.010	0.2500	0	87.8	85	115				

Sample ID: 09100818-003BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/21/2009			RunNo: 128250		
Client ID: P2-C1-W(10)MS	Batch ID: 56232	SOP 3063				Analysis Date: 10/22/2009			SeqNo: 2417332		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.394	0.013	0.3135	0.1474	78.6	75	125				

Sample ID: 09100818-003BMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 10/21/2009			RunNo: 128250			
Client ID: P2-C1-W(10)MSD		Batch ID: 56232		SOP 3063		Analysis Date: 10/22/2009			SeqNo: 2417333			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.384	0.013	0.3135	0.1474	75.6	75	125	0.3938	2.42	15	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

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ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLID_GF

Sample ID: MB-56211		SampType: MBLK		Units: mg/Kg-dry		Prep Date: 10/21/2009			RunNo: 128362		
Client ID: ZZZZZZ		Batch ID: 56211		SOP 3042		Analysis Date: 10/26/2009			SeqNo: 2419464		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	7740	< 0.600	0.600	0.6000	0	0	-100	100			
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Sample ID: LCS-56211		SampType: LCS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128362			
Client ID: ZZZZZZ		Batch ID: 56211		SOP 3042		Analysis Date: 10/26/2009		SeqNo: 2419465			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	7740	2.72	0.600	3.000	0	90.8	80	120			
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Sample ID: 09100818-001BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128362			
Client ID: P2-B1-W(20)MS		Batch ID: 56211		SOP 3042		Analysis Date: 10/26/2009		SeqNo: 2419476			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	7740	2.99	1.15	2.885	0	103.6	70	130			
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Sample ID: 09100818-001BMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128362			
Client ID: P2-B1-W(20)MSD		Batch ID: 56211		SOP 3042		Analysis Date: 10/26/2009		SeqNo: 2419477			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	7740	2.98	1.15	2.885	0	103.2	70	130	2.987	0.324	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: M_SOLIDS_ICP

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56207		SampType: MBLK		Units: mg/Kg-dry		Prep Date: 10/21/2009			RunNo: 128236		
Client ID: ZZZZZZ		Batch ID: 56207		SOP 3032		Analysis Date: 10/22/2009			SeqNo: 2416765		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 1.00	1.00	1.000	0	0	-100	100				
Lead	< 4.00	4.00	4.000	0	0	-100	100				

Sample ID: LCS-56207		SampType: LCS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128236			
Client ID: ZZZZZZ		Batch ID: 56207		SOP 3032		Analysis Date: 10/22/2009		SeqNo: 2416766			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	19.0	1.00	20.00	0	94.9	85	115				
Lead	47.9	4.00	50.00	0	95.8	85	115				

Sample ID: MB-56207		SampType: MBLK		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128214			
Client ID: ZZZZZZ		Batch ID: 56207		SOP 3032		Analysis Date: 10/22/2009		SeqNo: 2417040			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 2.50	2.50	2.500	0	0	-100	100				
Barium	< 0.50	0.50	0.5000	0	0	-100	100				
Cadmium	< 0.20	0.20	0.2000	0	0	-100	100				
Chromium	< 1.00	1.00	1.000	0	0	-100	100				
Lead	< 4.00	4.00	4.000	0	0	-100	100				
Selenium	< 4.00	4.00	4.000	0	0	-100	100				
Silver	< 0.55	0.55	1.000	0	0	-100	100				

Sample ID: LCS-56207		SampType: LCS			Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128214		
Client ID: ZZZZZZ		Batch ID: 56207			SOP 3032		Analysis Date: 10/22/2009		SeqNo: 2417041		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	205	2.50	200.0	0	102.7	85	115				
Barium	204	0.50	200.0	0	101.9	85	115				
Cadmium	5.07	0.20	5.000	0	101.4	85	115				
Chromium	20.8	1.00	20.00	0	104.1	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: M_SOLIDS_ICP

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-56207	SampType: LCS	Units: mg/Kg-dry				Prep Date: 10/21/2009			RunNo: 128214		
Client ID: ZZZZZZ	Batch ID: 56207	SOP 3032				Analysis Date: 10/22/2009			SeqNo: 2417041		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.5	4.00	50.00	0	103.0	85	115				
Selenium	206	4.00	200.0	0	102.8	85	115				
Silver	4.91	0.55	5.000	0	98.2	85	115				

Sample ID: 09100818-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/21/2009			RunNo: 128214		
Client ID: P2-B1-W(20)MS	Batch ID: 56207	SOP 3032				Analysis Date: 10/22/2009			SeqNo: 2417054		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	199	2.45	196.1	2.255	100.2	75	125				
Barium	205	0.49	196.1	27.15	90.7	75	125				
Cadmium	4.59	0.20	4.902	0.1275	91.0	75	125				
Chromium	37.8	0.98	19.61	17.90	101.5	75	125				
Lead	56.9	3.92	49.02	11.82	92.0	75	125				
Silver	4.35	0.54	4.902	0	88.8	75	125				

Sample ID: 09100818-001BMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 10/21/2009			RunNo: 128214		
Client ID: P2-B1-W(20)MSD		Batch ID: 56207		SOP 3032		Analysis Date: 10/22/2009			SeqNo: 2417055		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	195	2.45	196.1	2.255	98.2	75	125	198.8	2.09	20	
Barium	201	0.49	196.1	27.24	88.8	75	125	205.0	1.83	20	
Cadmium	4.50	0.20	4.902	0.1176	89.4	75	125	4.588	1.94	20	
Chromium	37.4	0.98	19.61	17.55	101.2	75	125	37.80	1.10	20	
Lead	55.2	3.92	49.02	11.90	88.4	75	125	56.90	2.97	20	
Silver	4.41	0.54	4.902	0	90.0	75	125	4.353	1.34	20	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

Sample ID: MB-56216	SampType: MBLK	Units: mg/Kg	Prep Date: 10/21/2009	RunNo: 128345							
Client ID: ZZZZZZ	Batch ID: 56216	SW3550B	Analysis Date: 10/26/2009	SeqNo: 2419044							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
2,4,5-Trichlorophenol	ND	0.350									
2,4,6-Trichlorophenol	ND	0.350									
2,4-Dichlorophenol	ND	0.500									
2,4-Dimethylphenol	ND	0.500									
2,4-Dinitrophenol	ND	1.00									
2,4-Dinitrotoluene	ND	0.350									
2,6-Dinitrotoluene	ND	0.350									
2-Chloronaphthalene	ND	0.350									
2-Chlorophenol	ND	0.500									
2-Methoxy-4-methylphenol	ND	0.650									
2-Methylnaphthalene	ND	0.350									
2-Nitroaniline	ND	1.00									
2-Nitrophenol	ND	0.350									
3,3´-Dichlorobenzidine	ND	0.350									
3-Nitroaniline	ND	1.00									
4,6-Dinitro-2-methylphenol	ND	1.00									
4-Bromophenyl phenyl ether	ND	0.350									
4-Chloro-3-methylphenol	ND	0.500									
4-Chloroaniline	ND	0.500									
4-Chlorophenyl phenyl ether	ND	0.350									
4-Nitroaniline	ND	0.500									
4-Nitrophenol	ND	0.350									
Acenaphthene	ND	0.350									
Acenaphthylene	ND	0.350									
Aniline	ND	0.500									
Anthracene	ND	0.350									
Azobenzene	ND	0.350									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56216	SampType: MBLK	Units: mg/Kg			Prep Date: 10/21/2009			RunNo: 128345			
Client ID: ZZZZZZ	Batch ID: 56216	SW3550B			Analysis Date: 10/26/2009			SeqNo: 2419044			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	ND	1.06									
Benzo(a)anthracene	ND	0.350									
Benzo(a)pyrene	ND	0.350									
Benzo(b)fluoranthene	ND	0.350									
Benzo(g,h,i)perylene	ND	0.350									
Benzo(k)fluoranthene	ND	0.350									
Benzoic acid	ND	1.50									
Benzyl alcohol	ND	0.500									
Bis(2-chloroethoxy)methane	ND	0.350									
Bis(2-chloroethyl)ether	ND	0.500									
Bis(2-chloroisopropyl)ether	ND	0.350									
Bis(2-ethylhexyl)phthalate	ND	0.350									
Butyl benzyl phthalate	ND	0.350									
Carbazole	ND	0.500									
Chrysene	ND	0.350									
Dibenzo(a,h)anthracene	ND	0.350									
Dibenzofuran	ND	0.350									
Diethyl phthalate	ND	0.500									
Dimethyl phthalate	ND	0.350									
Di-n-butyl phthalate	ND	0.350									
Di-n-octyl phthalate	ND	0.350									
Fluoranthene	ND	0.350									
Fluorene	ND	0.350									
Hexachlorobenzene	ND	0.350									
Hexachlorobutadiene	ND	0.500									
Hexachlorocyclopentadiene	ND	0.350									
Hexachloroethane	ND	0.500									
Indeno(1,2,3-cd)pyrene	ND	0.350									
Isophorone	ND	0.350									
m,p-Cresol	ND	0.500									
Naphthalene	ND	0.350									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56216	SampType: MBLK	Units: mg/Kg			Prep Date: 10/21/2009			RunNo: 128345			
Client ID: ZZZZZZ	Batch ID: 56216	SW3550B			Analysis Date: 10/26/2009			SeqNo: 2419044			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	ND	0.500									
N-Nitrosodimethylamine	ND	0.500									
N-Nitroso-di-n-propylamine	ND	0.500									
N-Nitrosodiphenylamine	ND	0.500									
o-Cresol	ND	0.500									
Pentachlorophenol	ND	2.00									
Phenanthrene	ND	0.350									
Phenol	ND	0.350									
Pyrene	ND	0.500									
Pyridine	ND	0.500									
Quinoline	ND	0.200									
1,2-Diphenylhydrazine	ND	0.840									
Surr: 2,4,6-Tribromophenol	1.54		1.670		92.5	52.1	113				
Surr: 2-Fluorobiphenyl	0.705		0.8350		84.4	46.3	106				
Surr: 2-Fluorophenol	1.16		1.670		69.4	50.6	89				
Surr: Nitrobenzene-d5	0.623		0.8350		74.7	42.4	99.2				
Surr: Phenol-d5	1.35		1.670		80.7	55.9	98.5				
Surr: p-Terphenyl-d14	0.943		0.8350		112.9	45.5	115				

Sample ID: LCS-56216	SampType: LCS	Units: mg/Kg				Prep Date: 10/21/2009			RunNo: 128345		
Client ID: ZZZZZZ	Batch ID: 56216	SW3550B				Analysis Date: 10/26/2009			SeqNo: 2419045		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.51	0.500	1.670	0	90.4	43.9	92.2				
1,4-Dichlorobenzene	1.20	0.500	1.670	0	72.1	43.8	84.1				
2,4,5-Trichlorophenol	2.98	0.350	3.330	0	89.3	38.6	123				
2,4,6-Trichlorophenol	2.77	0.350	3.330	0	83.1	35.9	123				
2,4-Dimethylphenol	2.12	0.500	3.330	0	63.6	38.3	88				
2,4-Dinitrophenol	3.70	1.00	3.330	0	111.2	1.88	162				
2,4-Dinitrotoluene	1.57	0.350	1.670	0	94.0	48.6	102				
2-Chlorophenol	2.31	0.500	3.330	0	69.2	46.6	84				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-56216		SampType: LCS		Units: mg/Kg		Prep Date: 10/21/2009		RunNo: 128345			
Client ID: ZZZZZZ		Batch ID: 56216		SW3550B		Analysis Date: 10/26/2009		SeqNo: 2419045			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	2.73	0.500	3.330	0	81.9	51.5	94.9				
4-Nitrophenol	3.28	0.350	3.330	0	98.4	53.2	104				
Acenaphthene	1.57	0.350	1.670	0	94.2	50.8	113				
Acenaphthylene	2.14	0.350	1.670	0	128.0	52.8	121				S
Anthracene	1.60	0.350	1.670	0	95.8	53.3	115				
Benzo(a)anthracene	1.34	0.350	1.670	0	80.0	62.3	110				
Benzo(a)pyrene	1.68	0.350	1.670	0	100.8	58.2	109				
Benzo(b)fluoranthene	1.58	0.350	1.670	0	94.6	51.8	107				
Benzo(g,h,i)perylene	1.67	0.350	1.670	0	99.8	49.6	121				
Benzo(k)fluoranthene	1.74	0.350	1.670	0	104.4	63.1	129				
Bis(2-ethylhexyl)phthalate	1.60	0.350	1.670	0	95.9	56.3	109				
Chrysene	1.87	0.350	1.670	0	111.9	58.4	115				
Dibenzo(a,h)anthracene	1.80	0.350	1.670	0	107.5	54.9	120				
Diethyl phthalate	2.89	0.500	3.330	0	86.9	51.7	106				
Dimethyl phthalate	2.82	0.350	3.330	0	84.7	58.8	104				
Di-n-butyl phthalate	1.69	0.350	1.670	0	101.5	54.3	105				
Fluoranthene	1.63	0.350	1.670	0	97.5	61.6	113				
Fluorene	1.72	0.350	1.670	0	103.1	52.2	116				
Hexachlorobenzene	2.86	0.350	3.330	0	85.7	55.9	106				
Hexachlorobutadiene	2.62	0.500	3.330	0	78.6	35.7	100				
Hexachloroethane	2.34	0.500	3.330	0	70.2	38.9	89.9				
Indeno(1,2,3-cd)pyrene	1.74	0.350	1.670	0	104.5	52.7	115				
m,p-Cresol	1.39	0.500	1.670	0	83.1	37.6	93.7				
Naphthalene	1.30	0.350	1.670	0	78.0	45.7	101				
Nitrobenzene	2.52	0.500	3.330	0	75.7	51.8	104				
N-Nitroso-di-n-propylamine	1.43	0.500	1.670	0	85.9	49.1	94.5				
o-Cresol	1.40	0.500	1.670	0	83.6	43	101				
Pentachlorophenol	3.21	2.00	3.330	0	96.3	42.2	102				
Phenanthrene	1.65	0.350	1.670	0	99.1	52.9	113				
Phenol	2.51	0.350	3.330	0	75.4	41.6	81.3				
Pyrene	1.73	0.500	1.670	0	103.4	60.7	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-56216		SampType: LCS		Units: mg/Kg		Prep Date: 10/21/2009			RunNo: 128345		
Client ID: ZZZZZZ		Batch ID: 56216		SW3550B		Analysis Date: 10/26/2009			SeqNo: 2419045		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Pyridine	1.79	0.500	3.330	0	53.9	3.61	74.3				
Quinoline	1.53	0.200	1.670	0	91.6	61.9	102				
Surr: 2,4,6-Tribromophenol	1.65		1.670		98.6	52.1	113				
Surr: 2-Fluorobiphenyl	0.674		0.8350		80.7	46.3	106				
Surr: 2-Fluorophenol	1.12		1.670		67.0	50.6	89				
Surr: Nitrobenzene-d5	0.554		0.8350		66.4	42.4	99.2				
Surr: Phenol-d5	1.26		1.670		75.5	55.9	98.5				
Surr: p-Terphenyl-d14	0.897		0.8350		107.5	45.5	115				

Sample ID: 09100818-003AMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128345			
Client ID: P2-C1-W(10)MS		Batch ID: 56216		SW3550B		Analysis Date: 10/26/2009		SeqNo: 2419055			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	16.0	2.138	0	0	35.9	102				S
1,4-Dichlorobenzene	ND	16.0	2.138	0	0	29.8	95.5				S
2,4,5-Trichlorophenol	4.3	11.2	4.262	0	100	38.6	123				J
2,4,6-Trichlorophenol	ND	11.2	4.262	0	0	35.9	123				S
2,4-Dimethylphenol	4.3	16.0	4.262	0	101.8	38.3	88				JS
2,4-Dinitrophenol	ND	32.0	4.262	0	0	1.88	162				S
2,4-Dinitrotoluene	ND	11.2	2.138	0	0	37.5	107				S
2-Chlorophenol	ND	16.0	4.262	0	0	22.6	108				S
4-Chloro-3-methylphenol	4.0	16.0	4.262	0	95.0	19.3	131				J
4-Nitrophenol	6.3	11.2	4.262	0	147.8	27.6	123				JS
Diethyl phthalate	5.0	16.0	4.262	0	118.5	51.7	106				JS
Dimethyl phthalate	4.4	11.2	4.262	0	102.1	58.8	104				J
Di-n-butyl phthalate	ND	3.30	2.138	0	0	54.3	105				S
Hexachlorobenzene	4.2	11.2	4.262	0	98.1	55.9	106				J
Hexachlorobutadiene	ND	16.0	4.262	0	0	35.7	100				S
Hexachloroethane	ND	16.0	4.262	0	0	38.9	89.9				S
m,p-Cresol	ND	16.0	2.138	0	0	37.6	93.7				S
Nitrobenzene	ND	16.0	4.262	0	0	51.8	104				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: 09100818-003AMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128345			
Client ID: P2-C1-W(10)MS		Batch ID: 56216		SW3550B		Analysis Date: 10/26/2009		SeqNo: 2419055			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitroso-di-n-propylamine	ND	16.0	2.138	0	0	45.5	99.1				S
o-Cresol	ND	16.0	2.138	0	0	43	101				S
Pentachlorophenol	ND	64.0	4.262	0	0	18.5	113				S
Phenol	3.8	11.2	4.262	0	88.4	20.8	110				J
Pyridine	ND	16.0	4.262	0	0	3.61	74.3				S
Surr: 2,4,6-Tribromophenol	1.83		2.138		85.8	32.7	130				
Surr: 2-Fluorobiphenyl	0.917		1.069		85.8	34.1	116				
Surr: 2-Fluorophenol	1.67		2.138		78.3	30.5	99				
Surr: Nitrobenzene-d5	1.21		1.069		112.8	34.1	101				S
Surr: Phenol-d5	1.92		2.138		89.8	34.9	110				
Surr: p-Terphenyl-d14	1.15		1.069		107.8	41.7	124				

Sample ID: 09100818-003AMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128345			
Client ID: P2-C1-W(10)MSD		Batch ID: 56216		SW3550B		Analysis Date: 10/26/2009		SeqNo: 2419055			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	16.0	2.134	0	0	35.9	102	0	0	40	S
1,4-Dichlorobenzene	ND	16.0	2.134	0	0	29.8	95.5	0	0	40	S
2,4,5-Trichlorophenol	3.9	11.2	4.255	0	92.1	38.6	123	4.261	0	40	J
2,4,6-Trichlorophenol	ND	11.2	4.255	0	0	35.9	123	0	0	40	S
2,4-Dimethylphenol	4.8	16.0	4.255	0	112.3	38.3	88	4.340	0	40	JS
2,4-Dinitrophenol	ND	31.9	4.255	0	0	1.88	162	0	0	40	S
2,4-Dinitrotoluene	ND	11.2	2.134	0	0	37.5	107	0	0	40	S
2-Chlorophenol	ND	16.0	4.255	0	0	22.6	108	0	0	40	S
4-Chloro-3-methylphenol	4.3	16.0	4.255	0	100.7	19.3	131	4.051	0	40	J
4-Nitrophenol	3.9	11.2	4.255	0	92.3	27.6	123	6.301	0	40	J
Diethyl phthalate	5.0	16.0	4.255	0	117.1	51.7	106	5.052	0	40	JS
Dimethyl phthalate	4.6	11.2	4.255	0	108.4	58.8	104	4.353	0	40	JS
Di-n-butyl phthalate	ND	11.2	2.134	0	0	54.3	105	0	0	40	S
Hexachlorobenzene	4.3	11.2	4.255	0	101.9	55.9	106	4.183	0	40	J
Hexachlorobutadiene	ND	16.0	4.255	0	0	35.7	100	0	0	40	S

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

Sample ID: 09100818-003AMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128345			
Client ID: P2-C1-W(10)MSD		Batch ID: 56216		SW3550B		Analysis Date: 10/26/2009		SeqNo: 2419056			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	ND	16.0	4.255	0	0	38.9	89.9	0	0	40	S
m,p-Cresol	ND	16.0	2.134	0	0	37.6	93.7	0	0	40	S
Nitrobenzene	4.3	16.0	4.255	0	101.3	51.8	104	0	0	40	J
N-Nitroso-di-n-propylamine	ND	16.0	2.134	0	0	45.5	99.1	0	0	40	S
o-Cresol	ND	16.0	2.134	0	0	43	101	0	0	40	S
Pentachlorophenol	ND	63.9	4.255	0	0	18.5	113	0	0	40	S
Phenol	3.8	11.2	4.255	0	90.1	20.8	110	3.769	0	40	J
Pyridine	ND	16.0	4.255	0	0	3.61	74.3	0	0	40	S
Surr: 2,4,6-Tribromophenol	1.84		2.134		86.3	32.7	130		0	40	
Surr: 2-Fluorobiphenyl	0.916		1.067		85.8	34.1	116		0	40	
Surr: 2-Fluorophenol	1.69		2.134		79.3	30.5	99		0	40	
Surr: Nitrobenzene-d5	1.45		1.067		135.7	34.1	101		0	40	S
Surr: Phenol-d5	1.90		2.134		88.8	34.9	110		0	40	
Surr: p-Terphenyl-d14	1.11		1.067		103.8	41.7	124		0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S_SIMS

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56217	SampType: MBLK	Units: mg/Kg			Prep Date: 10/21/2009			RunNo: 128261			
Client ID: ZZZZZZ	Batch ID: 56217	SW3550B			Analysis Date: 10/22/2009			SeqNo: 2417453			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.003									
Acenaphthylene	ND	0.003									
Anthracene	ND	0.003									
Benzo(a)anthracene	ND	0.003									
Benzo(a)pyrene	ND	0.003									
Benzo(b)fluoranthene	ND	0.003									
Benzo(g,h,i)perylene	ND	0.003									
Benzo(k)fluoranthene	ND	0.003									
Bis(2-ethylhexyl)phthalate	ND	0.067									
Chrysene	ND	0.003									
Dibenzo(a,h)anthracene	ND	0.003									
Diethyl phthalate	ND	0.034									
Dimethyl phthalate	ND	0.034									
Di-n-butyl phthalate	ND	0.034									
Fluoranthene	ND	0.003									
Fluorene	ND	0.003									
Indeno(1,2,3-cd)pyrene	ND	0.003									
Naphthalene	ND	0.003									
Phenanthrene	ND	0.003									
Pyrene	ND	0.003									
Surr: 2-Fluorobiphenyl	0.650		0.8330		78.0	17.5	123				
Surr: 2-Fluorophenol	1.35		1.670		80.9	23	117				
Surr: Nitrobenzene-d5	0.665		0.8330		79.8	35	105				
Surr: Phenol-d5	1.37		1.670		82.1	33.2	125				
Surr: p-Terphenyl-d14	0.738		0.8330		88.6	53.6	122				

Sample ID: LCS-56217	SampType: LCS	Units: mg/Kg				Prep Date: 10/21/2009			RunNo: 128261		
Client ID: ZZZZZZ	Batch ID: 56217	SW3550B				Analysis Date: 10/22/2009			SeqNo: 2417454		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.123	0.003	0.1670	0	73.5	56.3	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S_SIMS

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-56217		SampType: LCS		Units: mg/Kg		Prep Date: 10/21/2009		RunNo: 128261			
Client ID: ZZZZZZ		Batch ID: 56217		SW3550B		Analysis Date: 10/22/2009		SeqNo: 2417454			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	0.176	0.003	0.1670	0	105.2	60.3	143				
Anthracene	0.119	0.003	0.1670	0	71.4	52.1	109				
Benzo(a)anthracene	0.113	0.003	0.1670	0	67.7	52.8	112				
Benzo(a)pyrene	0.130	0.003	0.1670	0	77.8	40.8	127				
Benzo(b)fluoranthene	0.136	0.003	0.1670	0	81.2	50.1	150				
Benzo(g,h,i)perylene	0.137	0.003	0.1670	0	82.3	52.8	145				
Benzo(k)fluoranthene	0.138	0.003	0.1670	0	82.5	52	153				
Bis(2-ethylhexyl)phthalate	0.154	0.067	0.1670	0	92.2	50	150				
Chrysene	0.144	0.003	0.1670	0	86.2	60.8	128				
Dibenzo(a,h)anthracene	0.135	0.003	0.1670	0	81.0	54.9	150				
Diethyl phthalate	0.144	0.034	0.1670	0	86.0	50	150				
Dimethyl phthalate	0.130	0.034	0.1670	0	78.1	50	150				
Di-n-butyl phthalate	0.142	0.034	0.1670	0	85.0	50	150				
Fluoranthene	0.130	0.003	0.1670	0	77.6	58.7	125				
Fluorene	0.128	0.003	0.1670	0	76.7	57.8	125				
Indeno(1,2,3-cd)pyrene	0.140	0.003	0.1670	0	83.8	52	147				
Naphthalene	0.116	0.003	0.1670	0	69.4	54.8	113				
Phenanthrene	0.120	0.003	0.1670	0	71.8	60.4	121				
Pyrene	0.136	0.003	0.1670	0	81.2	57.9	129				
Surr: 2-Fluorobiphenyl	0.651		0.8330		78.1	35.3	113				
Surr: 2-Fluorophenol	1.27		1.670		76.3	13.6	123				
Surr: Nitrobenzene-d5	0.655		0.8330		78.6	33.9	108				
Surr: Phenol-d5	1.39		1.670		83.0	33.7	129				
Surr: p-Terphenyl-d14	0.731		0.8330		87.8	58.4	122				

Sample ID: 09100818-001AMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128261			
Client ID: P2-B1-W(20)MS		Batch ID: 56217		SW3550B		Analysis Date: 10/23/2009		SeqNo: 2417462			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	17.1	0.190	0.1864	17.62	-289.8	36	135				S
Acenaphthylene	65.8	0.190	0.1864	20.57	24260	17.2	167				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S_SIMS

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: 09100818-001AMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128261			
Client ID: P2-B1-W(20)MS		Batch ID: 56217		SW3550B		Analysis Date: 10/23/2009		SeqNo: 2417462			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	41.7	0.190	0.1864	17.28	13130	39.3	124				S
Benzo(a)anthracene	21.0	0.190	0.1864	7.402	7291	10	183				S
Benzo(a)pyrene	21.2	0.190	0.1864	7.720	7250	10	204				S
Benzo(b)fluoranthene	22.6	0.190	0.1864	5.977	8932	10.6	178				S
Benzo(g,h,i)perylene	6.09	0.190	0.1864	2.219	2075	10	168				S
Benzo(k)fluoranthene	8.97	0.190	0.1864	1.824	3836	27.6	181				S
Bis(2-ethylhexyl)phthalate	ND	3.74	0.1864	0	0	50	150				S
Chrysene	22.1	0.190	0.1864	8.341	7399	10	176				S
Dibenzo(a,h)anthracene	2.14	0.190	0.1864	0.5985	825.6	12.2	156				S
Fluoranthene	73.0	0.190	0.1864	19.76	28570	10	227				S
Fluorene	44.7	0.190	0.1864	19.07	13780	35.2	148				S
Indeno(1,2,3-cd)pyrene	6.70	0.190	0.1864	1.865	2596	10	164				S
Pyrene	58.0	0.190	0.1864	29.98	15040	10	180				S
Surr: 2-Fluorobiphenyl	0.391		0.9296		42.0	10	131				
Surr: Nitrobenzene-d5	0.428		0.9296		46.0	10	132				
Surr: p-Terphenyl-d14	0.446		0.9296		48.0	30.6	131				

Sample ID: 09100818-001AMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 10/21/2009		RunNo: 128261			
Client ID: P2-B1-W(20)MSD		Batch ID: 56217		SW3550B		Analysis Date: 10/23/2009		SeqNo: 2417463			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	7.18	0.193	0.1894	17.62	-5513	36	135	17.08	81.7	49.7	SR
Acenaphthylene	26.6	0.193	0.1894	20.57	3202	17.2	167	65.78	84.7	33.3	SR
Anthracene	16.5	0.193	0.1894	17.28	-418.7	39.3	124	41.74	86.7	51.1	SR
Benzo(a)anthracene	8.37	0.193	0.1894	7.402	512.2	10	183	20.99	85.9	40.6	SR
Benzo(a)pyrene	8.47	0.193	0.1894	7.720	397.2	10	204	21.23	85.9	56.4	SR
Benzo(b)fluoranthene	8.99	0.193	0.1894	5.977	1593	10.6	178	22.62	86.2	49.7	SR
Benzo(g,h,i)perylene	2.49	0.193	0.1894	2.219	143.2	10	168	6.085	83.9	36.5	R
Benzo(k)fluoranthene	3.59	0.193	0.1894	1.824	933.6	27.6	181	8.972	85.6	42.6	SR
Bis(2-ethylhexyl)phthalate	ND	3.80	0.1894	0	0	50	150	0	0	60.3	S
Chrysene	9.57	0.193	0.1894	8.341	649.2	10	176	22.13	79.2	45.1	SR

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_S_SIMS

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: 09100818-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 10/21/2009			RunNo: 128261		
Client ID: P2-B1-W(20)MSD	Batch ID: 56217	SW3550B				Analysis Date: 10/23/2009			SeqNo: 2417463		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.870	0.193	0.1894	0.5985	143.2	12.2	156	2.137	84.3	39.9	R
Fluoranthene	28.4	0.193	0.1894	19.76	4576	10	227	73.01	87.9	66.2	SR
Fluorene	18.1	0.193	0.1894	19.07	-491.2	35.2	148	44.74	84.6	65.6	SR
Indeno(1,2,3-cd)pyrene	2.79	0.193	0.1894	1.865	489.6	10	164	6.703	82.4	36.5	SR
Pyrene	23.1	0.193	0.1894	29.98	-3608	10	180	58.00	85.9	60.1	SR
Surr: 2-Fluorobiphenyl	0.170		0.9450		18.0	10	131		0	40	
Surr: Nitrobenzene-d5	0.170		0.9450		18.0	10	132		0	40	
Surr: p-Terphenyl-d14	0.189		0.9450		20.0	30.6	131		0	40	S

Sample ID: 09100818-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/21/2009			RunNo: 128294		
Client ID: P2-B1-W(20)MS	Batch ID: 56217	SW3550B				Analysis Date: 10/23/2009			SeqNo: 2419150		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	56.9	0.949	0.1864	104.4	-25510	14.7	128				S
Phenanthrene	42.3	0.949	0.1864	68.16	-13850	32.8	143				S

Sample ID: 09100818-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 10/21/2009			RunNo: 128294		
Client ID: P2-B1-W(20)MSD	Batch ID: 56217	SW3550B				Analysis Date: 10/23/2009			SeqNo: 2419151		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	69.1	0.964	0.1894	113.2	-23290	14.7	128	239.5	110	39.6	SR
Phenanthrene	51.2	0.964	0.1894	73.58	-11800	32.8	143	158.5	102	35.4	SR

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W

Sample ID: MB-56227	SampType: MBLK	Units: mg/L			Prep Date: 10/21/2009			RunNo: 128319			
Client ID: ZZZZZZ	Batch ID: 56227	SW3510C			Analysis Date: 10/23/2009			SeqNo: 2418491			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.010									
1,2-Dichlorobenzene	ND	0.010									
1,3-Dichlorobenzene	ND	0.010									
1,4-Dichlorobenzene	ND	0.010									
2,4,5-Trichlorophenol	ND	0.010									
2,4,6-Trichlorophenol	ND	0.010									
2,4-Dichlorophenol	ND	0.010									
2,4-Dimethylphenol	ND	0.010									
2,4-Dinitrophenol	ND	0.020									
2,4-Dinitrotoluene	ND	0.010									
2,6-Dinitrotoluene	ND	0.010									
2-Chloronaphthalene	ND	0.010									
2-Chlorophenol	ND	0.010									
2-Methoxy-4-methylphenol	ND	0.010									
2-Methylnaphthalene	ND	0.010									
2-Nitroaniline	ND	0.040									
2-Nitrophenol	ND	0.020									
3,3´-Dichlorobenzidine	ND	0.010									
3-Nitroaniline	ND	0.040									
4,6-Dinitro-2-methylphenol	ND	0.020									
4-Bromophenyl phenyl ether	ND	0.010									
4-Chloro-3-methylphenol	ND	0.020									
4-Chloroaniline	ND	0.020									
4-Chlorophenyl phenyl ether	ND	0.010									
4-Nitroaniline	ND	0.020									
4-Nitrophenol	ND	0.020									
Acenaphthene	ND	0.010									
Acenaphthylene	ND	0.010									
Aniline	ND	0.020									
Anthracene	ND	0.010									
Azobenzene	ND	0.010									

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W

Sample ID: MB-56227	SampType: MBLK	Units: mg/L			Prep Date: 10/21/2009			RunNo: 128319			
Client ID: ZZZZZZ	Batch ID: 56227	SW3510C			Analysis Date: 10/23/2009			SeqNo: 2418491			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	ND	0.040									
Benzo(a)anthracene	ND	0.010									
Benzo(a)pyrene	ND	0.010									
Benzo(b)fluoranthene	ND	0.010									
Benzo(g,h,i)perylene	ND	0.010									
Benzo(k)fluoranthene	ND	0.010									
Benzoic acid	ND	0.050									
Benzyl alcohol	ND	0.020									
Bis(2-chloroethoxy)methane	ND	0.010									
Bis(2-chloroethyl)ether	ND	0.010									
Bis(2-chloroisopropyl)ether	ND	0.010									
Bis(2-ethylhexyl)phthalate	ND	0.006									
Butyl benzyl phthalate	ND	0.010									
Carbazole	ND	0.020									
Chrysene	ND	0.010									
Dibenzo(a,h)anthracene	ND	0.010									
Dibenzofuran	ND	0.010									
Diethyl phthalate	ND	0.010									
Dimethyl phthalate	ND	0.010									
Di-n-butyl phthalate	ND	0.010									
Di-n-octyl phthalate	ND	0.010									
Fluoranthene	ND	0.010									
Fluorene	ND	0.010									
Hexachlorobenzene	ND	0.010									
Hexachlorobutadiene	ND	0.010									
Hexachlorocyclopentadiene	ND	0.020									
Hexachloroethane	ND	0.010									
Indeno(1,2,3-cd)pyrene	ND	0.010									
Isophorone	ND	0.010									
m,p-Cresol	ND	0.010									
Naphthalene	ND	0.010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MB-56227		SampType: MBLK		Units: mg/L		Prep Date: 10/21/2009			RunNo: 128319		
Client ID: ZZZZZZ		Batch ID: 56227		SW3510C		Analysis Date: 10/23/2009			SeqNo: 2418491		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrobenzene	ND	0.010									
N-Nitrosodimethylamine	ND	0.020									
N-Nitroso-di-n-propylamine	ND	0.010									
N-Nitrosodiphenylamine	ND	0.010									
o-Cresol	ND	0.010									
Pentachlorophenol	ND	0.020									
Phenanthrene	ND	0.010									
Phenol	ND	0.005									
Pyrene	ND	0.010									
Pyridine	ND	0.020									
Quinoline	ND	0.005									
1,2-Diphenylhydrazine	ND	0									
Surr: 2,4,6-Tribromophenol	0.044		0.05000		88.5	46.1	133				
Surr: 2-Fluorobiphenyl	0.022		0.02500		87.1	47.3	111				
Surr: 2-Fluorophenol	0.026		0.05000		51.2	23.4	74.8				
Surr: Nitrobenzene-d5	0.022		0.02500		89.5	40.6	108				
Surr: Phenol-d5	0.018		0.05000		35.3	17.8	50.9				
Surr: p-Terphenyl-d14	0.027		0.02500		109.9	52.2	124				

Sample ID: LCS-56227		SampType: LCS		Units: mg/L		Prep Date: 10/21/2009		RunNo: 128319			
Client ID: ZZZZZZ		Batch ID: 56227		SW3510C		Analysis Date: 10/23/2009		SeqNo: 2418492			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	0.033	0.010	0.05000	0	67.0	45.1	97.4				
1,4-Dichlorobenzene	0.029	0.010	0.05000	0	58.9	43.2	86.1				
2,4,5-Trichlorophenol	0.094	0.010	0.1000	0	94.0	56.5	117				
2,4,6-Trichlorophenol	0.083	0.010	0.1000	0	83.2	52.3	113				
2,4-Dimethylphenol	0.082	0.010	0.1000	0	82.2	56.4	105				
2,4-Dinitrophenol	0.084	0.020	0.1000	0	83.8	37.4	119				
2,4-Dinitrotoluene	0.048	0.010	0.05000	0	95.9	52.8	110				
2-Chlorophenol	0.070	0.010	0.1000	0	70.4	51.7	95.4				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-56227	SampType: LCS	Units: mg/L				Prep Date: 10/21/2009	RunNo: 128319				
Client ID: ZZZZZZ	Batch ID: 56227	SW3510C				Analysis Date: 10/23/2009	SeqNo: 2418492				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	0.089	0.020	0.1000	0	89.1	55.4	109				
4-Nitrophenol	0.037	0.020	0.1000	0	37.4	19.4	50.5				
Acenaphthene	0.046	0.010	0.05000	0	92.5	53.4	101				
Acenaphthylene	0.066	0.010	0.05000	0	131.9	52.3	146				
Anthracene	0.049	0.010	0.05000	0	97.6	53.7	105				
Benzo(a)anthracene	0.041	0.010	0.05000	0	81.5	53.4	105				
Benzo(a)pyrene	0.053	0.010	0.05000	0	105.1	57	112				
Benzo(b)fluoranthene	0.044	0.010	0.05000	0	87.7	48	99.8				
Benzo(g,h,i)perylene	0.052	0.010	0.05000	0	103.1	50	113				
Benzo(k)fluoranthene	0.055	0.010	0.05000	0	111.0	51.5	125				
Bis(2-ethylhexyl)phthalate	0.052	0.006	0.05000	0	104.9	52.9	115				
Chrysene	0.056	0.010	0.05000	0	111.0	50.5	115				
Dibenzo(a,h)anthracene	0.055	0.010	0.05000	0	110.4	53.6	112				
Diethyl phthalate	0.092	0.010	0.1000	0	91.8	54.4	111				
Dimethyl phthalate	0.090	0.010	0.1000	0	90.4	56.5	107				
Di-n-butyl phthalate	0.048	0.010	0.05000	0	96.3	52.7	113				
Fluoranthene	0.047	0.010	0.05000	0	95.0	55.3	108				
Fluorene	0.047	0.010	0.05000	0	93.7	52.5	106				
Hexachlorobenzene	0.093	0.010	0.1000	0	92.8	55.6	113				
Hexachlorobutadiene	0.057	0.010	0.1000	0	57.3	42.3	98.5				
Hexachloroethane	0.057	0.010	0.1000	0	56.5	37.4	90.8				
Indeno(1,2,3-cd)pyrene	0.048	0.010	0.05000	0	96.1	50.9	112				
m,p-Cresol	0.032	0.010	0.05000	0	63.8	44	85.1				
Naphthalene	0.037	0.010	0.05000	0	74.0	48.8	94.7				
Nitrobenzene	0.077	0.010	0.1000	0	77.0	48.1	102				
N-Nitroso-di-n-propylamine	0.040	0.010	0.05000	0	80.4	53.2	110				
o-Cresol	0.033	0.010	0.05000	0	66.7	46.7	91.9				
Pentachlorophenol	0.094	0.020	0.1000	0	94.4	43.4	111				
Phenanthrene	0.047	0.010	0.05000	0	94.1	52.6	108				
Phenol	0.031	0.005	0.1000	0	30.9	21.9	42.6				
Pyrene	0.047	0.010	0.05000	0	94.8	54.3	107				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-56227	SampType: LCS	Units: mg/L				Prep Date: 10/21/2009			RunNo: 128319		
Client ID: ZZZZZZ	Batch ID: 56227	SW3510C				Analysis Date: 10/23/2009			SeqNo: 2418492		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyridine	0.052	0.020	0.1000	0	51.9	20.2	61.5				
Quinoline	0.044	0.005	0.05000	0	87.4	58.5	111				
Surr: 2,4,6-Tribromophenol	0.048		0.05000		96.8	46.1	133				
Surr: 2-Fluorobiphenyl	0.020		0.02500		79.4	47.3	111				
Surr: 2-Fluorophenol	0.025		0.05000		50.2	23.4	74.8				
Surr: Nitrobenzene-d5	0.020		0.02500		79.4	40.6	108				
Surr: Phenol-d5	0.017		0.05000		33.8	17.8	50.9				
Surr: p-Terphenyl-d14	0.024		0.02500		96.2	52.2	124				

Sample ID: LCSD-56227	SampType: LCSD	Units: mg/L				Prep Date: 10/21/2009			RunNo: 128319		
Client ID: ZZZZZZ	Batch ID: 56227	SW3510C				Analysis Date: 10/23/2009			SeqNo: 2418493		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.035	0.010	0.05000	0	70.8	45.1	97.4	0.03349	5.48	40	
1,4-Dichlorobenzene	0.030	0.010	0.05000	0	60.3	43.2	86.1	0.02944	2.34	40	
2,4,5-Trichlorophenol	0.092	0.010	0.1000	0	92.4	56.5	117	0.09404	1.75	40	
2,4,6-Trichlorophenol	0.080	0.010	0.1000	0	79.8	52.3	113	0.08317	4.13	40	
2,4-Dimethylphenol	0.081	0.010	0.1000	0	81.1	56.4	105	0.08224	1.38	40	
2,4-Dinitrophenol	0.098	0.020	0.1000	0	97.7	37.4	119	0.08379	15.3	40	
2,4-Dinitrotoluene	0.049	0.010	0.05000	0	97.9	52.8	110	0.04797	2.04	40	
2-Chlorophenol	0.069	0.010	0.1000	0	69.1	51.7	95.4	0.07042	1.91	60.5	
4-Chloro-3-methylphenol	0.093	0.020	0.1000	0	92.7	55.4	109	0.08907	4.00	40	
4-Nitrophenol	0.041	0.020	0.1000	0	41.0	19.4	50.5	0.03737	9.15	40	
Acenaphthene	0.045	0.010	0.05000	0	89.7	53.4	101	0.04624	3.09	40	
Acenaphthylene	0.064	0.010	0.05000	0	128.8	52.3	146	0.06595	2.38	40	
Anthracene	0.047	0.010	0.05000	0	94.1	53.7	105	0.04879	3.65	40	
Benzo(a)anthracene	0.043	0.010	0.05000	0	86.8	53.4	105	0.04073	6.40	40	
Benzo(a)pyrene	0.054	0.010	0.05000	0	107.2	57	112	0.05256	1.99	40	
Benzo(b)fluoranthene	0.047	0.010	0.05000	0	93.2	48	99.8	0.04387	6.03	40	
Benzo(g,h,i)perylene	0.052	0.010	0.05000	0	103.5	50	113	0.05155	0.426	40	
Benzo(k)fluoranthene	0.050	0.010	0.05000	0	100.5	51.5	125	0.05549	9.89	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: SV_8270S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCSD-56227	SampType: LCSD	Units: mg/L				Prep Date: 10/21/2009			RunNo: 128319		
Client ID: ZZZZZZ	Batch ID: 56227	SW3510C				Analysis Date: 10/23/2009			SeqNo: 2418493		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-ethylhexyl)phthalate	0.050	0.006	0.05000	0	100.1	52.9	115	0.05247	4.69	40	S
Chrysene	0.055	0.010	0.05000	0	109.4	50.5	115	0.05552	1.51	40	
Dibenzo(a,h)anthracene	0.057	0.010	0.05000	0	113.6	53.6	112	0.05521	2.83	40	
Diethyl phthalate	0.088	0.010	0.1000	0	87.6	54.4	111	0.09184	4.77	40	
Dimethyl phthalate	0.093	0.010	0.1000	0	93.2	56.5	107	0.09039	3.02	40	
Di-n-butyl phthalate	0.048	0.010	0.05000	0	96.9	52.7	113	0.04817	0.536	40	S
Fluoranthene	0.049	0.010	0.05000	0	97.4	55.3	108	0.04749	2.54	40	
Fluorene	0.047	0.010	0.05000	0	94.8	52.5	106	0.04685	1.21	40	
Hexachlorobenzene	0.097	0.010	0.1000	0	96.7	55.6	113	0.09276	4.17	40	
Hexachlorobutadiene	0.062	0.010	0.1000	0	62.0	42.3	98.5	0.05728	7.97	40	
Hexachloroethane	0.060	0.010	0.1000	0	59.7	37.4	90.8	0.05654	5.43	40	
Indeno(1,2,3-cd)pyrene	0.059	0.010	0.05000	0	117.5	50.9	112	0.04806	20.0	40	
m,p-Cresol	0.032	0.010	0.05000	0	64.9	44	85.1	0.03190	1.67	40	
Naphthalene	0.038	0.010	0.05000	0	76.9	48.8	94.7	0.03702	3.79	40	
Nitrobenzene	0.080	0.010	0.1000	0	80.5	48.1	102	0.07702	4.36	40	
N-Nitroso-di-n-propylamine	0.043	0.010	0.05000	0	85.3	53.2	110	0.04021	5.89	40	
o-Cresol	0.034	0.010	0.05000	0	67.2	46.7	91.9	0.03334	0.813	40	
Pentachlorophenol	0.107	0.020	0.1000	0	107.0	43.4	111	0.09444	12.5	40	
Phenanthrene	0.049	0.010	0.05000	0	98.8	52.6	108	0.04706	4.84	40	
Phenol	0.032	0.005	0.1000	0	31.8	21.9	42.6	0.03091	2.97	48.9	
Pyrene	0.048	0.010	0.05000	0	96.2	54.3	107	0.04742	1.42	40	
Pyridine	0.045	0.020	0.1000	0	44.7	20.2	61.5	0.05185	14.8	40	
Quinoline	0.047	0.005	0.05000	0	94.4	58.5	111	0.04370	7.72	40	
Surr: 2,4,6-Tribromophenol	0.051		0.05000		102.9	46.1	133		0	0	
Surr: 2-Fluorobiphenyl	0.020		0.02500		79.7	47.3	111		0	0	
Surr: 2-Fluorophenol	0.024		0.05000		47.5	23.4	74.8		0	0	
Surr: Nitrobenzene-d5	0.020		0.02500		79.8	40.6	108		0	0	
Surr: Phenol-d5	0.018		0.05000		35.2	17.8	50.9		0	0	
Surr: p-Terphenyl-d14	0.025		0.02500		100.7	52.2	124		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-A091023-1	SampType: LCS	Units: µg/Kg				Prep Date: 10/23/2009			RunNo: 128331		
Client ID: ZZZZZZ	Batch ID: 56280	SW5035				Analysis Date: 10/23/2009			SeqNo: 2418729		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48.4	5.0	50.00	0	96.7	77.5	121				
1,1-Dichloroethene	40.6	5.0	50.00	0	81.2	52	133				
1,2-Dibromoethane	49.7	5.0	50.00	0	99.4	85.2	119				
1,2-Dichlorobenzene	52.6	5.0	50.00	0	105.2	84.2	122				
1,2-Dichloroethane	45.2	5.0	50.00	0	90.4	71.1	125				
1,3-Dichlorobenzene	54.8	5.0	50.00	0	109.7	83.3	125				
1,4-Dichlorobenzene	55.0	5.0	50.00	0	110.0	81.9	128				
2-Butanone	94.1	50.0	100.0	0	94.1	70	130				
Benzene	44.4	1.0	50.00	0	88.9	77.9	123				
Bromodichloromethane	52.7	5.0	50.00	0	105.4	87.9	119				
Carbon tetrachloride	48.9	5.0	50.00	0	97.7	77.5	128				
Chlorobenzene	50.3	5.0	50.00	0	100.6	87.8	120				
Chloroform	47.3	5.0	50.00	0	94.6	81.5	119				
Dibromochloromethane	51.8	5.0	50.00	0	103.6	88.6	119				
Ethylbenzene	49.9	5.0	50.00	0	99.9	80.9	119				
m,p-Xylenes	48.3	5.0	50.00	0	96.6	77.6	120				
Methyl tert-butyl ether	45.4	2.0	50.00	0	90.8	69.8	121				
Methylene chloride	43.2	5.0	50.00	0	86.4	71.5	124				
Naphthalene	48.6	10	50.00	0	97.2	75.7	123				
o-Xylene	49.1	5.0	50.00	0	98.2	82.4	124				
Tetrachloroethene	48.5	5.0	50.00	0	97.0	74.2	113				
Toluene	47.9	5.0	50.00	0	95.8	80.2	115				
Trichloroethene	46.0	5.0	50.00	0	92.1	83.3	118				
Surr: 1,2-Dichloroethane-d4	49.0		50.00		98.1	61	128				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.7	78.2	117				
Surr: Dibromofluoromethane	49.5		50.00		99.0	66.6	130				
Surr: Toluene-d8	52.7		50.00		105.5	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCSD-A091023-1		SampType: LCSD		Units: µg/Kg		Prep Date: 10/23/2009			RunNo: 128331		
Client ID: ZZZZZZ		Batch ID: 56280		SW5035		Analysis Date: 10/23/2009			SeqNo: 2418730		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	49.9	5.0	50.00	0	99.8	77.5	121	48.36	3.17	20	
1,1-Dichloroethene	42.1	5.0	50.00	0	84.2	52	133	40.58	3.72	20	
1,2-Dibromoethane	51.3	5.0	50.00	0	102.6	85.2	119	49.72	3.13	20	
1,2-Dichlorobenzene	54.0	5.0	50.00	0	108.0	84.2	122	52.61	2.64	20	
1,2-Dichloroethane	46.8	5.0	50.00	0	93.7	71.1	125	45.18	3.59	20	
1,3-Dichlorobenzene	55.6	5.0	50.00	0	111.2	83.3	125	54.83	1.43	20	
1,4-Dichlorobenzene	55.1	5.0	50.00	0	110.2	81.9	128	55.01	0.163	20	
2-Butanone	92.7	50.0	100.0	0	92.7	70	130	94.07	1.49	20	
Benzene	46.2	1.0	50.00	0	92.4	77.9	123	44.43	3.86	20	
Bromodichloromethane	54.3	5.0	50.00	0	108.7	87.9	119	52.70	3.06	20	
Carbon tetrachloride	50.7	5.0	50.00	0	101.4	77.5	128	48.87	3.66	20	
Chlorobenzene	52.0	5.0	50.00	0	104.0	87.8	120	50.30	3.32	20	
Chloroform	49.3	5.0	50.00	0	98.6	81.5	119	47.31	4.08	20	
Dibromochloromethane	53.3	5.0	50.00	0	106.6	88.6	119	51.80	2.87	20	
Ethylbenzene	51.0	5.0	50.00	0	101.9	80.9	119	49.93	2.02	20	
m,p-Xylenes	49.4	5.0	50.00	0	98.9	77.6	120	48.28	2.39	20	
Methyl tert-butyl ether	47.5	2.0	50.00	0	95.1	69.8	121	45.41	4.58	20	
Methylene chloride	44.3	5.0	50.00	0	88.6	71.5	124	43.19	2.56	20	
Naphthalene	48.9	10	50.00	0	97.7	75.7	123	48.62	0.513	20	
o-Xylene	50.7	5.0	50.00	0	101.3	82.4	124	49.09	3.17	20	
Tetrachloroethene	49.8	5.0	50.00	0	99.5	74.2	113	48.49	2.59	20	
Toluene	49.3	5.0	50.00	0	98.5	80.2	115	47.90	2.82	20	
Trichloroethene	47.9	5.0	50.00	0	95.8	83.3	118	46.03	3.98	20	
Surr: 1,2-Dichloroethane-d4	49.8		50.00		99.6	61	128		0	0	
Surr: 4-Bromofluorobenzene	49.5		50.00		99.1	78.2	117		0	0	
Surr: Dibromofluoromethane	50.3		50.00		100.7	66.6	130		0	0	
Surr: Toluene-d8	52.5		50.00		105.1	80.1	122		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MBLK-A091023-1	SampType: MBLK	Units: µg/Kg		Prep Date: 10/23/2009		RunNo: 128331					
Client ID: ZZZZZZ	Batch ID: 56280	SW5035		Analysis Date: 10/23/2009		SeqNo: 2418734					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloro-2-propanone	ND	50.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	10									
1,2,3-Trimethylbenzene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
1-Chlorobutane	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50.0									
2-Chlorotoluene	ND	5.0									
2-Hexanone	ND	50.0									
2-Nitropropane	ND	50.0									
4-Chlorotoluene	ND	5.0									
4-Methyl-2-pentanone	ND	50.0									

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260S_S

Sample ID: MBLK-A091023-1	SampType: MBLK	Units: µg/Kg				Prep Date: 10/23/2009			RunNo: 128331		
Client ID: ZZZZZZ	Batch ID: 56280	SW5035				Analysis Date: 10/23/2009			SeqNo: 2418734		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	ND	50.0									
Acetonitrile	ND	100									
Acrolein	ND	100									
Acrylonitrile	ND	10									
Allyl chloride	ND	5.0									
Benzene	ND	1.0									
Bromobenzene	ND	5.0									
Bromochloromethane	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	4.0									
Cyclohexanone	ND	100									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethyl acetate	ND	50.0									
Ethyl ether	ND	5.0									
Ethyl methacrylate	ND	5.0									
Ethylbenzene	ND	5.0									
Heptane	ND	20.0									
Hexachlorobutadiene	ND	5.0									
Hexachloroethane	ND	5.0									
Iodomethane	ND	10									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_S

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MBLK-A091023-1	SampType: MBLK	Units: µg/Kg			Prep Date: 10/23/2009			RunNo: 128331			
Client ID: ZZZZZZ	Batch ID: 56280	SW5035			Analysis Date: 10/23/2009			SeqNo: 2418734			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	5.0									
m,p-Xylenes	ND	5.0									
Methacrylonitrile	ND	50.0									
Methyl Methacrylate	ND	5.0									
Methyl tert-butyl ether	ND	2.0									
Methylacrylate	ND	10									
Methylene chloride	ND	5.0									
Naphthalene	ND	10									
n-Butylbenzene	ND	5.0									
n-Hexane	ND	20.0									
Nitrobenzene	ND	100									
n-Propylbenzene	ND	5.0									
o-Xylene	ND	5.0									
Pentachloroethane	ND	5.0									
p-Isopropyltoluene	ND	5.0									
Propionitrile	ND	50.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Tetrahydrofuran	ND	50.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	4.0									
trans-1,4-Dichloro-2-butene	ND	10									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl acetate	ND	50.0									
Vinyl chloride	ND	2.0									
Surr: 1,2-Dichloroethane-d4	50.9		50.00		101.8	61	128				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.4	78.2	117				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260S_S

Sample ID: MBLK-A091023-1	SampType: MBLK	Units: µg/Kg			Prep Date: 10/23/2009			RunNo: 128331			
Client ID: ZZZZZZ	Batch ID: 56280	SW5035			Analysis Date: 10/23/2009			SeqNo: 2418734			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	49.6		50.00		99.2	66.6	130				
Surr: Toluene-d8	51.9		50.00		103.9	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-T091020-1	SampType: LCS	Units: µg/L				Prep Date: 10/20/2009			RunNo: 128234		
Client ID: ZZZZZZ	Batch ID: 56240	SW5030				Analysis Date: 10/20/2009			SeqNo: 2416730		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50.7	5.0	50.00	0	101.3	82.5	119				
1,1-Dichloroethene	47.0	5.0	50.00	0	94.0	76.5	122				
1,2-Dibromoethane	52.6	5.0	50.00	0	105.2	85	115				
1,2-Dichlorobenzene	48.8	5.0	50.00	0	97.7	86.4	116				
1,2-Dichloroethane	46.0	5.0	50.00	0	92.1	82	121				
1,3-Dichlorobenzene	48.9	5.0	50.00	0	97.9	85.2	116				
1,4-Dichlorobenzene	48.8	5.0	50.00	0	97.6	83.6	117				
2-Butanone	97.3	25.0	100.0	0	97.3	65	124				
Benzene	45.0	2.0	50.00	0	90.0	82.7	117				
Bromodichloromethane	51.5	5.0	50.00	0	103.1	87.4	117				
Carbon tetrachloride	50.3	5.0	50.00	0	100.7	78.8	130				
Chlorobenzene	47.6	5.0	50.00	0	95.3	84.5	114				
Chloroform	46.1	5.0	50.00	0	92.3	79	113				
Dibromochloromethane	49.9	5.0	50.00	0	99.8	84	119				
Ethylbenzene	48.5	5.0	50.00	0	97.0	83	113				
m,p-Xylenes	47.6	5.0	50.00	0	95.3	80.3	116				
Methyl tert-butyl ether	50.3	2.0	50.00	0	100.6	75.9	115				
Methylene chloride	47.8	5.0	50.00	0	95.5	79.1	122				
Naphthalene	51.9	10	50.00	0	103.8	60.4	129				
o-Xylene	49.8	5.0	50.00	0	99.7	83.2	120				
Tetrachloroethene	41.3	5.0	50.00	0	82.6	68.7	113				
Toluene	46.6	5.0	50.00	0	93.1	79.6	116				
Trichloroethene	43.0	5.0	50.00	0	86.0	79.4	111				
Surr: 1,2-Dichloroethane-d4	50.0		50.00		99.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.7		50.00		101.5	86	119				
Surr: Dibromofluoromethane	50.4		50.00		100.8	81.7	123				
Surr: Toluene-d8	49.4		50.00		98.9	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: LCS-D-T091020-1		SampType: LCS-D		Units: µg/L		Prep Date: 10/20/2009			RunNo: 128234		
Client ID: ZZZZZZ		Batch ID: 56240		SW5030		Analysis Date: 10/20/2009			SeqNo: 2416731		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	49.1	5.0	50.00	0	98.2	82.5	119	50.67	3.15	20	
1,1-Dichloroethene	43.9	5.0	50.00	0	87.8	76.5	122	46.98	6.82	20	
1,2-Dibromoethane	53.6	5.0	50.00	0	107.2	85	115	52.60	1.90	20	
1,2-Dichlorobenzene	47.8	5.0	50.00	0	95.5	86.4	116	48.85	2.26	20	
1,2-Dichloroethane	45.2	5.0	50.00	0	90.4	82	121	46.05	1.89	20	
1,3-Dichlorobenzene	47.8	5.0	50.00	0	95.7	85.2	116	48.93	2.23	20	
1,4-Dichlorobenzene	47.8	5.0	50.00	0	95.5	83.6	117	48.80	2.13	20	
2-Butanone	96.8	25.0	100.0	0	96.8	65	124	97.27	0.484	20	
Benzene	43.0	2.0	50.00	0	86.1	82.7	117	44.99	4.43	20	
Bromodichloromethane	49.6	5.0	50.00	0	99.2	87.4	117	51.53	3.78	20	
Carbon tetrachloride	47.0	5.0	50.00	0	94.1	78.8	130	50.33	6.78	20	
Chlorobenzene	45.9	5.0	50.00	0	91.8	84.5	114	47.64	3.76	20	
Chloroform	44.3	5.0	50.00	0	88.5	79	113	46.13	4.14	20	
Dibromochloromethane	49.2	5.0	50.00	0	98.4	84	119	49.91	1.47	20	
Ethylbenzene	46.5	5.0	50.00	0	93.1	83	113	48.49	4.13	20	
m,p-Xylenes	45.5	5.0	50.00	0	91.0	80.3	116	47.64	4.64	20	
Methyl tert-butyl ether	49.5	2.0	50.00	0	99.0	75.9	115	50.32	1.64	20	
Methylene chloride	46.3	5.0	50.00	0	92.5	79.1	122	47.76	3.17	20	
Naphthalene	51.7	10	50.00	0	103.5	60.4	129	51.88	0.270	20	
o-Xylene	47.2	5.0	50.00	0	94.5	83.2	120	49.83	5.34	20	
Tetrachloroethene	39.6	5.0	50.00	0	79.1	68.7	113	41.30	4.33	20	
Toluene	45.2	5.0	50.00	0	90.3	79.6	116	46.55	3.01	20	
Trichloroethene	41.0	5.0	50.00	0	81.9	79.4	111	43.00	4.88	20	
Surr: 1,2-Dichloroethane-d4	49.7		50.00		99.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.2		50.00		102.3	86	119		0	0	
Surr: Dibromofluoromethane	49.4		50.00		98.8	81.7	123		0	0	
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260S_W

Sample ID: MBLK-T091020-1	SampType: MBLK	Units: µg/L			Prep Date: 10/20/2009			RunNo: 128234			
Client ID: ZZZZZZ	Batch ID: 56240	SW5030			Analysis Date: 10/20/2009			SeqNo: 2416733			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloro-2-propanone	ND	50.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,3-Trimethylbenzene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
1-Chlorobutane	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	25.0									
2-Chloroethyl vinyl ether	ND	20.0									
2-Chlorotoluene	ND	5.0									
2-Hexanone	ND	25.0									
2-Nitropropane	ND	50.0									
4-Chlorotoluene	ND	5.0									

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260S_W

Sample ID: MBLK-T091020-1	SampType: MBLK	Units: µg/L			Prep Date: 10/20/2009			RunNo: 128234			
Client ID: ZZZZZZ	Batch ID: 56240	SW5030			Analysis Date: 10/20/2009			SeqNo: 2416733			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	25.0									
Acetone	ND	25.0									
Acetonitrile	ND	50.0									
Acrolein	ND	100									
Acrylonitrile	ND	5.0									
Allyl chloride	ND	5.0									
Benzene	ND	2.0									
Bromobenzene	ND	5.0									
Bromochloromethane	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Butyl acetate	ND	25.0									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
Chloroprene	ND	20.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
cis-1,4-Dichloro-2-butene	ND	5.0									
Cyclohexanone	ND	50.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethyl acetate	ND	10									
Ethyl ether	ND	5.0									
Ethyl methacrylate	ND	5.0									
Ethylbenzene	ND	5.0									

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260S_W

Sample ID: MBLK-T091020-1	SampType: MBLK	Units: µg/L			Prep Date: 10/20/2009				RunNo: 128234		
Client ID: ZZZZZZ	Batch ID: 56240	SW5030			Analysis Date: 10/20/2009				SeqNo: 2416733		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptane	ND	20.0									
Hexachlorobutadiene	ND	5.0									
Hexachloroethane	ND	10									
Iodomethane	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylenes	ND	5.0									
Methacrylonitrile	ND	10									
Methyl Methacrylate	ND	5.0									
Methyl tert-butyl ether	ND	2.0									
Methylacrylate	ND	10									
Methylene chloride	ND	5.0									
Naphthalene	ND	10									
n-Butylbenzene	ND	5.0									
n-Hexane	ND	20.0									
Nitrobenzene	ND	50.0									
n-Propylbenzene	ND	5.0									
o-Xylene	ND	5.0									
Pentachloroethane	ND	20.0									
p-Isopropyltoluene	ND	5.0									
Propionitrile	ND	50.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Tetrahydrofuran	ND	20.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
trans-1,4-Dichloro-2-butene	ND	10									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: MBLK-T091020-1		SampType: MBLK		Units: µg/L		Prep Date: 10/20/2009			RunNo: 128234		
Client ID: ZZZZZZ		Batch ID: 56240		SW5030		Analysis Date: 10/20/2009			SeqNo: 2416733		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl acetate

ND

10

Vinyl chloride

ND

2.0

Surr: 1,2-Dichloroethane-d4

49.4

50.00

98.8

74.7

129

Surr: 4-Bromofluorobenzene

51.2

50.00

102.3

86

119

Surr: Dibromofluoromethane

50.0

50.00

100

81.7

123

Surr: Toluene-d8

49.2

50.00

98.5

84.3

114

Sample ID: 09100818-004EMS		SampType: MS		Units: µg/L		Prep Date: 10/20/2009		RunNo: 128234			
Client ID: P2-WW1MS		Batch ID: 56240		SW5030		Analysis Date: 10/20/2009		SeqNo: 2416737			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene

34.2

5.0

56.00

0

61.1

21.4

139

Benzene

54.9

2.0

56.00

0

98.0

57.8

125

Chlorobenzene

63.8

5.0

56.00

0

113.9

72.9

119

Ethylbenzene

66.1

5.0

56.00

0

118.1

72.8

123

m,p-Xylenes

67.1

5.0

56.00

0

119.9

74.6

125

o-Xylene

65.5

5.0

56.00

0

116.9

73

127

Toluene

61.1

5.0

56.00

0

109.2

75.8

123

Trichloroethene

53.5

5.0

56.00

0

95.6

67.1

115

Surr: 1,2-Dichloroethane-d4

50.1

50.00

100.1

74.7

129

Surr: 4-Bromofluorobenzene

50.9

50.00

101.8

86

119

Surr: Dibromofluoromethane

50.1

50.00

100.1

81.7

123

Surr: Toluene-d8

49.5

50.00

99.0

84.3

114

Sample ID: 09100818-004EMSD		SampType: MSD		Units: µg/L		Prep Date: 10/20/2009		RunNo: 128234			
Client ID: P2-WW1MSD		Batch ID: 56240		SW5030		Analysis Date: 10/20/2009		SeqNo: 2416738			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene

34.4

5.0

56.00

0

61.5

21.4

139

34.24

0.524

20

Benzene

54.4

2.0

56.00

0

97.1

57.8

125

54.86

0.897

20

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

TestCode: V_8260S_W

Lab Order: 09100818

Report Date: 27-Oct-09

Sample ID: 09100818-004EMSD		SampType: MSD		Units: µg/L		Prep Date: 10/20/2009			RunNo: 128234		
Client ID: P2-WW1MSD		Batch ID: 56240		SW5030		Analysis Date: 10/20/2009			SeqNo: 2416738		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	64.2	5.0	56.00	0	114.7	72.9	119	63.79	0.703	20	
Ethylbenzene	66.4	5.0	56.00	0	118.5	72.8	123	66.12	0.377	20	
m,p-Xylenes	67.3	5.0	56.00	0	120.2	74.6	125	67.14	0.223	20	
o-Xylene	65.8	5.0	56.00	0	117.6	73	127	65.47	0.579	20	
Toluene	60.8	5.0	56.00	0	108.5	75.8	123	61.14	0.607	20	
Trichloroethene	52.5	5.0	56.00	0	93.7	67.1	115	53.54	2.00	20	
Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.0		50.00		100	86	119		0	0	
Surr: Dibromofluoromethane	48.8		50.00		97.7	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		97.9	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 09100818

Report Date: 27-Oct-09

Carrier: Pete Sazama

Received By: DB

Completed by:

On:

20-Oct-09

Marvin L. Darling

Reviewed by:

On:

21-Oct-09

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

November 03, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 09101044

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 10/27/2009 9:25:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101044

Report Date: 03-Nov-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09101044-001	P2-WW2	5	10/26/2009 9:45:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 09101044

Report Date: 03-Nov-09

Cooler Receipt Temp: 3.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09101044

Lab ID: 09101044-001

Report Date: 03-Nov-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW2

Collection Date: 10/26/2009 9:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.91		1	10/27/2009 4:27:00 PM	LDG
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	JR	5	mg/L	1	10/27/2009 12:05:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5	H	< 5	mg/L	1	10/28/2009 1:10:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/28/2009 9:45:47 AM	LAL
Barium	NELAP	0.0050		0.0810	mg/L	1	10/28/2009 9:45:47 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	10/28/2009 9:45:47 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/28/2009 9:45:47 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/28/2009 9:45:47 AM	LAL
Silver	NELAP	0.0100	J	0.0047	mg/L	1	10/28/2009 9:45:47 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	10/27/2009 5:41:38 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	10/27/2009 12:09:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09101044

Lab ID: 09101044-001

Report Date: 03-Nov-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW2

Collection Date: 10/26/2009 9:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		70.2	%REC	1	10/27/2009 12:09:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		42.8	%REC	1	10/27/2009 12:09:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		73.8	%REC	1	10/27/2009 12:09:00 PM	MAV
Surr: Phenol-d5		11-42.8		26.4	%REC	1	10/27/2009 12:09:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		76.8	%REC	1	10/27/2009 12:09:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/27/2009 7:33:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/27/2009 7:33:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	10/27/2009 7:33:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/27/2009 7:33:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		95.4	%REC	1	10/27/2009 7:33:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		105.7	%REC	1	10/27/2009 7:33:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		97.4	%REC	1	10/27/2009 7:33:00 PM	TAL
Surr: Toluene-d8		84.3-114		98.2	%REC	1	10/27/2009 7:33:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/27/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		< 0.100	mg/L	10	10/28/2009 2:29:00 PM	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	2.28	mg/L	10	10/28/2009 2:29:00 PM	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Standard Methods 18th Ed. 5210 B

Sample analysis did not meet hold time requirements.

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results. When duplicate results for TSS are 20 mg/L or less and have a difference of no greater than the PQL, the results are considered within the precision of the test method and are reportable.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 09101044**Report Date:** 03-Nov-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09101044-001A	P2-WW2	10/26/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/27/2009 10:00:00 AM	10/27/2009 12:09:00 PM
09101044-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/27/2009 4:27:00 PM
				Standard Methods 18th Ed. 2540 D		10/27/2009 12:05:00 PM
				Standard Methods 18th Ed. 5210 B	10/28/2009 1:10:00 PM	10/28/2009 1:10:00 PM
09101044-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/27/2009 10:42:00 AM	10/28/2009 9:45:47 AM
				SW-846 3020A, Metals by GFAA (Total)	10/27/2009 10:41:00 AM	10/27/2009 5:41:38 PM
				SW-846 7470A (Total)	10/27/2009 2:00:45 PM	10/27/2009
09101044-001D				SW-846 9012A		10/28/2009 2:29:00 PM
				SW-846 9012A (Total)		10/28/2009 2:29:00 PM
09101044-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/27/2009 7:33:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101044

Report Date: 03-Nov-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R128420		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 128420		
Client ID: ZZZZZZ		Batch ID: R128420					Analysis Date: 10/27/2009			SeqNo: 2421117	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R128420		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 128420		
Client ID: ZZZZZZ		Batch ID: R128420			Analysis Date: 10/27/2009			SeqNo: 2421118				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	100	6	100.0	0	100	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 128420		
Client ID: ZZZZZZ		Batch ID: R128420			Analysis Date: 10/27/2009			SeqNo: 2421139				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Sample ID: 09101044-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 128420		
Client ID: P2-WW2DUP		Batch ID: R128420		Analysis Date: 10/27/2009						SeqNo: 2421155	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	6	6						5.000	18.2	15	R
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 128420		
Client ID: ZZZZZZ	Batch ID: R128420					Analysis Date: 10/27/2009				SeqNo: 2421160		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: LCS-R128430	SampType: LCS	Units:		Prep Date:		RunNo: 128430					
Client ID: ZZZZZZ	Batch ID: R128430			Analysis Date: 10/27/2009		SeqNo: 2421349					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.02	1.00	7.000	0	100.3	99.1	100.9				
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Sample ID: 09101044-001BDUP	SampType: DUP	Units:		Prep Date:		RunNo: 128430					
Client ID: P2-WW2DUP	Batch ID: R128430			Analysis Date: 10/27/2009		SeqNo: 2421431					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.91	1.00						7.910	0	10	
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101044

Report Date: 03-Nov-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M5210 B

Sample ID: LCS-56365	SampType: LCS	Units: mg/L			Prep Date: 10/28/2009			RunNo: 128496			
Client ID: ZZZZZZ	Batch ID: 56365	SOP 2030			Analysis Date: 10/28/2009			SeqNo: 2422932			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	209	5	198.0	0	105.6	84.6	115.4				

Sample ID: LCSQC-56365	SampType: LCSQC	Units: mg/L			Prep Date: 10/28/2009			RunNo: 128496			
Client ID: ZZZZZZ	Batch ID: 56365	SOP 2030			Analysis Date: 10/28/2009			SeqNo: 2422933			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	61	5	56.40	0	108.2	62	130.4				

Sample ID: 09101044-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 10/28/2009			RunNo: 128496			
Client ID: P2-WW2DUP	Batch ID: 56365	SOP 2030			Analysis Date: 10/28/2009			SeqNo: 2422939			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	H

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: MB-56317	SampType: MBLK	Units: mg/L				Prep Date: 10/27/2009			RunNo: 128416		
Client ID: ZZZZZZ	Batch ID: 56317	SOP 3034				Analysis Date: 10/28/2009			SeqNo: 2421617		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-56317	SampType: LCS	Units: mg/L				Prep Date: 10/27/2009			RunNo: 128416		
Client ID: ZZZZZZ	Batch ID: 56317	SOP 3034				Analysis Date: 10/28/2009			SeqNo: 2421620		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.13	0.0250	2.000	0	106.6	85	115				
Barium	2.12	0.0050	2.000	0	105.8	85	115				
Cadmium	0.0525	0.0020	0.05000	0	105.0	85	115				
Chromium	0.219	0.0100	0.2000	0	109.7	85	115				
Selenium	2.13	0.0500	2.000	0	106.6	85	115				
Silver	0.0518	0.0100	0.05000	0	103.6	85	115				

Sample ID: 09101044-001CMS	SampType: MS	Units: mg/L				Prep Date: 10/27/2009			RunNo: 128416		
Client ID: P2-WW2MS	Batch ID: 56317	SOP 3034				Analysis Date: 10/28/2009			SeqNo: 2421624		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	105.0	75	125				
Barium	2.01	0.0050	2.000	0.08100	96.7	75	125				
Cadmium	0.0494	0.0020	0.05000	0	98.8	75	125				
Chromium	0.207	0.0100	0.2000	0	103.7	75	125				
Selenium	2.12	0.0500	2.000	0	106.0	75	125				
Silver	0.0494	0.0100	0.05000	0.004700	89.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: 09101044-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 10/27/2009		RunNo: 128416		
Client ID: P2-WW2MSD		Batch ID: 56317			SOP 3034		Analysis Date: 10/28/2009		SeqNo: 2421625		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	105.8	75	125	2.101	0.711	20	
Barium	2.03	0.0050	2.000	0.08100	97.7	75	125	2.014	0.988	20	
Cadmium	0.0493	0.0020	0.05000	0	98.6	75	125	0.04940	0.203	20	
Chromium	0.208	0.0100	0.2000	0	104.0	75	125	0.2074	0.337	20	
Selenium	2.12	0.0500	2.000	0	106.2	75	125	2.121	0.141	20	
Silver	0.0522	0.0100	0.05000	0.004700	95.0	75	125	0.04940	5.51	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: MB-56316		SampType: MBLK		Units: mg/L		Prep Date: 10/27/2009		RunNo: 128422			
Client ID: ZZZZZZ		Batch ID: 56316		SOP 3044		Analysis Date: 10/27/2009		SeqNo: 2421237			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-56316		SampType: LCS		Units: mg/L		Prep Date: 10/27/2009			RunNo: 128422		
Client ID: ZZZZZZ		Batch ID: 56316		SOP 3044		Analysis Date: 10/27/2009			SeqNo: 2421239		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0146	0.0020	0.01500	0	97.2	80	120			
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Sample ID: 09101044-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/27/2009		RunNo: 128422			
Client ID: P2-WW2MS		Batch ID: 56316		SOP 3044		Analysis Date: 10/27/2009		SeqNo: 2421243			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0156	0.0020	0.01500	0.0004677	100.6	70	130			
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Sample ID: 09101044-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/27/2009		RunNo: 128422			
Client ID: P2-WW2MSD		Batch ID: 56316		SOP 3044		Analysis Date: 10/27/2009		SeqNo: 2421246			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0149	0.0020	0.01500	0.0004677	96.2	70	130	0.01555	4.32	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: MB-56321	SampType: MBLK			Units: mg/L		Prep Date: 10/27/2009			RunNo: 128415		
Client ID: ZZZZZZ	Batch ID: 56321			SOP 3062		Analysis Date: 10/27/2009			SeqNo: 2420831		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-56321	SampType: LCS			Units: mg/L		Prep Date: 10/27/2009			RunNo: 128415		
Client ID: ZZZZZZ	Batch ID: 56321			SOP 3062		Analysis Date: 10/27/2009			SeqNo: 2420832		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00442	0.00020	0.005000	0	88.4	85	115				

Sample ID: 09101044-001CMS	SampType: MS			Units: mg/L		Prep Date: 10/27/2009			RunNo: 128415		
Client ID: P2-WW2MS	Batch ID: 56321			SOP 3062		Analysis Date: 10/27/2009			SeqNo: 2420834		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00382	0.00020	0.005000	0	76.4	75	125				

Sample ID: 09101044-001CMSD	SampType: MSD			Units: mg/L		Prep Date: 10/27/2009			RunNo: 128415		
Client ID: P2-WW2MSD	Batch ID: 56321			SOP 3062		Analysis Date: 10/27/2009			SeqNo: 2420835		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00385	0.00020	0.005000	0	77.0	75	125	0.003820	0.782	15	

Sample ID: MB-56321	SampType: MBLK			Units: µg/L		Prep Date: 10/27/2009			RunNo: 128415		
Client ID: ZZZZZZ	Batch ID: 56321			SOP 3062		Analysis Date: 10/27/2009			SeqNo: 2420827		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: LCS-56321		SampType: LCS		Units: µg/L		Prep Date: 10/27/2009		RunNo: 128415			
Client ID: ZZZZZZ		Batch ID: 56321		SOP 3062		Analysis Date: 10/27/2009		SeqNo: 2420828			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	4.42	0.20	5.000	0	88.4	85	115				
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Sample ID: MB-56321		SampType: MBLK		Units: µg/L		Prep Date: 10/27/2009		RunNo: 128415			
Client ID: ZZZZZZ		Batch ID: 56321		SOP 3062		Analysis Date: 10/27/2009		SeqNo: 2420829			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-56321	SampType: LCS	Units: µg/L			Prep Date: 10/27/2009			RunNo: 128415			
Client ID: ZZZZZZ	Batch ID: 56321	SOP 3062			Analysis Date: 10/27/2009			SeqNo: 2420830			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	4.42	0.20	5.000	0	88.4	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: 09101044-001EMS	SampType: MS	Units: µg/L				Prep Date: 10/27/2009			RunNo: 128442		
Client ID: P2-WW2MS	Batch ID: 56342	SW5030				Analysis Date: 10/27/2009			SeqNo: 2421722		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.6	2.0	54.00	0	78.9	57.8	125				
Toluene	46.5	5.0	54.00	0	86.2	75.8	123				
Ethylbenzene	48.1	5.0	54.00	0	89.1	72.8	123				
Xylenes, Total	94.5	5.0	108.0	0	87.5	73	127				
Surr: 1,2-Dichloroethane-d4	48.1		50.00		96.2	74.7	129				
Surr: 4-Bromofluorobenzene	52.9		50.00		105.7	86	119				
Surr: Dibromofluoromethane	49.0		50.00		98.0	81.7	123				
Surr: Toluene-d8	49.5		50.00		99.0	84.3	114				

Sample ID: 09101044-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 10/27/2009			RunNo: 128442		
Client ID: P2-WW2MSD	Batch ID: 56342	SW5030				Analysis Date: 10/27/2009			SeqNo: 2421723		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.7	2.0	54.00	0	79.0	57.8	125	42.60	0.164	20	
Toluene	46.6	5.0	54.00	0	86.4	75.8	123	46.53	0.215	20	
Ethylbenzene	47.8	5.0	54.00	0	88.6	72.8	123	48.09	0.500	20	
Xylenes, Total	94.3	5.0	108.0	0	87.4	73	127	94.50	0.169	20	
Surr: 1,2-Dichloroethane-d4	47.8		50.00		95.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.8		50.00		105.6	86	119		0	0	
Surr: Dibromofluoromethane	48.9		50.00		97.7	81.7	123		0	0	
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114		0	0	

Sample ID: LCS-N091027-1	SampType: LCS	Units: µg/L				Prep Date: 10/27/2009			RunNo: 128442		
Client ID: ZZZZZZ	Batch ID: 56342	SW5030				Analysis Date: 10/27/2009			SeqNo: 2421702		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.0	2.0	50.00	0	94.0	77.9	123				
Ethylbenzene	46.8	2.0	50.00	0	93.7	80.9	119				
Toluene	47.2	2.0	50.00	0	94.3	80.2	115				
Xylenes, Total	92.5	5.0	100.0	0	92.5	77.6	124				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: LCS-N091027-1		SampType: LCS		Units: µg/L		Prep Date: 10/27/2009		RunNo: 128442			
Client ID: ZZZZZZ		Batch ID: 56342		SW5030		Analysis Date: 10/27/2009		SeqNo: 2421702			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	48.4		50.00		96.8	61	128				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.7	78.2	117				
Surr: Dibromofluoromethane	49.7		50.00		99.4	66.6	130				
Surr: Toluene-d8	49.0		50.00		98.0	80.1	122				

Sample ID: LCSD-N091027-1		SampType: LCSD		Units: µg/L		Prep Date: 10/27/2009		RunNo: 128442			
Client ID: ZZZZZZ		Batch ID: 56342		SW5030		Analysis Date: 10/27/2009		SeqNo: 2421703			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	44.9	2.0	50.00	0	89.8	77.9	123	47.01	4.61	20	
Ethylbenzene	45.4	2.0	50.00	0	90.8	80.9	119	46.85	3.10	20	
Toluene	45.3	2.0	50.00	0	90.5	80.2	115	47.17	4.13	20	
Xylenes, Total	88.9	5.0	100.0	0	88.9	77.6	124	92.53	4.05	20	
Surr: 1,2-Dichloroethane-d4	48.7		50.00		97.3	61	128		0	0	
Surr: 4-Bromofluorobenzene	51.5		50.00		103.1	78.2	117		0	0	
Surr: Dibromofluoromethane	49.2		50.00		98.4	66.6	130		0	0	
Surr: Toluene-d8	49.4		50.00		98.8	80.1	122		0	0	

Sample ID: LCSG-N091027-1		SampType: LCSG		Units: %REC		Prep Date: 10/27/2009		RunNo: 128442			
Client ID: ZZZZZZ		Batch ID: 56342		SW5030		Analysis Date: 10/27/2009		SeqNo: 2421705			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	47.7		50.00		95.4	61	128				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.6	78.2	117				
Surr: Toluene-d8	49.0		50.00		98.0	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: LCSGD-N091027-1	SampType: LCSGD	Units: %REC			Prep Date: 10/27/2009			RunNo: 128442			
Client ID: ZZZZZZ	Batch ID: 56342	SW5030			Analysis Date: 10/27/2009			SeqNo: 2421706			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.1		50.00		94.2	61	128		0	0	
Surr: 4-Bromofluorobenzene	52.1		50.00		104.2	78.2	117		0	0	
Surr: Toluene-d8	49.2		50.00		98.4	80.1	122		0	0	

Sample ID: MBLK-N091027-1	SampType: MBLK	Units: µg/L			Prep Date: 10/27/2009			RunNo: 128442			
Client ID: ZZZZZZ	Batch ID: 56342	SW5030			Analysis Date: 10/27/2009			SeqNo: 2421708			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	2.0									
Toluene	ND	2.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.8		50.00		95.5	61	128				
Surr: 4-Bromofluorobenzene	52.6		50.00		105.2	78.2	117				
Surr: Dibromofluoromethane	48.9		50.00		97.9	66.6	130				
Surr: Toluene-d8	49.2		50.00		98.4	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: MB-56303	SampType: MBLK	Units: mg/L	Prep Date: 10/26/2009	RunNo: 128389							
Client ID: ZZZZZZ	Batch ID: 56303	SW3510C	Analysis Date: 10/27/2009	SeqNo: 2420288							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00295		0.005000		59.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00551		0.01000		55.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00373		0.005000		74.6	39.9	106				
Surr: Phenol-d5	0.00347		0.01000		34.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00409		0.005000		81.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: LCS-56303	SampType: LCS	Units: mg/L			Prep Date: 10/26/2009			RunNo: 128389			
Client ID: ZZZZZZ	Batch ID: 56303	SW3510C			Analysis Date: 10/27/2009			SeqNo: 2420289			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00370	0.00010	0.005000	0	74.0	50.1	103				
Acenaphthylene	0.00551	0.00010	0.005000	0	110.1	53.3	122				
Anthracene	0.00413	0.00010	0.005000	0	82.5	57.4	110				
Benzo(a)anthracene	0.00394	0.00010	0.005000	0	78.8	56	102				
Benzo(a)pyrene	0.00485	0.00010	0.005000	0	96.9	55.4	125				
Benzo(b)fluoranthene	0.00470	0.00010	0.005000	0	94.0	59.3	127				
Benzo(g,h,i)perylene	0.00464	0.00010	0.005000	0	92.8	58.4	125				
Benzo(k)fluoranthene	0.00450	0.00010	0.005000	0	90.1	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00696	0.00200	0.005000	0	139.2	63.2	152				
Chrysene	0.00493	0.00010	0.005000	0	98.7	58.7	118				
Dibenzo(a,h)anthracene	0.00465	0.00010	0.005000	0	93.1	59.3	126				
Diethyl phthalate	0.00454	0.00100	0.005000	0	90.9	55.3	133				
Dimethyl phthalate	0.00432	0.00100	0.005000	0	86.5	55.7	112				
Di-n-butyl phthalate	0.00475	0.00100	0.005000	0	95.0	61.5	130				
Fluoranthene	0.00418	0.00010	0.005000	0	83.6	60.1	117				
Fluorene	0.00393	0.00010	0.005000	0	78.5	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00464	0.00010	0.005000	0	92.7	58.1	123				
m,p-Cresol	0.00306	0.00010	0.005000	0	61.1	17.9	107				
Naphthalene	0.00299	0.00010	0.005000	0	59.8	36.3	97.1				
o-Cresol	0.00354	0.00010	0.005000	0	70.8	20.5	109				
Phenanthrene	0.00414	0.00010	0.005000	0	82.8	55.9	107				
Pyrene	0.00430	0.00010	0.005000	0	86.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.00317		0.005000		63.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00562		0.01000		56.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00375		0.005000		75.0	39.9	106				
Surr: Phenol-d5	0.00360		0.01000		36.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00405		0.005000		81.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: LCSD-56303		SampType: LCSD		Units: mg/L		Prep Date: 10/26/2009		RunNo: 128389			
Client ID: ZZZZZZ		Batch ID: 56303		SW3510C		Analysis Date: 10/27/2009		SeqNo: 2420290			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00382	0.00010	0.005000	0	76.5	50.1	103	0.003701	3.27	50	
Acenaphthylene	0.00546	0.00010	0.005000	0	109.3	53.3	122	0.005506	0.766	50	
Anthracene	0.00428	0.00010	0.005000	0	85.7	57.4	110	0.004127	3.71	50	
Benzo(a)anthracene	0.00401	0.00010	0.005000	0	80.1	56	102	0.003942	1.61	50	
Benzo(a)pyrene	0.00495	0.00010	0.005000	0	99.1	55.4	125	0.004847	2.18	50	
Benzo(b)fluoranthene	0.00480	0.00010	0.005000	0	95.9	59.3	127	0.004702	1.96	50	
Benzo(g,h,i)perylene	0.00470	0.00010	0.005000	0	94.1	58.4	125	0.004642	1.31	50	
Benzo(k)fluoranthene	0.00478	0.00010	0.005000	0	95.7	61.5	125	0.004503	6.05	50	
Bis(2-ethylhexyl)phthalate	0.00539	0.00200	0.005000	0	107.7	63.2	152	0.006959	25.5	50	
Chrysene	0.00506	0.00010	0.005000	0	101.1	58.7	118	0.004933	2.44	50	
Dibenzo(a,h)anthracene	0.00465	0.00010	0.005000	0	93.0	59.3	126	0.004653	0.0430	50	
Diethyl phthalate	0.00462	0.00100	0.005000	0	92.5	55.3	133	0.004544	1.72	0	
Dimethyl phthalate	0.00454	0.00100	0.005000	0	90.7	55.7	112	0.004325	4.76	0	
Di-n-butyl phthalate	0.00493	0.00100	0.005000	0	98.5	61.5	130	0.004751	3.64	50	
Fluoranthene	0.00437	0.00010	0.005000	0	87.4	60.1	117	0.004180	4.47	50	
Fluorene	0.00409	0.00010	0.005000	0	81.8	54.1	110	0.003925	4.09	50	
Indeno(1,2,3-cd)pyrene	0.00475	0.00010	0.005000	0	95.0	58.1	123	0.004635	2.47	50	
m,p-Cresol	0.00324	0.00010	0.005000	0	64.9	17.9	107	0.003055	5.97	50	
Naphthalene	0.00309	0.00010	0.005000	0	61.8	36.3	97.1	0.002991	3.19	50	
o-Cresol	0.00382	0.00010	0.005000	0	76.4	20.5	109	0.003541	7.58	50	
Phenanthrene	0.00429	0.00010	0.005000	0	85.8	55.9	107	0.004139	3.63	50	
Pyrene	0.00462	0.00010	0.005000	0	92.3	61.4	116	0.004305	6.99	50	
Surr: 2-Fluorobiphenyl	0.00330		0.005000		66.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00575		0.01000		57.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00380		0.005000		76.0	39.9	106		0	50	
Surr: Phenol-d5	0.00374		0.01000		37.4	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00412		0.005000		82.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09101044

Report Date: 03-Nov-09

Sample ID: 09101044-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 128475			
Client ID: P2-WW2MS	Batch ID: R128475				Analysis Date: 10/28/2009			SeqNo: 2422371			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	2.24	0.070	0.05000	2.278	-83.4	75	125				S

Sample ID: 09101044-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 128475			
Client ID: P2-WW2MSD	Batch ID: R128475				Analysis Date: 10/28/2009			SeqNo: 2422372			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	2.05	0.070	0.05000	2.278	-459.9	75	125	2.236	8.79	15	S

Sample ID: MB-R128475	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 128475			
Client ID: ZZZZZZ	Batch ID: R128475				Analysis Date: 10/27/2009			SeqNo: 2425670			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R128475	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 128475			
Client ID: ZZZZZZ	Batch ID: R128475				Analysis Date: 10/27/2009			SeqNo: 2425671			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.091	0.007	0.1000	0	90.5	90	110				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101044

Report Date: 03-Nov-09

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

27-Oct-09

Marvin L. Darling

Reviewed by:

On:

27-Oct-09

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 08893**

09101044

Project Name: <u>Ameren Champion</u> Project Mgr.: <u>P. Sazama</u>		Analyses by Method Name and Number	
Project Number: <u>624-0908-0120</u> Cost Code: <u>J0002</u>		Laboratory Temperature upon Receipt: <u>3.2</u>	
Sampler(s): <u>J. Crompton</u>		SPRCS, m.o.# 1012719, 03/14/2014	
Laboratory	Name: <u>Teklab Inc</u>	Head Office	
Location: <u>Callinville IL</u>		03/14/2014	
Sample Number and (depth)	Date	Time	Comments (Field PID)
<u>P2-WW2</u>	<u>10-26-09</u>	<u>0945</u>	<u>09101044-09</u>
<u>*P2-A3-W(3)</u>	<u>↓</u>	<u>1055</u>	
<u>*P2-A3-W(8)</u>	<u>↓</u>	<u>1108</u>	
Total Number of Containers			
BTEx 8260			
VOCs 8260			
SVOCs 8270 SIMS			
SVOCs 8270			
PAHs 8270 SIMS			
BCKA Metals			
Total Cyanide			
Aerobic Cyanide			
PH and TSS			
BODs			
Lab ID #'s			

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid (NaOH)
☐ Cyanide	Sodium hydroxide
☐ Other (Specify)	
Requested TAT: <u>WATER</u> Lab Directives: <u>50L</u> ☐ 5 Days ☐ Other	
Fax and/or Mail Results to: <u>P. Sazama and L. Hazzick</u>	
Send Invoice to:	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature		Signature	
<u>Longer COC, m.o.# 10127104</u>		<u>[Signature]</u>		<u>[Signature]</u>	
Date		Date		Date	
<u>10/27/09</u>		<u>10-26-09 1530</u>		<u>10/26/09 3:30 PM</u>	
Time		Time		Time	
<u>10/27/09 9:25A</u>		<u>10/27/09 9:25A</u>		<u>10/27/09 9:25</u>	

November 05, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 09101272

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 10/30/2009 3:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101272

Report Date: 05-Nov-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09101272-001	P2-WW3	5	10/30/2009 10:55:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 09101272

Report Date: 05-Nov-09

Cooler Receipt Temp: 8.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09101272

Lab ID: 09101272-001

Report Date: 05-Nov-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW3

Collection Date: 10/30/2009 10:55:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.12		1	10/30/2009 6:16:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	11/2/2009 1:15:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	10/30/2009 6:05:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	11/2/2009 10:21:46 AM	LAL
Barium	NELAP	0.0050		0.0458	mg/L	1	11/2/2009 10:21:46 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/2/2009 10:21:46 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	11/2/2009 10:21:46 AM	LAL
Selenium	NELAP	0.0500	J	0.023	mg/L	1	11/2/2009 10:21:46 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	11/2/2009 10:21:46 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	11/2/2009 9:31:26 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Anthracene	NELAP	0.00010	J	0.00009	mg/L	1	11/2/2009 10:50:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00014	mg/L	1	11/2/2009 10:50:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00011	mg/L	1	11/2/2009 10:50:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	11/2/2009 10:50:00 AM	MAV
Pyrene	NELAP	0.00010		0.00016	mg/L	1	11/2/2009 10:50:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00050	mg/L	1	11/2/2009 10:50:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09101272

Lab ID: 09101272-001

Report Date: 05-Nov-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW3

Collection Date: 10/30/2009 10:55:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		66.2	%REC	1	11/2/2009 10:50:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		42.1	%REC	1	11/2/2009 10:50:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		67.6	%REC	1	11/2/2009 10:50:00 AM	MAV
Surr: Phenol-d5		11-42.8		24.1	%REC	1	11/2/2009 10:50:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		70.0	%REC	1	11/2/2009 10:50:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.5	µg/L	1	11/2/2009 3:29:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	11/2/2009 3:29:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	11/2/2009 3:29:00 PM	TAL
Xylenes, Total	NELAP	5.0	J	1.6	µg/L	1	11/2/2009 3:29:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.1	%REC	1	11/2/2009 3:29:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		103.4	%REC	1	11/2/2009 3:29:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		103.7	%REC	1	11/2/2009 3:29:00 PM	TAL
Surr: Toluene-d8		84.3-114		91.2	%REC	1	11/2/2009 3:29:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/2/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		< 0.200	mg/L	20	11/2/2009	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	1.92	mg/L	20	11/2/2009	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 09101272**Report Date:** 05-Nov-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09101272-001A	P2-WW3	10/30/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/30/2009 5:44:33 PM	11/2/2009 10:50:00 AM
09101272-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/30/2009 6:16:00 PM
				Standard Methods 18th Ed. 2540 D		11/2/2009 1:15:00 PM
				Standard Methods 18th Ed. 5210 B	10/30/2009 6:05:00 PM	10/30/2009 6:05:00 PM
09101272-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/30/2009 5:00:00 PM	11/2/2009 10:21:46 AM
				SW-846 3020A, Metals by GFAA (Total)	10/30/2009 5:00:00 PM	11/2/2009 9:31:26 AM
				SW-846 7470A (Total)	11/2/2009 11:50:19 AM	11/2/2009
09101272-001D				SW-846 9012A		11/2/2009
				SW-846 9012A (Total)		11/2/2009
09101272-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/31/2009 12:21:00 AM
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		11/2/2009 3:29:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101272

Report Date: 05-Nov-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R128629		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 128629		
Client ID: ZZZZZZ		Batch ID: R128629					Analysis Date: 11/2/2009			SeqNo: 2426181	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R128629		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 128629		
Client ID: ZZZZZZ		Batch ID: R128629			Analysis Date: 11/2/2009			SeqNo: 2426182				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 09101272-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 128629		
Client ID: P2-WW3DUP		Batch ID: R128629			Analysis Date: 11/2/2009			SeqNo: 2426184				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
------------------------	-----	---	--	--	--	--	--	---	---	----	--

Sample ID: LCSQC	SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 128629				
Client ID: ZZZZZZ	Batch ID: R128629		Analysis Date: 11/2/2009		SeqNo: 2426187						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCS-R128578		SampType: LCS			Units:		Prep Date:			RunNo: 128578		
Client ID: ZZZZZZ		Batch ID: R128578			Analysis Date: 10/30/2009			SeqNo: 2425823				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 09101272-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 128578		
Client ID: P2-WW3DUP		Batch ID: R128578				Analysis Date: 10/30/2009			SeqNo: 2425851		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.13	1.00						9.120	0.110	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCS-56501	SampType: LCS	Units: mg/L			Prep Date: 10/30/2009			RunNo: 128731			
Client ID: ZZZZZZ	Batch ID: 56501	SOP 2030			Analysis Date: 10/30/2009			SeqNo: 2428986			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	210	5	198.0	0	106.1	84.6	115.4				
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Sample ID: LCSQC-56501	SampType: LCSQC	Units: mg/L			Prep Date: 10/30/2009			RunNo: 128731			
Client ID: ZZZZZZ	Batch ID: 56501	SOP 2030			Analysis Date: 10/30/2009			SeqNo: 2428987			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	61	5	56.40	0	108.2	62	130.4				
---------------------------	----	---	-------	---	-------	----	-------	--	--	--	--

Sample ID: 09101272-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 10/30/2009			RunNo: 128731			
Client ID: P2-WW3DUP	Batch ID: 56501	SOP 2030			Analysis Date: 10/30/2009			SeqNo: 2428994			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	< 5	5						0	0	40	
---------------------------	-----	---	--	--	--	--	--	---	---	----	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: MB-56412		SampType: MBLK		Units: mg/L		Prep Date: 10/30/2009		RunNo: 128607			
Client ID: ZZZZZZ		Batch ID: 56412		SOP 3034		Analysis Date: 11/2/2009		SeqNo: 2425564			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-56412		SampType: LCS			Units: mg/L		Prep Date: 10/30/2009			RunNo: 128607		
Client ID: ZZZZZZ		Batch ID: 56412			SOP 3034		Analysis Date: 11/2/2009			SeqNo: 2425565		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.216	0.0100	0.2000	0	107.9	85	115				
Silver	0.0521	0.0100	0.05000	0	104.2	85	115				

Sample ID: MB-56412		SampType: MBLK			Units: mg/L		Prep Date: 10/30/2009			RunNo: 128601		
Client ID: ZZZZZZ		Batch ID: 56412			SOP 3034		Analysis Date: 11/2/2009			SeqNo: 2425506		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-56412		SampType: LCS			Units: mg/L		Prep Date: 10/30/2009			RunNo: 128601		
Client ID: ZZZZZZ		Batch ID: 56412			SOP 3034		Analysis Date: 11/2/2009			SeqNo: 2425507		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	2.11	0.0250	2.000	0	105.4	85	115				
Barium	2.12	0.0050	2.000	0	106.0	85	115				
Cadmium	0.0521	0.0020	0.05000	0	104.2	85	115				
Chromium	0.222	0.0100	0.2000	0	110.9	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCS-56412		SampType: LCS		Units: mg/L		Prep Date: 10/30/2009		RunNo: 128601			
Client ID: ZZZZZZ		Batch ID: 56412		SOP 3034		Analysis Date: 11/2/2009		SeqNo: 2425507			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	2.11	0.0500	2.000	0	105.5	85	115				
Silver	0.0505	0.0100	0.05000	0	101.0	85	115				

Sample ID: 09101272-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/30/2009			RunNo: 128601		
Client ID: P2-WW3MS		Batch ID: 56412		SOP 3034		Analysis Date: 11/2/2009			SeqNo: 2425509		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	2.05	0.0250	2.000	0	102.6	75	125				
Barium	1.99	0.0050	2.000	0.04580	97.1	75	125				
Cadmium	0.0491	0.0020	0.05000	0	98.2	75	125				
Chromium	0.209	0.0100	0.2000	0	104.6	75	125				
Selenium	2.13	0.0500	2.000	0.02270	105.3	75	125				
Silver	0.0488	0.0100	0.05000	0	97.6	75	125				

Sample ID: 09101272-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/30/2009		RunNo: 128601			
Client ID: P2-WW3MSD		Batch ID: 56412		SOP 3034		Analysis Date: 11/2/2009		SeqNo: 2425510			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	2.03	0.0250	2.000	0	101.3	75	125	2.052	1.28	20	
Barium	1.98	0.0050	2.000	0.04580	96.7	75	125	1.987	0.353	20	
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125	0.04910	1.02	20	
Chromium	0.205	0.0100	0.2000	0	102.4	75	125	0.2093	2.12	20	
Selenium	2.11	0.0500	2.000	0.02270	104.2	75	125	2.129	1.09	20	
Silver	0.0508	0.0100	0.05000	0	101.6	75	125	0.04880	4.02	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: MB-56411		SampType: MBLK		Units: mg/L		Prep Date: 10/30/2009		RunNo: 128595			
Client ID: ZZZZZZ		Batch ID: 56411		SOP 3044		Analysis Date: 11/2/2009		SeqNo: 2425194			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-56411		SampType: LCS		Units: mg/L		Prep Date: 10/30/2009			RunNo: 128595		
Client ID: ZZZZZZ		Batch ID: 56411		SOP 3044		Analysis Date: 11/2/2009			SeqNo: 2425195		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0144	0.0020	0.01500	0	96.1	80	120			
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Sample ID: 09101272-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/30/2009			RunNo: 128595		
Client ID: P2-WW3MS		Batch ID: 56411		SOP 3044		Analysis Date: 11/2/2009			SeqNo: 2425200		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0159	0.0020	0.01500	0.0006350	101.6	70	130			
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Sample ID: 09101272-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/30/2009		RunNo: 128595			
Client ID: P2-WW3MSD		Batch ID: 56411		SOP 3044		Analysis Date: 11/2/2009		SeqNo: 2425201			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0155	0.0020	0.01500	0.0006350	98.8	70	130	0.01588	2.66	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: MB-56435		SampType: MBLK		Units: mg/L		Prep Date: 11/2/2009		RunNo: 128630			
Client ID: ZZZZZZ		Batch ID: 56435		SOP 3062		Analysis Date: 11/2/2009		SeqNo: 2426190			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-56435		SampType: LCS			Units: mg/L		Prep Date: 11/2/2009			RunNo: 128630		
Client ID: ZZZZZZ		Batch ID: 56435			SOP 3062		Analysis Date: 11/2/2009			SeqNo: 2426191		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00473	0.00020	0.005000	0	94.6	85	115				
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Sample ID: 09101272-001CMS		SampType: MS		Units: mg/L		Prep Date: 11/2/2009			RunNo: 128630		
Client ID: P2-WW3MS		Batch ID: 56435		SOP 3062		Analysis Date: 11/2/2009			SeqNo: 2426193		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00407	0.00020	0.005000	0	81.4	75	125				
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Sample ID: 09101272-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/2/2009			RunNo: 128630		
Client ID: P2-WW3MSD		Batch ID: 56435		SOP 3062		Analysis Date: 11/2/2009			SeqNo: 2426194		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00395	0.00020	0.005000	0	79.0	75	125	0.004070	2.99	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCS-T091102-1		SampType: LCS		Units: µg/L		Prep Date: 11/2/2009		RunNo: 128641			
Client ID: ZZZZZZ		Batch ID: 56459		SW5030		Analysis Date: 11/2/2009		SeqNo: 2426492			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.5	2.0	50.00	0	105.0	82.7	117				
Ethylbenzene	47.8	5.0	50.00	0	95.6	83	113				
Toluene	48.2	5.0	50.00	0	96.4	79.6	116				
Xylenes, Total	146	5.0	150.0	0	97.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.7		50.00		103.4	74.7	129				
Surr: 4-Bromofluorobenzene	47.3		50.00		94.6	86	119				
Surr: Dibromofluoromethane	52.5		50.00		104.9	81.7	123				
Surr: Toluene-d8	47.2		50.00		94.4	84.3	114				

Sample ID: LCSD-T091102-1		SampType: LCSD		Units: µg/L		Prep Date: 11/2/2009		RunNo: 128641			
Client ID: ZZZZZZ		Batch ID: 56459		SW5030		Analysis Date: 11/2/2009		SeqNo: 2426493			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	53.8	2.0	50.00	0	107.6	82.7	117	52.52	2.37	20	
Ethylbenzene	47.9	5.0	50.00	0	95.8	83	113	47.81	0.230	20	
Toluene	49.0	5.0	50.00	0	98.0	79.6	116	48.18	1.65	20	
Xylenes, Total	150	5.0	150.0	0	99.7	80.3	120	146.1	2.38	20	
Surr: 1,2-Dichloroethane-d4	50.2		50.00		100.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	47.3		50.00		94.7	86	119		0	0	
Surr: Dibromofluoromethane	52.4		50.00		104.8	81.7	123		0	0	
Surr: Toluene-d8	46.2		50.00		92.5	84.3	114		0	0	

Sample ID: MBLK-T091102-1		SampType: MBLK		Units: µg/L		Prep Date: 11/2/2009		RunNo: 128641			
Client ID: ZZZZZZ		Batch ID: 56459		SW5030		Analysis Date: 11/2/2009		SeqNo: 2426495			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	1.1	5.0									J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: MBLK-T091102-1		SampType: MBLK		Units: µg/L		Prep Date: 11/2/2009		RunNo: 128641			
Client ID: ZZZZZZ		Batch ID: 56459		SW5030		Analysis Date: 11/2/2009		SeqNo: 2426495			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.3		50.00		100.6	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119				
Surr: Dibromofluoromethane	51.2		50.00		102.4	81.7	123				
Surr: Toluene-d8	45.7		50.00		91.4	84.3	114				

Sample ID: 09101272-001EMS		SampType: MS		Units: µg/L		Prep Date: 11/2/2009		RunNo: 128641			
Client ID: P2-WW3MS		Batch ID: 56458		SW5030		Analysis Date: 11/2/2009		SeqNo: 2426497			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	46.3	2.0	56.00	0.5000	81.8	57.8	125				
Toluene	54.8	5.0	56.00	0	97.9	75.8	123				
Ethylbenzene	63.8	5.0	56.00	0	113.8	72.8	123				
Xylenes, Total	134	5.0	112.0	1.560	118.0	73	127				
Surr: 1,2-Dichloroethane-d4	49.7		50.00		99.5	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.9	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.3	81.7	123				
Surr: Toluene-d8	46.2		50.00		92.3	84.3	114				

Sample ID: 09101272-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 11/2/2009			RunNo: 128641		
Client ID: P2-WW3MSD		Batch ID: 56458		SW5030		Analysis Date: 11/2/2009			SeqNo: 2426498		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	45.9	2.0	56.00	0.5000	81.1	57.8	125	46.32	0.933	20	
Toluene	56.2	5.0	56.00	0	100.4	75.8	123	54.85	2.50	20	
Ethylbenzene	66.7	5.0	56.00	0	119.0	72.8	123	63.75	4.46	20	
Xylenes, Total	140	5.0	112.0	1.560	123.7	73	127	133.7	4.69	20	
Surr: 1,2-Dichloroethane-d4	50.5		50.00		101.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.6		50.00		99.3	86	119		0	0	
Surr: Dibromofluoromethane	51.8		50.00		103.5	81.7	123		0	0	
Surr: Toluene-d8	46.2		50.00		92.3	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCS-T091102-1	SampType: LCS	Units: %REC			Prep Date: 11/2/2009			RunNo: 128691			
Client ID: ZZZZZZ	Batch ID: 56459	SW5030			Analysis Date: 11/2/2009			SeqNo: 2427783			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	51.7		50.00		103.4	61	128				
Surr: 4-Bromofluorobenzene	47.3		50.00		94.6	78.2	117				
Surr: Toluene-d8	47.2		50.00		94.4	80.1	122				

Sample ID: LCSD-T091102-1	SampType: LCSD	Units: %REC			Prep Date: 11/2/2009			RunNo: 128691			
Client ID: ZZZZZZ	Batch ID: 56459	SW5030			Analysis Date: 11/2/2009			SeqNo: 2427784			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	50.2		50.00		100.4	61	128		0	0	
Surr: 4-Bromofluorobenzene	47.3		50.00		94.7	78.2	117		0	0	
Surr: Toluene-d8	46.2		50.00		92.5	80.1	122		0	0	

Sample ID: MBLK-T091102-1	SampType: MBLK	Units: %REC			Prep Date: 11/2/2009			RunNo: 128691			
Client ID: ZZZZZZ	Batch ID: 56459	SW5030			Analysis Date: 11/2/2009			SeqNo: 2427786			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	50.3		50.00		100.6	61	128				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	78.2	117				
Surr: Toluene-d8	45.7		50.00		91.4	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: MB-56387	SampType: MBLK	Units: mg/L	Prep Date: 10/29/2009	RunNo: 128573							
Client ID: ZZZZZZ	Batch ID: 56387	SW3510C	Analysis Date: 10/30/2009	SeqNo: 2424607							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0177		0.02500		70.9	41.9	97.9				
Surr: 2-Fluorophenol	0.0310		0.05000		62.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.0214		0.02500		85.6	39.9	106				
Surr: Phenol-d5	0.0184		0.05000		36.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.0231		0.02500		92.5	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCS-56387	SampType: LCS	Units: mg/L			Prep Date: 10/29/2009			RunNo: 128573			
Client ID: ZZZZZZ	Batch ID: 56387	SW3510C			Analysis Date: 10/30/2009			SeqNo: 2424608			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00342	0.00010	0.005000	0	68.5	50.1	103				
Acenaphthylene	0.00487	0.00010	0.005000	0	97.4	53.3	122				
Anthracene	0.00398	0.00010	0.005000	0	79.5	57.4	110				
Benzo(a)anthracene	0.00384	0.00010	0.005000	0	76.9	56	102				
Benzo(a)pyrene	0.00474	0.00010	0.005000	0	94.7	55.4	125				
Benzo(b)fluoranthene	0.00453	0.00010	0.005000	0	90.6	59.3	127				
Benzo(g,h,i)perylene	0.00408	0.00010	0.005000	0	81.6	58.4	125				
Benzo(k)fluoranthene	0.00468	0.00010	0.005000	0	93.7	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00493	0.00200	0.005000	0	98.6	63.2	152				
Chrysene	0.00479	0.00010	0.005000	0	95.8	58.7	118				
Dibenzo(a,h)anthracene	0.00416	0.00010	0.005000	0	83.2	59.3	126				
Diethyl phthalate	0.00442	0.00100	0.005000	0	88.4	55.3	133				
Di-n-butyl phthalate	0.00467	0.00100	0.005000	0	93.5	61.5	130				
Fluoranthene	0.00419	0.00010	0.005000	0	83.8	60.1	117				
Fluorene	0.00369	0.00010	0.005000	0	73.7	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00420	0.00010	0.005000	0	84.0	58.1	123				
m,p-Cresol	0.00279	0.00010	0.005000	0	55.8	17.9	107				
Naphthalene	0.00275	0.00010	0.005000	0	55.0	36.3	97.1				
o-Cresol	0.00314	0.00010	0.005000	0	62.8	20.5	109				
Phenanthrene	0.00402	0.00010	0.005000	0	80.4	55.9	107				
Pyrene	0.00438	0.00010	0.005000	0	87.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.0163		0.02500		65.3	41.9	97.9				
Surr: 2-Fluorophenol	0.0251		0.05000		50.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.0182		0.02500		72.6	39.9	106				
Surr: Phenol-d5	0.0155		0.05000		31.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.0226		0.02500		90.5	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: LCSD-56387		SampType: LCSD		Units: mg/L		Prep Date: 10/29/2009		RunNo: 128573			
Client ID: ZZZZZZ		Batch ID: 56387		SW3510C		Analysis Date: 10/30/2009		SeqNo: 2424609			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00341	0.00010	0.005000	0	68.2	50.1	103	0.003425	0.410	50	
Acenaphthylene	0.00501	0.00010	0.005000	0	100.2	53.3	122	0.004869	2.81	50	
Anthracene	0.00393	0.00010	0.005000	0	78.7	57.4	110	0.003977	1.11	50	
Benzo(a)anthracene	0.00379	0.00010	0.005000	0	75.8	56	102	0.003843	1.42	50	
Benzo(a)pyrene	0.00469	0.00010	0.005000	0	93.8	55.4	125	0.004736	0.976	50	
Benzo(b)fluoranthene	0.00456	0.00010	0.005000	0	91.2	59.3	127	0.004531	0.594	50	
Benzo(g,h,i)perylene	0.00405	0.00010	0.005000	0	81.0	58.4	125	0.004081	0.787	50	
Benzo(k)fluoranthene	0.00458	0.00010	0.005000	0	91.5	61.5	125	0.004683	2.33	50	
Bis(2-ethylhexyl)phthalate	0.00524	0.00200	0.005000	0	104.9	63.2	152	0.004929	6.17	50	
Chrysene	0.00475	0.00010	0.005000	0	95.1	58.7	118	0.004790	0.754	50	
Dibenzo(a,h)anthracene	0.00412	0.00010	0.005000	0	82.5	59.3	126	0.004162	0.893	50	
Diethyl phthalate	0.00435	0.00100	0.005000	0	86.9	55.3	133	0.004418	1.64	0	
Di-n-butyl phthalate	0.00446	0.00100	0.005000	0	89.2	61.5	130	0.004674	4.64	50	
Fluoranthene	0.00410	0.00010	0.005000	0	81.9	60.1	117	0.004192	2.32	50	
Fluorene	0.00368	0.00010	0.005000	0	73.5	54.1	110	0.003685	0.217	50	
Indeno(1,2,3-cd)pyrene	0.00417	0.00010	0.005000	0	83.4	58.1	123	0.004199	0.645	50	
m,p-Cresol	0.00265	0.00010	0.005000	0	53.1	17.9	107	0.002789	4.96	50	
Naphthalene	0.00317	0.00010	0.005000	0	63.4	36.3	97.1	0.002751	14.2	50	
o-Cresol	0.00309	0.00010	0.005000	0	61.8	20.5	109	0.003142	1.60	50	
Phenanthrene	0.00386	0.00010	0.005000	0	77.1	55.9	107	0.004022	4.21	50	
Pyrene	0.00424	0.00010	0.005000	0	84.7	61.4	116	0.004376	3.23	50	
Surr: 2-Fluorobiphenyl	0.0153		0.02500		61.3	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0247		0.05000		49.3	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0176		0.02500		70.2	39.9	106		0	50	
Surr: Phenol-d5	0.0150		0.05000		30.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0214		0.02500		85.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09101272

Report Date: 05-Nov-09

Sample ID: 09101272-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 128644			
Client ID: P2-WW3MS	Batch ID: R128644				Analysis Date: 11/2/2009			SeqNo: 2427058			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	2.05	0.140	0.05000	1.922	248.6	75	125				S

Sample ID: 09101272-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 128644			
Client ID: P2-WW3MSD	Batch ID: R128644				Analysis Date: 11/2/2009			SeqNo: 2427059			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.87	0.140	0.05000	1.922	-98.5	75	125	2.046	8.86	15	S

Sample ID: MB-R128644	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 128644			
Client ID: ZZZZZZ	Batch ID: R128644				Analysis Date: 11/2/2009			SeqNo: 2427062			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R128644	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 128644			
Client ID: ZZZZZZ	Batch ID: R128644				Analysis Date: 11/2/2009			SeqNo: 2427063			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.101	0.007	0.1000	0	101.0	85	115				

Sample ID: LCS-LCS-R128644	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 128644			
Client ID: ZZZZZZ	Batch ID: R128644				Analysis Date: 11/2/2009			SeqNo: 2427064			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.102	0.007	0.1000	0	102.2	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 09101272

Report Date: 05-Nov-09

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

30-Oct-09

Marvin L. Darling

Reviewed by:

On:

30-Oct-09

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 8.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

Chain of Custody Record

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 08896

09101272

[illegible]

December 23, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 09120705

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 12/16/2009 4:26:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120705

Report Date: 23-Dec-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09120705-001	P2-WW5	5	12/16/2009 11:00:00 AM
09120705-002	T-1	1	12/14/2009 2:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 09120705

Report Date: 23-Dec-09

Cooler Receipt Temp: 0.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09120705

Lab ID: 09120705-001

Report Date: 23-Dec-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW5

Collection Date: 12/16/2009 11:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		3.67		1	12/16/2009 6:57:00 PM	LDG
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	9	mg/L	1	12/17/2009 1:00:00 PM	HMH
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		90	mg/L	1	12/17/2009 12:10:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/17/2009 9:46:59 AM	LAL
Barium	NELAP	0.0050		0.101	mg/L	1	12/17/2009 9:46:59 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	12/17/2009 9:46:59 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	12/17/2009 9:46:59 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	12/17/2009 9:46:59 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	12/17/2009 9:46:59 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0025	mg/L	1	12/17/2009 12:00:00 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.0121	mg/L	1	12/17/2009 10:51:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00012	mg/L	1	12/17/2009 10:51:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	12/17/2009 10:51:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09120705

Lab ID: 09120705-001

Report Date: 23-Dec-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW5

Collection Date: 12/16/2009 11:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		82.3	%REC	1	12/17/2009 10:51:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		46.0	%REC	1	12/17/2009 10:51:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		82.1	%REC	1	12/17/2009 10:51:00 AM	MAV
Surr: Phenol-d5		11-42.8		27.5	%REC	1	12/17/2009 10:51:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		90.2	%REC	1	12/17/2009 10:51:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.7	µg/L	1	12/16/2009 8:50:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/16/2009 8:50:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	12/16/2009 8:50:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	12/16/2009 8:50:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		107.4	%REC	1	12/16/2009 8:50:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		101.4	%REC	1	12/16/2009 8:50:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		99.6	%REC	1	12/16/2009 8:50:00 PM	TAL
Surr: Toluene-d8		84.3-114		101.0	%REC	1	12/16/2009 8:50:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	12/17/2009	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.232	J	0.23	mg/L	20	12/18/2009 11:19:26 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.162	S	1.96	mg/L	20	12/17/2009 1:14:01 PM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results. When duplicate results for TSS are 20 mg/L or less and have a difference of no greater than the PQL, the results are considered within the precision of the test method and are reportable.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

Client Project: A831-735002-012901-225/Ameren C

WorkOrder: 09120705

Client Sample ID: T-1

Lab ID: 09120705-002

Collection Date: 12/14/2009 2:00:00 PM

Report Date: 23-Dec-09

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.151		1.48	mg/L	20	12/17/2009 1:14:01 PM	RCE

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6249080120**Lab Order:** 09120705**Report Date:** 23-Dec-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09120705-001A	P2-WW5	12/16/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	12/17/2009 9:46:39 AM	12/17/2009 10:51:00 AM
09120705-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		12/16/2009 6:57:00 PM
				Standard Methods 18th Ed. 2540 D		12/17/2009 1:00:00 PM
				Standard Methods 18th Ed. 5210 B	12/17/2009 12:10:00 PM	12/17/2009 12:10:00 PM
09120705-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	12/16/2009 6:15:00 PM	12/17/2009 9:46:59 AM
				SW-846 3020A, Metals by GFAA (Total)	12/16/2009 6:11:46 PM	12/17/2009 11:36:24 AM
				SW-846 3020A, Metals by GFAA (Total)	12/16/2009 6:11:46 PM	12/17/2009 12:00:00 PM
				SW-846 7470A (Total)	12/16/2009 7:01:11 PM	12/17/2009
09120705-001D				SW-846 9012A		12/18/2009 11:19:26 AM
				SW-846 9012A (Total)		12/17/2009 1:14:01 PM
09120705-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		12/16/2009 8:50:00 PM
09120705-002A	T-1	12/14/2009		SW-846 9012A (Total)		12/17/2009 1:14:01 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120705

Report Date: 23-Dec-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R130309		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 130309		
Client ID: ZZZZZZ		Batch ID: R130309					Analysis Date: 12/17/2009			SeqNo: 2468658	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R130309		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 130309		
Client ID: ZZZZZZ		Batch ID: R130309			Analysis Date: 12/17/2009			SeqNo: 2468659				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Sample ID: 09120705-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 130309		
Client ID: P2-WW5DUP		Batch ID: R130309			Analysis Date: 12/17/2009			SeqNo: 2468671				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	7	6						9.000	25.0	15	R
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 130309		
Client ID: ZZZZZZ		Batch ID: R130309			Analysis Date: 12/17/2009			SeqNo: 2468680				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 130309			
Client ID: ZZZZZZ	Batch ID: R130309				Analysis Date: 12/17/2009			SeqNo: 2468700			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: 09120705-001BDUP		SampType: DUP			Units:		Prep Date:		RunNo: 130279		
Client ID: P2-WW5DUP		Batch ID: R130279					Analysis Date: 12/16/2009		SeqNo: 2468086		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	3.66	1.00						3.670	0.273	10	

Sample ID: LCS-R130279		SampType: LCS			Units:		Prep Date:		RunNo: 130279		
Client ID: ZZZZZZ		Batch ID: R130279					Analysis Date: 12/16/2009		SeqNo: 2468322		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.04	1.00	7.000	0	100.6	99.1	100.9				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: LCS-57461	SampType: LCS	Units: mg/L			Prep Date: 12/17/2009			RunNo: 130491			
Client ID: ZZZZZZ	Batch ID: 57461	SOP 2030			Analysis Date: 12/17/2009			SeqNo: 2473585			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	200	5	198.0	0	101.0	84.6	115.4				

Sample ID: LCSQC-57461	SampType: LCSQC	Units: mg/L			Prep Date: 12/17/2009			RunNo: 130491			
Client ID: ZZZZZZ	Batch ID: 57461	SOP 2030			Analysis Date: 12/17/2009			SeqNo: 2473586			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	59	5	56.40	0	104.6	62	130.4				

Sample ID: 09120705-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 12/17/2009			RunNo: 130491			
Client ID: P2-WW5DUP	Batch ID: 57461	SOP 2030			Analysis Date: 12/17/2009			SeqNo: 2473621			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	99	5						90.00	9.52	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: MB-57325		SampType: MBLK			Units: mg/L		Prep Date: 12/16/2009		RunNo: 130297		
Client ID: ZZZZZZ		Batch ID: 57325			SOP 3034		Analysis Date: 12/17/2009		SeqNo: 2468445		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-57325		SampType: LCS			Units: mg/L		Prep Date: 12/16/2009		RunNo: 130297		
Client ID: ZZZZZZ		Batch ID: 57325			SOP 3034		Analysis Date: 12/17/2009		SeqNo: 2468449		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0250	2.000	0	101.5	85	115				
Barium	2.00	0.0050	2.000	0	99.8	85	115				
Cadmium	0.0498	0.0020	0.05000	0	99.6	85	115				
Chromium	0.200	0.0100	0.2000	0	100.2	85	115				
Selenium	2.04	0.0500	2.000	0	102.0	85	115				
Silver	0.0471	0.0100	0.05000	0	94.2	85	115				

Sample ID: MB-57325		SampType: MBLK			Units: mg/L		Prep Date: 12/16/2009		RunNo: 130297		
Client ID: ZZZZZZ		Batch ID: 57325			SOP 3034		Analysis Date: 12/17/2009		SeqNo: 2468446		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: LCS-57325	SampType: LCS	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130297		
Client ID: ZZZZZZ	Batch ID: 57325	SOP 3034				Analysis Date: 12/17/2009			SeqNo: 2468450		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0250	2.000	0	101.5	85	115				
Barium	2.00	0.0050	2.000	0	99.8	85	115				
Cadmium	0.0498	0.0020	0.05000	0	99.6	85	115				
Chromium	0.200	0.0100	0.2000	0	100.2	85	115				
Selenium	2.04	0.0500	2.000	0	102.0	85	115				
Silver	0.0471	0.0100	0.05000	0	94.2	85	115				

Sample ID: 09120705-001CMS	SampType: MS	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130297		
Client ID: P2-WW5MS	Batch ID: 57325	SOP 3034				Analysis Date: 12/17/2009			SeqNo: 2468454		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	103.9	75	125				
Barium	2.01	0.0050	2.000	0.1009	95.3	75	125				
Cadmium	0.0473	0.0020	0.05000	0	94.6	75	125				
Chromium	0.211	0.0100	0.2000	0	105.7	75	125				
Selenium	2.12	0.0500	2.000	0	105.8	75	125				
Silver	0.0484	0.0100	0.05000	0	96.8	75	125				

Sample ID: 09120705-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130297		
Client ID: P2-WW5MSD	Batch ID: 57325	SOP 3034				Analysis Date: 12/17/2009			SeqNo: 2468455		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	105.0	75	125	2.078	1.10	20	
Barium	2.01	0.0050	2.000	0.1009	95.6	75	125	2.006	0.299	20	
Cadmium	0.0481	0.0020	0.05000	0	96.2	75	125	0.04730	1.68	20	
Chromium	0.199	0.0100	0.2000	0	99.4	75	125	0.2113	6.15	20	
Selenium	2.13	0.0500	2.000	0	106.6	75	125	2.117	0.753	20	
Silver	0.0503	0.0100	0.05000	0	100.6	75	125	0.04840	3.85	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: MB-57329		SampType: MBLK		Units: mg/L		Prep Date: 12/16/2009		RunNo: 130303			
Client ID: ZZZZZZ		Batch ID: 57329		SOP 3044		Analysis Date: 12/17/2009		SeqNo: 2468573			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-57329		SampType: LCS			Units: mg/L		Prep Date: 12/16/2009			RunNo: 130303		
Client ID: ZZZZZZ		Batch ID: 57329			SOP 3044		Analysis Date: 12/17/2009			SeqNo: 2468575		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0151	0.0020	0.01500	0	100.8	80	120			
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Sample ID: 09120705-001CMS		SampType: MS		Units: mg/L		Prep Date: 12/16/2009		RunNo: 130303			
Client ID: P2-WW5MS		Batch ID: 57329		SOP 3044		Analysis Date: 12/17/2009		SeqNo: 2468588			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0165	0.0020	0.01500	0.002477	93.5	70	130			
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Sample ID: 09120705-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 12/16/2009			RunNo: 130303		
Client ID: P2-WW5MSD		Batch ID: 57329		SOP 3044		Analysis Date: 12/17/2009			SeqNo: 2468590		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0170	0.0020	0.01500	0.002477	96.5	70	130	0.01651	2.70	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: MB-57331	SampType: MBLK	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ	Batch ID: 57331	SOP 3062				Analysis Date: 12/17/2009			SeqNo: 2468813		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-57331	SampType: LCS	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ	Batch ID: 57331	SOP 3062				Analysis Date: 12/17/2009			SeqNo: 2468814		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00505	0.00020	0.005000	0	101.0	85	115				

Sample ID: MB-57331	SampType: MBLK	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ	Batch ID: 57331	SOP 3062				Analysis Date: 12/17/2009			SeqNo: 2468815		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-57331	SampType: LCS	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ	Batch ID: 57331	SOP 3062				Analysis Date: 12/17/2009			SeqNo: 2468816		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00505	0.00020	0.005000	0	101.0	85	115				

Sample ID: 09120705-001CMS	SampType: MS	Units: mg/L				Prep Date: 12/16/2009			RunNo: 130316		
Client ID: P2-WW5MS	Batch ID: 57331	SOP 3062				Analysis Date: 12/17/2009			SeqNo: 2468822		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00450	0.00020	0.005000	0	90.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: 09120705-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 12/16/2009		RunNo: 130316			
Client ID: P2-WW5MSD		Batch ID: 57331		SOP 3062		Analysis Date: 12/17/2009		SeqNo: 2468864			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00448	0.00020	0.005000	0	89.6	75	125	0.004500	0.445	15
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Sample ID: MB-57331		SampType: MBLK		Units: µg/L		Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ		Batch ID: 57331		SOP 3062		Analysis Date: 12/17/2009			SeqNo: 2468819		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100
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Sample ID: LCS-57331	SampType: LCS	Units: µg/L			Prep Date: 12/16/2009			RunNo: 130316			
Client ID: ZZZZZZ	Batch ID: 57331	SOP 3062			Analysis Date: 12/17/2009			SeqNo: 2468820			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	5.05	0.20	5.000	0	101.0	85	115
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Sample ID: MB-57331		SampType: MBLK			Units: µg/L		Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ		Batch ID: 57331			SOP 3062		Analysis Date: 12/17/2009			SeqNo: 2468817		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.20	0.20	0.2000	0	0	-100	100
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Sample ID: LCS-57331		SampType: LCS			Units: µg/L		Prep Date: 12/16/2009			RunNo: 130316		
Client ID: ZZZZZZ		Batch ID: 57331			SOP 3062		Analysis Date: 12/17/2009			SeqNo: 2468818		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	5.05	0.20	5.000	0	101.0	85	115
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: LCS-T091216-1	SampType: LCS	Units: µg/L				Prep Date: 12/16/2009			RunNo: 130300		
Client ID: ZZZZZZ	Batch ID: 57342	SW5030				Analysis Date: 12/16/2009			SeqNo: 2468472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.4	2.0	50.00	0	102.7	82.7	117				
Ethylbenzene	49.3	5.0	50.00	0	98.5	83	113				
Toluene	49.5	5.0	50.00	0	98.9	79.6	116				
Xylenes, Total	150	5.0	150.0	0	100	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.5		50.00		104.9	74.7	129				
Surr: 4-Bromofluorobenzene	48.9		50.00		97.9	86	119				
Surr: Dibromofluoromethane	51.9		50.00		103.8	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.5	84.3	114				

Sample ID: LCSD-T091216-1	SampType: LCSD	Units: µg/L				Prep Date: 12/16/2009			RunNo: 130300		
Client ID: ZZZZZZ	Batch ID: 57342	SW5030				Analysis Date: 12/16/2009			SeqNo: 2468473		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.8	2.0	50.00	0	99.5	82.7	117	51.37	3.20	20	
Ethylbenzene	47.3	5.0	50.00	0	94.7	83	113	49.27	4.02	20	
Toluene	48.5	5.0	50.00	0	96.9	79.6	116	49.47	2.06	20	
Xylenes, Total	146	5.0	150.0	0	97.1	80.3	120	150.0	2.94	20	
Surr: 1,2-Dichloroethane-d4	53.0		50.00		105.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	47.0		50.00		94.0	86	119		0	0	
Surr: Dibromofluoromethane	52.3		50.00		104.6	81.7	123		0	0	
Surr: Toluene-d8	50.7		50.00		101.5	84.3	114		0	0	

Sample ID: MBLK-T091216-1	SampType: MBLK	Units: µg/L				Prep Date: 12/16/2009			RunNo: 130300		
Client ID: ZZZZZZ	Batch ID: 57342	SW5030				Analysis Date: 12/16/2009			SeqNo: 2468474		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: MBLK-T091216-1		SampType: MBLK		Units: µg/L		Prep Date: 12/16/2009		RunNo: 130300			
Client ID: ZZZZZZ		Batch ID: 57342		SW5030		Analysis Date: 12/16/2009		SeqNo: 2468474			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	51.4		50.00		102.7	74.7	129				
Surr: 4-Bromofluorobenzene	49.7		50.00		99.5	86	119				
Surr: Dibromofluoromethane	50.1		50.00		100.2	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.7	84.3	114				

Sample ID: 09120705-001EMS		SampType: MS		Units: µg/L		Prep Date: 12/16/2009		RunNo: 130300			
Client ID: P2-WW5MS		Batch ID: 57342		SW5030		Analysis Date: 12/16/2009		SeqNo: 2468482			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	59.9	2.0	56.00	0.6700	105.8	57.8	125				
Toluene	62.9	5.0	56.00	0	112.3	75.8	123				
Ethylbenzene	64.3	5.0	56.00	0	114.8	72.8	123				
Xylenes, Total	133	5.0	112.0	0	118.9	73	127				
Surr: 1,2-Dichloroethane-d4	55.0		50.00		110.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.6		50.00		103.3	86	119				
Surr: Dibromofluoromethane	50.3		50.00		100.7	81.7	123				
Surr: Toluene-d8	51.2		50.00		102.3	84.3	114				

Sample ID: 09120705-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 12/16/2009		RunNo: 130300			
Client ID: P2-WW5MSD		Batch ID: 57342		SW5030		Analysis Date: 12/16/2009		SeqNo: 2468483			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	59.2	2.0	56.00	0.6700	104.4	57.8	125	59.93	1.31	20	
Toluene	62.4	5.0	56.00	0	111.4	75.8	123	62.89	0.782	20	
Ethylbenzene	63.5	5.0	56.00	0	113.4	72.8	123	64.26	1.17	20	
Xylenes, Total	129	5.0	112.0	0	115.4	73	127	133.2	3.01	20	
Surr: 1,2-Dichloroethane-d4	55.6		50.00		111.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.8		50.00		103.7	86	119		0	0	
Surr: Dibromofluoromethane	50.6		50.00		101.2	81.7	123		0	0	
Surr: Toluene-d8	50.4		50.00		100.8	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: MB-57318	SampType: MBLK	Units: mg/L			Prep Date: 12/16/2009			RunNo: 130278			
Client ID: ZZZZZZ	Batch ID: 57318	SW3510C			Analysis Date: 12/16/2009			SeqNo: 2468065			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00360		0.005000		72.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00433		0.01000		43.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00366		0.005000		73.2	39.9	106				
Surr: Phenol-d5	0.00277		0.01000		27.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00414		0.005000		82.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: LCS-57318	SampType: LCS	Units: mg/L			Prep Date: 12/16/2009			RunNo: 130278			
Client ID: ZZZZZZ	Batch ID: 57318	SW3510C			Analysis Date: 12/16/2009			SeqNo: 2468066			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00385	0.00010	0.005000	0	77.0	50.1	103				
Acenaphthylene	0.00514	0.00010	0.005000	0	102.8	53.3	122				
Anthracene	0.00374	0.00010	0.005000	0	74.7	57.4	110				
Benzo(a)anthracene	0.00356	0.00010	0.005000	0	71.2	56	102				
Benzo(a)pyrene	0.00426	0.00010	0.005000	0	85.2	55.4	125				
Benzo(b)fluoranthene	0.00420	0.00010	0.005000	0	83.9	59.3	127				
Benzo(g,h,i)perylene	0.00439	0.00010	0.005000	0	87.9	58.4	125				
Benzo(k)fluoranthene	0.00415	0.00010	0.005000	0	83.0	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00442	0.00200	0.005000	0	88.4	63.2	152				
Chrysene	0.00452	0.00010	0.005000	0	90.4	58.7	118				
Dibenzo(a,h)anthracene	0.00442	0.00010	0.005000	0	88.4	59.3	126				
Diethyl phthalate	0.00426	0.00100	0.005000	0	85.2	55.3	133				
Dimethyl phthalate	0.00413	0.00100	0.005000	0	82.7	55.7	112				
Di-n-butyl phthalate	0.00393	0.00100	0.005000	0	78.6	61.5	130				
Fluoranthene	0.00393	0.00010	0.005000	0	78.5	60.1	117				
Fluorene	0.00383	0.00010	0.005000	0	76.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00448	0.00010	0.005000	0	89.5	58.1	123				
m,p-Cresol	0.00240	0.00010	0.005000	0	48.1	17.9	107				
Naphthalene	0.00350	0.00010	0.005000	0	69.9	36.3	97.1				
o-Cresol	0.00265	0.00010	0.005000	0	53.0	20.5	109				
Phenanthrene	0.00399	0.00010	0.005000	0	79.8	55.9	107				
Pyrene	0.00404	0.00010	0.005000	0	80.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00360		0.005000		72.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00460		0.01000		46.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00384		0.005000		76.8	39.9	106				
Surr: Phenol-d5	0.00280		0.01000		28.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00421		0.005000		84.2	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: LCSD-57318		SampType: LCSD		Units: mg/L		Prep Date: 12/16/2009		RunNo: 130278			
Client ID: ZZZZZZ		Batch ID: 57318		SW3510C		Analysis Date: 12/16/2009		SeqNo: 2468067			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00395	0.00010	0.005000	0	79.0	50.1	103	0.003849	2.54	50	
Acenaphthylene	0.00532	0.00010	0.005000	0	106.4	53.3	122	0.005141	3.46	50	
Anthracene	0.00380	0.00010	0.005000	0	75.9	57.4	110	0.003737	1.57	50	
Benzo(a)anthracene	0.00364	0.00010	0.005000	0	72.9	56	102	0.003561	2.33	50	
Benzo(a)pyrene	0.00440	0.00010	0.005000	0	88.0	55.4	125	0.004258	3.26	50	
Benzo(b)fluoranthene	0.00429	0.00010	0.005000	0	85.9	59.3	127	0.004195	2.33	50	
Benzo(g,h,i)perylene	0.00460	0.00010	0.005000	0	92.0	58.4	125	0.004393	4.63	50	
Benzo(k)fluoranthene	0.00425	0.00010	0.005000	0	85.1	61.5	125	0.004149	2.48	50	
Bis(2-ethylhexyl)phthalate	0.00420	0.00200	0.005000	0	84.0	63.2	152	0.004422	5.13	50	
Chrysene	0.00445	0.00010	0.005000	0	89.1	58.7	118	0.004520	1.49	50	
Dibenzo(a,h)anthracene	0.00448	0.00010	0.005000	0	89.5	59.3	126	0.004420	1.26	50	
Diethyl phthalate	0.00440	0.00100	0.005000	0	88.0	55.3	133	0.004262	3.19	0	
Dimethyl phthalate	0.00416	0.00100	0.005000	0	83.3	55.7	112	0.004134	0.699	0	
Di-n-butyl phthalate	0.00391	0.00100	0.005000	0	78.2	61.5	130	0.003932	0.587	50	
Fluoranthene	0.00400	0.00010	0.005000	0	80.0	60.1	117	0.003927	1.89	50	
Fluorene	0.00402	0.00010	0.005000	0	80.3	54.1	110	0.003829	4.79	50	
Indeno(1,2,3-cd)pyrene	0.00448	0.00010	0.005000	0	89.7	58.1	123	0.004476	0.179	50	
m,p-Cresol	0.00242	0.00010	0.005000	0	48.5	17.9	107	0.002404	0.829	50	
Naphthalene	0.00356	0.00010	0.005000	0	71.2	36.3	97.1	0.003496	1.76	50	
o-Cresol	0.00286	0.00010	0.005000	0	57.2	20.5	109	0.002648	7.63	50	
Phenanthrene	0.00404	0.00010	0.005000	0	80.8	55.9	107	0.003989	1.32	50	
Pyrene	0.00404	0.00010	0.005000	0	80.7	61.4	116	0.004037	0.0248	50	
Surr: 2-Fluorobiphenyl	0.00337		0.005000		67.4	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00435		0.01000		43.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106		0	50	
Surr: Phenol-d5	0.00267		0.01000		26.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00394		0.005000		78.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09120705

Report Date: 23-Dec-09

Sample ID: MB-R130320		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 130320		
Client ID: ZZZZZZ		Batch ID: R130320			Analysis Date: 12/17/2009			SeqNo: 2468890				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R130320		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 130320		
Client ID: ZZZZZZ		Batch ID: R130320			Analysis Date: 12/17/2009			SeqNo: 2468891				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.109	0.008	0.1000	0	108.9	90	110				
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Sample ID: 09120705-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 130320		
Client ID: P2-WW5MS		Batch ID: R130320		Analysis Date: 12/17/2009						SeqNo: 2468893	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.95	0.151	0.05400	1.961	-26.5	75	125				S
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Sample ID: 09120705-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 130320		
Client ID: P2-WW5MSD		Batch ID: R130320					Analysis Date: 12/17/2009			SeqNo: 2468894	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	2.07	0.168	0.06000	1.961	181.5	75	125	1.947	6.14	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120705

Report Date: 23-Dec-09

Carrier: Derek Ingram

Received By: MLD

Completed by:

Marvin L. Darling II

Reviewed by:

Heather A. White

On:

On:

16-Dec-09

17-Dec-09

Marvin L. Darling

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 0.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 09571**

09/20/05

Project Name: <u>AMERILAB CAMP</u> Project Mgr.: <u>P. SAZAMA</u>		Analyses by Method		Name and Number		Laboratory Temperature upon Receipt <u>0.4</u> <u>PREC. MVDH</u> <u>12/16/09</u>	Lab ID #'s						
Project Number: <u>624-0908-0120</u> Cost Code: <u>10002</u>		Total Number of Containers											
Sampler(s): <u>D. INGRAM</u>	Matrix	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method	Name and Number	Comments (Field PID)	Lab ID #'s
Laboratory	Name: <u>TEKLAB, INC.</u>												
	Location: <u>Collinsville, IL</u>												
	Sample Number and (depth)	Date	Time										
	<u>P2-WW5</u>	<u>12/16/09</u>	<u>1100</u>										
	<u>T-1</u>	<u>12/16/09</u>	<u>1400</u>										
<u>1 DAY</u>													

Samples Iced: ☒ Yes ☐ No		Lab Directives:	
Preservatives (ONLY for Water Samples)		Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
☐ Volatile Organics		Fax and/or Mail Results to: <u>P. SAZAMA & L. HOOSIER</u>	
☐ VOC Soil (5035)		Send Invoice to:	
☐ TPH		QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
☐ Metals		Special Guidelines:	
☐ Cyanide		Reporting Limits:	
☐ Other (Specify) _____		* Special:	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Signature	Signature	Signature	Signature
	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
	Date	Date	Date	Date	Date
	<u>12/16/09</u>	<u>12/16/09</u>	<u>12/16/09</u>	<u>12/16/09</u>	<u>12/16/09</u>
	Time	Time	Time	Time	Time
	<u>1626</u>	<u>1626</u>	<u>1626</u>	<u>1626</u>	<u>1626</u>

December 29, 2009

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 09120931

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 12/22/2009 9:56:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120931

Report Date: 29-Dec-09

Lab Sample ID	Client Sample ID	Fractions	Collection Date
09120931-001	P2-WW6	5	12/21/2009 11:40:00 AM
09120931-002	P2-WW7	5	12/21/2009 12:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 09120931

Report Date: 29-Dec-09

Cooler Receipt Temp: 2.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09120931

Lab ID: 09120931-001

Report Date: 29-Dec-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW6

Collection Date: 12/21/2009 11:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.57		1	12/22/2009 8:14:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	12/22/2009 11:25:00 AM	MVS
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		0.15	mg/L	1	12/22/2009 12:05:00 PM	DLW
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		9	mg/L	1	12/23/2009 11:30:00 AM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/23/2009 10:52:18 AM	LAL
Barium	NELAP	0.0050		0.0710	mg/L	1	12/23/2009 10:52:18 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	12/23/2009 10:52:18 AM	LAL
Chromium	NELAP	0.0100	J	0.0067	mg/L	1	12/23/2009 10:52:18 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	12/23/2009 10:52:18 AM	LAL
Silver	NELAP	0.0100	J	0.0041	mg/L	1	12/23/2009 10:52:18 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	12/23/2009 9:28:14 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09120931

Lab ID: 09120931-001

Report Date: 29-Dec-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW6

Collection Date: 12/21/2009 11:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	12/22/2009 6:59:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		72.0	%REC	1	12/22/2009 6:59:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.3	%REC	1	12/22/2009 6:59:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		70.8	%REC	1	12/22/2009 6:59:00 PM	MAV
Surr: Phenol-d5		11-42.8		22.5	%REC	1	12/22/2009 6:59:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		75.6	%REC	1	12/22/2009 6:59:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	12/22/2009 2:19:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2009 2:19:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	12/22/2009 2:19:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	12/22/2009 2:19:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		98.0	%REC	1	12/22/2009 2:19:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		106.1	%REC	1	12/22/2009 2:19:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		99.7	%REC	1	12/22/2009 2:19:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.6	%REC	1	12/22/2009 2:19:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	12/22/2009	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	12/23/2009 9:03:54 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350		2.05	mg/L	50	12/23/2009 9:03:54 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09120931

Lab ID: 09120931-002

Report Date: 29-Dec-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW7

Collection Date: 12/21/2009 12:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.79		1	12/22/2009 8:14:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		60	mg/L	1	12/22/2009 11:25:00 AM	MVS
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		< 0.05	mg/L	1	12/22/2009 12:05:00 PM	DLW
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	12/23/2009 11:30:00 AM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/23/2009 11:12:03 AM	LAL
Barium	NELAP	0.0050		0.0366	mg/L	1	12/23/2009 11:12:03 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	12/23/2009 11:12:03 AM	LAL
Chromium	NELAP	0.0100	J	0.0053	mg/L	1	12/23/2009 11:12:03 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	12/23/2009 11:12:03 AM	LAL
Silver	NELAP	0.0100	J	0.0034	mg/L	1	12/23/2009 11:12:03 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0004	mg/L	1	12/23/2009 9:31:36 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0013	mg/L	1	12/22/2009 7:36:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	12/22/2009 7:36:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 09120931

Lab ID: 09120931-002

Report Date: 29-Dec-09

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: P2-WW7

Collection Date: 12/21/2009 12:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		0.00013	mg/L	1	12/22/2009 7:36:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00013	mg/L	1	12/22/2009 7:36:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		74.8	%REC	1	12/22/2009 7:36:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		39.8	%REC	1	12/22/2009 7:36:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		74.4	%REC	1	12/22/2009 7:36:00 PM	MAV
Surr: Phenol-d5		11-42.8		25.1	%REC	1	12/22/2009 7:36:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		84.0	%REC	1	12/22/2009 7:36:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	12/22/2009 2:50:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2009 2:50:00 PM	CCF
Toluene	NELAP	5.0	J	1.1	µg/L	1	12/22/2009 2:50:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	12/22/2009 2:50:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		101.3	%REC	1	12/22/2009 2:50:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		102.0	%REC	1	12/22/2009 2:50:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		100.8	%REC	1	12/22/2009 2:50:00 PM	CCF
Surr: Toluene-d8		84.3-114		95.4	%REC	1	12/22/2009 2:50:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	12/22/2009	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	12/23/2009 9:03:54 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	1.49	mg/L	50	12/23/2009 9:03:54 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
09120931-001A	P2-WW6	12/21/2009	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	12/22/2009 12:54:23 PM	12/22/2009 6:59:00 PM
09120931-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		12/22/2009 8:14:00 PM
				Standard Methods 18th Ed. 2540 D		12/22/2009 11:25:00 AM
				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		12/22/2009 12:05:00 PM
				Standard Methods 18th Ed. 5210 B	12/23/2009 11:30:00 AM	12/23/2009 11:30:00 AM
09120931-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	12/22/2009 1:44:59 PM	12/23/2009 10:52:18 AM
				SW-846 3020A, Metals by GFAA (Total)	12/22/2009 11:29:57 AM	12/23/2009 9:28:14 AM
				SW-846 7470A (Total)	12/22/2009 11:20:30 AM	12/22/2009
09120931-001D				SW-846 9012A		12/23/2009 9:03:54 AM
				SW-846 9012A (Total)		12/23/2009 9:03:54 AM
09120931-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		12/22/2009 2:19:00 PM
09120931-002A	P2-WW7			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	12/22/2009 12:54:23 PM	12/22/2009 7:36:00 PM
09120931-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		12/22/2009 8:14:00 PM
				Standard Methods 18th Ed. 2540 D		12/22/2009 11:25:00 AM
				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		12/22/2009 12:05:00 PM
				Standard Methods 18th Ed. 5210 B	12/23/2009 11:30:00 AM	12/23/2009 11:30:00 AM
09120931-002C				SW-846 3005A, 6010B, Metals by ICP (Total)	12/22/2009 1:44:59 PM	12/23/2009 11:12:03 AM
				SW-846 3020A, Metals by GFAA (Total)	12/22/2009 11:29:57 AM	12/23/2009 9:31:36 AM
				SW-846 7470A (Total)	12/22/2009 11:20:30 AM	12/22/2009
09120931-002D				SW-846 9012A		12/23/2009 9:03:54 AM
				SW-846 9012A (Total)		12/23/2009 9:03:54 AM
09120931-002E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		12/22/2009 2:50:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120931

Report Date: 29-Dec-09

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R130518		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 130518		
Client ID: ZZZZZZ		Batch ID: R130518					Analysis Date: 12/22/2009			SeqNo: 2474663	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R130518		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 130518		
Client ID: ZZZZZZ		Batch ID: R130518			Analysis Date: 12/22/2009			SeqNo: 2474664				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: 09120931-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 130518		
Client ID: P2-WW6DUP		Batch ID: R130518			Analysis Date: 12/22/2009			SeqNo: 2474669				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
------------------------	-----	---	--	--	--	--	--	---	---	----	--

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 130518		
Client ID: ZZZZZZ		Batch ID: R130518			Analysis Date: 12/22/2009			SeqNo: 2474671				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-CL G R

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-R130479	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 130479			
Client ID: ZZZZZZ	Batch ID: R130479				Analysis Date: 12/22/2009			SeqNo: 2473325			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab Chlorine, Total Residual	< 0.05	0.05									

Sample ID: LCS-R130479	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 130479		
Client ID: ZZZZZZ	Batch ID: R130479					Analysis Date: 12/22/2009				SeqNo: 2473326		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab Chlorine, Total Residual	1.32	0.25	1.410	0	93.6	80.1	115					

Sample ID: 09120931-002BMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 130479		
Client ID: P2-WW7MS		Batch ID: R130479			Analysis Date: 12/22/2009			SeqNo: 2473329				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab Chlorine, Total Residual	1.16	0.05	1.238	0	93.4	80	120					

Sample ID: 09120931-002BMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 130479		
Client ID: P2-WW7MSD		Batch ID: R130479					Analysis Date: 12/22/2009			SeqNo: 2473330	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab Chlorine, Total Residual	1.17	0.05	1.238	0	94.7	80	120	1.156	1.37	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: LCS-R130511		SampType: LCS			Units:		Prep Date:			RunNo: 130511		
Client ID: ZZZZZZ		Batch ID: R130511			Analysis Date: 12/22/2009			SeqNo: 2474205				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9
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Sample ID: LCS-R130511		SampType: LCS			Units:		Prep Date:			RunNo: 130511		
Client ID: ZZZZZZ		Batch ID: R130511					Analysis Date: 12/22/2009			SeqNo: 2474228		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9
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Sample ID: 09120931-002BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 130511		
Client ID: P2-WW7DUP		Batch ID: R130511				Analysis Date: 12/22/2009			SeqNo: 2474253		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.79	1.00						8.790	0	10
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Sample ID: LCS-R130511		SampType: LCS			Units:		Prep Date:			RunNo: 130511		
Client ID: ZZZZZZ		Batch ID: R130511					Analysis Date: 12/22/2009			SeqNo: 2474206		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	0	7.000	0	100	99.1	100.9
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Sample ID: LCS-R130511		SampType: LCS			Units:		Prep Date:			RunNo: 130511		
Client ID: ZZZZZZ		Batch ID: R130511			Analysis Date: 12/22/2009			SeqNo: 2474229				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	0	7.000	0	100.1	99.1	100.9
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: LCS-57515	SampType: LCS	Units: mg/L			Prep Date: 12/23/2009			RunNo: 130634			
Client ID: ZZZZZZ	Batch ID: 57515	SOP 2030			Analysis Date: 12/23/2009			SeqNo: 2478128			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	218	5	198.0	0	110.1	84.6	115.4				
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Sample ID: LCSQC-57515	SampType: LCSQC	Units: mg/L			Prep Date: 12/23/2009			RunNo: 130634			
Client ID: ZZZZZZ	Batch ID: 57515	SOP 2030			Analysis Date: 12/23/2009			SeqNo: 2478129			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	122	5	108.0	0	113.0	68.6	128.7				
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Sample ID: 09120931-002B-DUP	SampType: DUP	Units: mg/L			Prep Date: 12/23/2009			RunNo: 130634			
Client ID: P2-WW7DUP	Batch ID: 57515	SOP 2030			Analysis Date: 12/23/2009			SeqNo: 2478141			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	< 5	5						0	0	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-57459		SampType: MBLK		Units: mg/L		Prep Date: 12/22/2009		RunNo: 130566			
Client ID: ZZZZZZ		Batch ID: 57459		SOP 3034		Analysis Date: 12/24/2009		SeqNo: 2476378			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
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Sample ID: LCS-57459		SampType: LCS		Units: mg/L		Prep Date: 12/22/2009			RunNo: 130566		
Client ID: ZZZZZZ		Batch ID: 57459		SOP 3034		Analysis Date: 12/24/2009			SeqNo: 2476379		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	0.0494	0.0020	0.05000	0	98.8	85	115				
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Sample ID: MB-57459		SampType: MBLK		Units: mg/L		Prep Date: 12/22/2009			RunNo: 130583		
Client ID: ZZZZZZ		Batch ID: 57459		SOP 3034		Analysis Date: 12/24/2009			SeqNo: 2477318		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	0.0005	0.0020	0.002000	0	25.0	-100	100				J
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Sample ID: LCS-57459		SampType: LCS			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130583		
Client ID: ZZZZZZ		Batch ID: 57459			SOP 3034		Analysis Date: 12/24/2009			SeqNo: 2477319		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
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Sample ID: MB-57459		SampType: MBLK		Units: mg/L		Prep Date: 12/22/2009			RunNo: 130532		
Client ID: ZZZZZZ		Batch ID: 57459		SOP 3034		Analysis Date: 12/23/2009			SeqNo: 2475196		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-57459	SampType: MBLK	Units: mg/L				Prep Date: 12/22/2009				RunNo: 130532		
Client ID: ZZZZZZ	Batch ID: 57459	SOP 3034				Analysis Date: 12/23/2009				SeqNo: 2475196		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100					

Sample ID: LCS-57459		SampType: LCS		Units: mg/L		Prep Date: 12/22/2009		RunNo: 130532			
Client ID: ZZZZZZ		Batch ID: 57459		SOP 3034		Analysis Date: 12/23/2009		SeqNo: 2475198			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	103.8	85	115				
Barium	2.10	0.0050	2.000	0	104.8	85	115				
Cadmium	0.0517	0.0020	0.05000	0	103.4	85	115				
Chromium	0.207	0.0100	0.2000	0	103.4	85	115				
Selenium	2.05	0.0500	2.000	0	102.6	85	115				
Silver	0.0570	0.0100	0.05000	0	114.0	85	115				

Sample ID: 09120931-001CMS	SampType: MS	Units: mg/L				Prep Date: 12/22/2009			RunNo: 130532		
Client ID: P2-WW6MS	Batch ID: 57459	SOP 3034				Analysis Date: 12/23/2009			SeqNo: 2475595		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.6	75	125				
Barium	1.99	0.0050	2.000	0.07100	96.1	75	125				
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125				
Chromium	0.202	0.0100	0.2000	0.006700	97.6	75	125				
Selenium	2.04	0.0500	2.000	0	102.0	75	125				
Silver	0.0552	0.0100	0.05000	0.004100	102.2	75	125				

Sample ID: 09120931-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 12/22/2009			RunNo: 130532		
Client ID: P2-WW6MSD		Batch ID: 57459		SOP 3034		Analysis Date: 12/23/2009			SeqNo: 2475596		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.13	0.0250	2.000	0	106.5	75	125	2.053	3.68	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: 09120931-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 12/22/2009		RunNo: 130532		
Client ID: P2-WW6MSD		Batch ID: 57459			SOP 3034		Analysis Date: 12/23/2009		SeqNo: 2475596		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	2.06	0.0050	2.000	0.07100	99.6	75	125	1.993	3.45	20	
Cadmium	0.0501	0.0020	0.05000	0	100.2	75	125	0.04860	3.04	20	
Chromium	0.207	0.0100	0.2000	0.006700	100.1	75	125	0.2019	2.45	20	
Selenium	2.14	0.0500	2.000	0	106.9	75	125	2.041	4.64	20	
Silver	0.0551	0.0100	0.05000	0.004100	102.0	75	125	0.05520	0.181	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-57452		SampType: MBLK			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130524		
Client ID: ZZZZZZ		Batch ID: 57452			SOP 3044		Analysis Date: 12/23/2009			SeqNo: 2474894		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-57452		SampType: LCS			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130524		
Client ID: ZZZZZZ		Batch ID: 57452			SOP 3044		Analysis Date: 12/23/2009			SeqNo: 2474895		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0164	0.0020	0.01500	0	109.0	80	120				

Sample ID: 09120931-002CMS		SampType: MS			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130524		
Client ID: P2-WW7MS		Batch ID: 57452			SOP 3044		Analysis Date: 12/23/2009			SeqNo: 2474898		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0171	0.0020	0.01500	0.0004261	111.0	70	130				

Sample ID: 09120931-002CMSD		SampType: MSD			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130524		
Client ID: P2-WW7MSD		Batch ID: 57452			SOP 3044		Analysis Date: 12/23/2009			SeqNo: 2474899		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0170	0.0020	0.01500	0.0004261	110.3	70	130	0.01707	0.567	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-57466		SampType: MBLK			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130490		
Client ID: ZZZZZZ		Batch ID: 57466			SOP 3062		Analysis Date: 12/22/2009			SeqNo: 2473925		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-57466		SampType: LCS			Units: mg/L		Prep Date: 12/22/2009			RunNo: 130490		
Client ID: ZZZZZZ		Batch ID: 57466			SOP 3062		Analysis Date: 12/22/2009			SeqNo: 2473926		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00454	0.00020	0.005000	0	90.8	85	115				
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Sample ID: 09120931-001CMS		SampType: MS		Units: mg/L		Prep Date: 12/22/2009			RunNo: 130490		
Client ID: P2-WW6MS		Batch ID: 57466		SOP 3062		Analysis Date: 12/22/2009			SeqNo: 2473928		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00392	0.00020	0.005000	0	78.4	75	125				
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Sample ID: 09120931-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 12/22/2009		RunNo: 130490			
Client ID: P2-WW6MSD		Batch ID: 57466		SOP 3062		Analysis Date: 12/22/2009		SeqNo: 2473929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00405	0.00020	0.005000	0	81.0	75	125	0.003920	3.26	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: LCS-R091222-1	SampType: LCS	Units: µg/L				Prep Date: 12/22/2009			RunNo: 130540		
Client ID: ZZZZZZ	Batch ID: 57493	SW5030				Analysis Date: 12/22/2009			SeqNo: 2475515		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.3	2.0	50.00	0	98.5	82.7	117				
Ethylbenzene	47.5	5.0	50.00	0	95.0	83	113				
Toluene	48.5	5.0	50.00	0	97.1	79.6	116				
Xylenes, Total	146	5.0	150.0	0	97.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.0		50.00		101.9	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.6	86	119				
Surr: Dibromofluoromethane	48.7		50.00		97.4	81.7	123				
Surr: Toluene-d8	48.6		50.00		97.1	84.3	114				

Sample ID: LCSD-R091222-1	SampType: LCSD	Units: µg/L				Prep Date: 12/22/2009			RunNo: 130540		
Client ID: ZZZZZZ	Batch ID: 57493	SW5030				Analysis Date: 12/22/2009			SeqNo: 2475516		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.6	2.0	50.00	0	101.2	82.7	117	49.27	2.68	20	
Ethylbenzene	49.1	5.0	50.00	0	98.2	83	113	47.50	3.27	20	
Toluene	49.4	5.0	50.00	0	98.8	79.6	116	48.54	1.80	20	
Xylenes, Total	148	5.0	150.0	0	98.9	80.3	120	146.3	1.39	20	
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.8		50.00		103.6	86	119		0	0	
Surr: Dibromofluoromethane	48.7		50.00		97.4	81.7	123		0	0	
Surr: Toluene-d8	47.6		50.00		95.1	84.3	114		0	0	

Sample ID: MBLK-R091222-1	SampType: MBLK	Units: µg/L				Prep Date: 12/22/2009			RunNo: 130540		
Client ID: ZZZZZZ	Batch ID: 57493	SW5030				Analysis Date: 12/22/2009			SeqNo: 2475517		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MBLK-R091222-1	SampType: MBLK	Units: µg/L				Prep Date: 12/22/2009				RunNo: 130540		
Client ID: ZZZZZZ	Batch ID: 57493	SW5030				Analysis Date: 12/22/2009				SeqNo: 2475517		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	48.4		50.00		96.8	74.7	129				
Surr: 4-Bromofluorobenzene	52.4		50.00		104.8	86	119				
Surr: Dibromofluoromethane	47.9		50.00		95.7	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.3	84.3	114				

Sample ID: 09120931-002EMS		SampType: MS		Units: µg/L		Prep Date: 12/22/2009		RunNo: 130540			
Client ID: P2-WW7MS		Batch ID: 57493		SW5030		Analysis Date: 12/22/2009		SeqNo: 2475521			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	57.0	2.0	54.00	0	105.6	57.8	125				
Toluene	57.6	5.0	54.00	1.080	104.7	75.8	123				
Ethylbenzene	54.5	5.0	54.00	0	101.0	72.8	123				
Xylenes, Total	109	5.0	108.0	0	101.0	73	127				
Surr: 1,2-Dichloroethane-d4	49.1		50.00		98.2	74.7	129				
Surr: 4-Bromofluorobenzene	51.7		50.00		103.4	86	119				
Surr: Dibromofluoromethane	48.2		50.00		96.4	81.7	123				
Surr: Toluene-d8	48.5		50.00		97.0	84.3	114				

Sample ID: 09120931-002EMSD		SampType: MSD		Units: µg/L		Prep Date: 12/22/2009		RunNo: 130540			
Client ID: P2-WW7MSD		Batch ID: 57493		SW5030		Analysis Date: 12/22/2009		SeqNo: 2475522			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	58.5	2.0	54.00	0	108.3	57.8	125	57.00	2.58	20	
Toluene	57.0	5.0	54.00	1.080	103.5	75.8	123	57.60	1.13	20	
Ethylbenzene	54.7	5.0	54.00	0	101.4	72.8	123	54.53	0.384	20	
Xylenes, Total	108	5.0	108.0	0	100.4	73	127	109.1	0.625	20	
Surr: 1,2-Dichloroethane-d4	51.9		50.00		103.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.7		50.00		103.3	86	119		0	0	
Surr: Dibromofluoromethane	49.9		50.00		99.8	81.7	123		0	0	
Surr: Toluene-d8	47.8		50.00		95.6	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-57450	SampType: MBLK	Units: mg/L			Prep Date: 12/22/2009			RunNo: 130516			
Client ID: ZZZZZZ	Batch ID: 57450	SW3510C			Analysis Date: 12/22/2009			SeqNo: 2474472			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00367		0.005000		73.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00431		0.01000		43.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00361		0.005000		72.2	39.9	106				
Surr: Phenol-d5	0.00254		0.01000		25.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00417		0.005000		83.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: LCS-57450	SampType: LCS	Units: mg/L				Prep Date: 12/22/2009			RunNo: 130516		
Client ID: ZZZZZZ	Batch ID: 57450	SW3510C				Analysis Date: 12/22/2009			SeqNo: 2474473		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00416	0.00010	0.005000	0	83.2	50.1	103				
Acenaphthylene	0.00554	0.00010	0.005000	0	110.8	53.3	122				
Anthracene	0.00409	0.00010	0.005000	0	81.8	57.4	110				
Benzo(a)anthracene	0.00391	0.00010	0.005000	0	78.1	56	102				
Benzo(a)pyrene	0.00480	0.00010	0.005000	0	96.1	55.4	125				
Benzo(b)fluoranthene	0.00460	0.00010	0.005000	0	92.0	59.3	127				
Benzo(g,h,i)perylene	0.00500	0.00010	0.005000	0	99.9	58.4	125				
Benzo(k)fluoranthene	0.00469	0.00010	0.005000	0	93.7	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00482	0.00200	0.005000	0	96.5	63.2	152				
Chrysene	0.00484	0.00010	0.005000	0	96.9	58.7	118				
Dibenzo(a,h)anthracene	0.00492	0.00010	0.005000	0	98.3	59.3	126				
Diethyl phthalate	0.00496	0.00100	0.005000	0	99.2	55.3	133				
Dimethyl phthalate	0.00481	0.00100	0.005000	0	96.1	55.7	112				
Di-n-butyl phthalate	0.00423	0.00100	0.005000	0	84.6	61.5	130				
Fluoranthene	0.00430	0.00010	0.005000	0	86.1	60.1	117				
Fluorene	0.00451	0.00010	0.005000	0	90.1	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00492	0.00010	0.005000	0	98.4	58.1	123				
m,p-Cresol	0.00277	0.00010	0.005000	0	55.4	17.9	107				
Naphthalene	0.00369	0.00010	0.005000	0	73.9	36.3	97.1				
o-Cresol	0.00337	0.00010	0.005000	0	67.3	20.5	109				
Phenanthrene	0.00422	0.00010	0.005000	0	84.5	55.9	107				
Pyrene	0.00439	0.00010	0.005000	0	87.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.00377		0.005000		75.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00446		0.01000		44.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00398		0.005000		79.6	39.9	106				
Surr: Phenol-d5	0.00260		0.01000		26.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00441		0.005000		88.2	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: LCSD-57450	SampType: LCSD	Units: mg/L				Prep Date: 12/22/2009			RunNo: 130516		
Client ID: ZZZZZZ	Batch ID: 57450	SW3510C				Analysis Date: 12/22/2009			SeqNo: 2474474		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00413	0.00010	0.005000	0	82.6	50.1	103	0.004158	0.724	50	
Acenaphthylene	0.00550	0.00010	0.005000	0	110.1	53.3	122	0.005541	0.688	50	
Anthracene	0.00421	0.00010	0.005000	0	84.2	57.4	110	0.004091	2.84	50	
Benzo(a)anthracene	0.00385	0.00010	0.005000	0	76.9	56	102	0.003907	1.55	50	
Benzo(a)pyrene	0.00461	0.00010	0.005000	0	92.2	55.4	125	0.004803	4.08	50	
Benzo(b)fluoranthene	0.00444	0.00010	0.005000	0	88.8	59.3	127	0.004600	3.52	50	
Benzo(g,h,i)perylene	0.00483	0.00010	0.005000	0	96.5	58.4	125	0.004995	3.42	50	
Benzo(k)fluoranthene	0.00449	0.00010	0.005000	0	89.8	61.5	125	0.004686	4.32	50	
Bis(2-ethylhexyl)phthalate	0.00430	0.00200	0.005000	0	85.9	63.2	152	0.004823	11.6	50	
Chrysene	0.00479	0.00010	0.005000	0	95.7	58.7	118	0.004844	1.18	50	
Dibenzo(a,h)anthracene	0.00494	0.00010	0.005000	0	98.9	59.3	126	0.004917	0.548	50	
Diethyl phthalate	0.00446	0.00100	0.005000	0	89.3	55.3	133	0.004959	10.5	0	
Dimethyl phthalate	0.00453	0.00100	0.005000	0	90.6	55.7	112	0.004807	5.96	0	
Di-n-butyl phthalate	0.00430	0.00100	0.005000	0	86.0	61.5	130	0.004232	1.59	50	
Fluoranthene	0.00446	0.00010	0.005000	0	89.2	60.1	117	0.004303	3.58	50	
Fluorene	0.00440	0.00010	0.005000	0	87.9	54.1	110	0.004505	2.43	50	
Indeno(1,2,3-cd)pyrene	0.00489	0.00010	0.005000	0	97.7	58.1	123	0.004920	0.714	50	
m,p-Cresol	0.00257	0.00010	0.005000	0	51.5	17.9	107	0.002770	7.37	50	
Naphthalene	0.00363	0.00010	0.005000	0	72.6	36.3	97.1	0.003694	1.78	50	
o-Cresol	0.00310	0.00010	0.005000	0	61.9	20.5	109	0.003366	8.32	50	
Phenanthrene	0.00430	0.00010	0.005000	0	85.9	55.9	107	0.004223	1.74	50	
Pyrene	0.00450	0.00010	0.005000	0	90.0	61.4	116	0.004392	2.43	50	
Surr: 2-Fluorobiphenyl	0.00353		0.005000		70.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00427		0.01000		42.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00384		0.005000		76.8	39.9	106		0	50	
Surr: Phenol-d5	0.00253		0.01000		25.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00428		0.005000		85.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 09120931

Report Date: 29-Dec-09

Sample ID: MB-R130545		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 130545		
Client ID: ZZZZZZ		Batch ID: R130545			Analysis Date: 12/23/2009			SeqNo: 2475967				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R130545		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 130545		
Client ID: ZZZZZZ		Batch ID: R130545			Analysis Date: 12/23/2009			SeqNo: 2475968				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.111	0.007	0.1000	0	111.4	85	115				
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Sample ID: 09120931-002DMS		SampType: MS		Units: mg/L		Prep Date:		RunNo: 130637			
Client ID: P2-WW7MS		Batch ID: R130545				Analysis Date: 12/28/2009		SeqNo: 2478335			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.43	0.350	0.05000	1.489	-119.5	75	125				S
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Sample ID: 09120931-002DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 130637		
Client ID: P2-WW7MSD		Batch ID: R130545					Analysis Date: 12/28/2009			SeqNo: 2478336	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.52	0.350	0.05000	1.489	67.1	75	125	1.430	6.32	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 09120931

Report Date: 29-Dec-09

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

22-Dec-09

Marvin L. Darling

Reviewed by:

On:

22-Dec-09

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09572

[illegible]

GREEN to Sampler

PINK to QA/QC

CANARY to PM

WHITE to Lab

Distribution:
PE-179 (6/03)

Shaded Areas to be Completed by Lab

January 11, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10010164

Dear Pete Sazama:

TEKLAB, INC received 3 samples on 1/6/2010 4:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10010164

Report Date: 11-Jan-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10010164-001	31027-untreated-1/6/10	2	1/6/2010 10:50:00 AM
10010164-002	31027-dechlor #1-1/6/10	2	1/6/2010 11:20:00 AM
10010164-003	31027-dechlor #2-1/6/10	2	1/6/2010 11:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10010164

Report Date: 11-Jan-10

Cooler Receipt Temp: 0.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10010164**Lab ID:** 10010164-001**Report Date:** 11-Jan-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 31027-untreated-1/6/10**Collection Date:** 1/6/2010 10:50:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	5.00		26.2	mg/L	100	1/6/2010 5:45:00 PM	HMH
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	1/8/2010 11:53:53 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix spike did not recover within control limits due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS**Client:** PSC Industrial Outsourcing, LP**WorkOrder:** 10010164**Lab ID:** 10010164-002**Report Date:** 11-Jan-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 31027-dechlor #1-1/6/10**Collection Date:** 1/6/2010 11:20:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.25		3.80	mg/L	5	1/6/2010 5:45:00 PM	HMH
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350		1.22	mg/L	50	1/8/2010 11:53:53 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS**Client:** PSC Industrial Outsourcing, LP**WorkOrder:** 10010164**Lab ID:** 10010164-003**Report Date:** 11-Jan-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 31027-dechlor #2-1/6/10**Collection Date:** 1/6/2010 11:00:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.25		7.77	mg/L	5	1/6/2010 5:45:00 PM	HMH
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350		1.38	mg/L	50	1/8/2010 11:53:53 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10010164

Report Date: 11-Jan-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10010164-001A	31027-untreated-1/6/10	1/6/2010	Aqueous	Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		1/6/2010 5:45:00 PM
10010164-001B				SW-846 9012A (Total)		1/8/2010 11:53:53 AM
10010164-002A	31027-dechlor #1-1/6/10			Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		1/6/2010 5:45:00 PM
10010164-002B				SW-846 9012A (Total)		1/8/2010 11:53:53 AM
10010164-003A	31027-dechlor #2-1/6/10			Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		1/6/2010 5:45:00 PM
10010164-003B				SW-846 9012A (Total)		1/8/2010 11:53:53 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10010164

Report Date: 11-Jan-10

Sample ID: MB-R130988		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 130988		
Client ID: ZZZZZZ		Batch ID: R130988					Analysis Date: 1/8/2010			SeqNo: 2485734	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
---------	---------	-------	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R130988		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 130988		
Client ID: ZZZZZZ		Batch ID: R130988			Analysis Date: 1/8/2010			SeqNo: 2485735				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.109	0.007	0.1000	0	108.5	90	110				
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Sample ID: 10010164-001BMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 130988		
Client ID: 31027-untreated-1/6/		Batch ID: R130988				Analysis Date: 1/8/2010			SeqNo: 2486150		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007	0.05000	0	0	75	125				S
---------	---------	-------	---------	---	---	----	-----	--	--	--	---

Sample ID: 10010164-001BMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 130988		
Client ID: 31027-untreated-1/6/		Batch ID: R130988					Analysis Date: 1/8/2010			SeqNo: 2486151	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007	0.05000	0	0	75	125	0	0	15	S
---------	---------	-------	---------	---	---	----	-----	---	---	----	---

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_CL2R_M_AT_NF

Lab Order: 10010164

Report Date: 11-Jan-10

Sample ID: MB-R130881		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 130881		
Client ID: ZZZZZZ		Batch ID: R130881					Analysis Date: 1/6/2010			SeqNo: 2483767	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	< 0.05	0.05
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Sample ID: LCS-R130881		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 130881		
Client ID: ZZZZZZ		Batch ID: R130881			Analysis Date: 1/6/2010			SeqNo: 2483768				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	1.40	0.25	1.410	0	99.3	80.1	115
------------------------------	------	------	-------	---	------	------	-----

Sample ID: 10010164-001AMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 130881		
Client ID: 31027-untreated-1/6/		Batch ID: R130881					Analysis Date: 1/6/2010			SeqNo: 2484309	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	148	5.00	123.8	26.20	98.1	80	120
------------------------------	-----	------	-------	-------	------	----	-----

Sample ID: 10010164-001AMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 130881		
Client ID: 31027-untreated-1/6/		Batch ID: R130881					Analysis Date: 1/6/2010			SeqNo: 2484310	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	148	5.00	123.8	26.20	98.5	80	120	147.7	0.270	10
------------------------------	-----	------	-------	-------	------	----	-----	-------	-------	----

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10010164

Report Date: 11-Jan-10

Carrier: Jack Gardner

Received By: EAH

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

06-Jan-10

07-Jan-10

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 0.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

January 28, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10010890

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/27/2010 12:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10010890

Report Date: 28-Jan-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10010890-001	2169-Untreated-1-27-10	1	1/27/2010 7:50:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10010890

Report Date: 28-Jan-10

Cooler Receipt Temp: 1.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10010890

Lab ID: 10010890-001

Report Date: 28-Jan-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-Untreated-1-27-10

Collection Date: 1/27/2010 7:50:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350		0.732	mg/L	50	1/28/2010 11:25:57 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10010890

Report Date: 28-Jan-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10010890-001A	2169-Untreated-1-27-10	1/27/2010	Aqueous	SW-846 9012A (Total)		1/28/2010 11:25:57 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10010890

Report Date: 28-Jan-10

Sample ID: MB-R131639	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 131639			
Client ID: ZZZZZZ	Batch ID: R131639				Analysis Date: 1/28/2010			SeqNo: 2501711			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R131639	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 131639			
Client ID: ZZZZZZ	Batch ID: R131639				Analysis Date: 1/28/2010			SeqNo: 2501712			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.103	0.007	0.1000	0	103.2	90	110				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10010890

Report Date: 28-Jan-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

27-Jan-10

Marvin L. Darling

Reviewed by:

On:

27-Jan-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09579

10010690

Project Name: Ameren Campaign Project Mgr.: Pete Sazana

Project Number: 624-0908-0120 Cost Code: 5002

Sampler(s): J. Crumpton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth) 2169 - UNTREATED - 1-27-10 Date 1-27-10 Time 0750

Matrix

Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Total Number of Containers 1

Analyses by Method Name and Number

Total Cyanide

Comments (Field PID) 10010690-CC1

Lab ID #'s

Laboratory Temperature upon Receipt 11.0°C

VE

Spec. met 1/27/10

1 DAY

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: Pete Sazana and Leslie Hoarier

Send Invoice to:

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.	

Relinquished by:

Signature	Date	Time
<u>[Signature]</u>	<u>1-27-10</u>	<u>0900</u>
<u>[Signature]</u>	<u>1/27/10</u>	<u>1205</u>

Received by:

Signature	Date	Time
<u>[Signature]</u>	<u>1/27/10</u>	<u>0900</u>
<u>[Signature]</u>	<u>1/27/10</u>	<u>1205</u>

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

February 09, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10020127

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/2/2010 3:52:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020127

Report Date: 09-Feb-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10020127-001	4091-Treated-2-1-10	5	2/1/2010 2:55:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10020127

Report Date: 09-Feb-10

Cooler Receipt Temp: 1.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020127

Lab ID: 10020127-001

Report Date: 09-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-Treated-2-1-10

Collection Date: 2/1/2010 2:55:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.34		1	2/3/2010 3:37:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		17	mg/L	1	2/3/2010 8:00:00 PM	LDG
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		18	mg/L	1	2/3/2010 11:10:00 AM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	2/3/2010 11:12:31 AM	LAL
Barium	NELAP	0.0050		0.0269	mg/L	1	2/3/2010 11:12:31 AM	LAL
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	2/3/2010 11:12:31 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	2/3/2010 11:12:31 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	2/3/2010 11:12:31 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	2/3/2010 11:12:31 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	2/3/2010	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00012	mg/L	1	2/3/2010 3:06:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00295	mg/L	1	2/3/2010 3:06:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Fluoranthene	NELAP	0.00010		0.00015	mg/L	1	2/3/2010 3:06:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	2/3/2010 3:06:00 PM	MAV
Pyrene	NELAP	0.00010		0.00021	mg/L	1	2/3/2010 3:06:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00047	mg/L	1	2/3/2010 3:06:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020127

Lab ID: 10020127-001

Report Date: 09-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-Treated-2-1-10

Collection Date: 2/1/2010 2:55:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		65.6	%REC	1	2/3/2010 3:06:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		36.8	%REC	1	2/3/2010 3:06:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		65.2	%REC	1	2/3/2010 3:06:00 PM	MAV
Surr: Phenol-d5		11-42.8		24.5	%REC	1	2/3/2010 3:06:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		62.2	%REC	1	2/3/2010 3:06:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	2/2/2010 6:07:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	2/2/2010 6:07:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	2/2/2010 6:07:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	2/2/2010 6:07:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		87.5	%REC	1	2/2/2010 6:07:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		106.6	%REC	1	2/2/2010 6:07:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		104.1	%REC	1	2/2/2010 6:07:00 PM	CCF
Surr: Toluene-d8		84.3-114		95.9	%REC	1	2/2/2010 6:07:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	2/3/2010	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	2/4/2010 9:05:57 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	SR	0.956	mg/L	50	2/3/2010 9:55:53 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

RPD was outside of QC limit.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10020127-001A	4091-Treated-2-1-10	2/1/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/3/2010 10:28:10 AM	2/3/2010 1:14:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/3/2010 10:28:10 AM	2/3/2010 3:06:00 PM
10020127-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		2/3/2010 3:37:00 PM
				Standard Methods 18th Ed. 2540 D		2/3/2010 8:00:00 PM
				Standard Methods 18th Ed. 5210 B	2/3/2010 11:10:00 AM	2/3/2010 11:10:00 AM
10020127-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	2/2/2010 4:51:50 PM	2/3/2010 11:12:31 AM
				SW-846 3020A, Metals by GFAA (Total)	2/2/2010 5:00:00 PM	2/3/2010
				SW-846 7470A (Total)	2/2/2010 6:13:17 PM	2/3/2010
10020127-001D				SW-846 9012A		2/4/2010 9:05:57 AM
				SW-846 9012A (Total)		2/3/2010 9:55:53 AM
10020127-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		2/2/2010 6:07:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020127

Report Date: 09-Feb-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R131888		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 131888		
Client ID: ZZZZZZ		Batch ID: R131888					Analysis Date: 2/3/2010			SeqNo: 2509019	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R131888		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 131888		
Client ID: ZZZZZZ		Batch ID: R131888			Analysis Date: 2/3/2010			SeqNo: 2509020				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Sample ID: 10020127-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 131888		
Client ID: 4091-Treated-2-1-10		Batch ID: R131888					Analysis Date: 2/3/2010			SeqNo: 2509022	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	18	6						17.00	5.71	15	
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Sample ID: MB-R131888		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 131888		
Client ID: ZZZZZZ		Batch ID: R131888			Analysis Date: 2/3/2010			SeqNo: 2509064				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 131888		
Client ID: ZZZZZZ		Batch ID: R131888			Analysis Date: 2/3/2010			SeqNo: 2509065				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	86	6	100.0	0	86.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCS-R131843		SampType: LCS			Units:		Prep Date:		RunNo: 131843		
Client ID: ZZZZZZ		Batch ID: R131843					Analysis Date: 2/3/2010		SeqNo: 2507470		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.04	1.00	7.000	0	100.6	99.1	100.9				
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Sample ID: 10020127-001BDUP		SampType: DUP			Units:		Prep Date:		RunNo: 131843		
Client ID: 4091-Treated-2-1-10		Batch ID: R131843					Analysis Date: 2/3/2010		SeqNo: 2507472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.34	1.00						8.340	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCS-58259	SampType: LCS	Units: mg/L			Prep Date: 2/3/2010			RunNo: 131993			
Client ID: ZZZZZZ	Batch ID: 58259	SOP 2030			Analysis Date: 2/3/2010			SeqNo: 2512634			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	183	5	198.0	0	92.6	84.6	115.4				
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Sample ID: LCSQC-58259	SampType: LCSQC	Units: mg/L			Prep Date: 2/3/2010			RunNo: 131993			
Client ID: ZZZZZZ	Batch ID: 58259	SOP 2030			Analysis Date: 2/3/2010			SeqNo: 2512635			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	102	5	108.0	0	94.4	68.6	128.7				
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Sample ID: 10020127-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 2/3/2010			RunNo: 131993			
Client ID: 4091-Treated-2-1-10	Batch ID: 58259	SOP 2030			Analysis Date: 2/3/2010			SeqNo: 2512638			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	18	5						18.09	0.0553	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: MB-58172	SampType: MBLK	Units: mg/L			Prep Date: 2/2/2010			RunNo: 131804			
Client ID: ZZZZZZ	Batch ID: 58172	SOP 3034			Analysis Date: 2/3/2010			SeqNo: 2506961			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0004	0.0020	0.002000	0	20.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58172	SampType: LCS	Units: mg/L			Prep Date: 2/2/2010			RunNo: 131804			
Client ID: ZZZZZZ	Batch ID: 58172	SOP 3034			Analysis Date: 2/3/2010			SeqNo: 2506962			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.5	85	115				
Barium	1.91	0.0050	2.000	0	95.4	85	115				
Cadmium	0.0512	0.0020	0.05000	0	102.4	85	115				
Chromium	0.200	0.0100	0.2000	0	100.2	85	115				
Selenium	2.07	0.0500	2.000	0	103.4	85	115				
Silver	0.0514	0.0100	0.05000	0	102.8	85	115				

Sample ID: 10020127-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/2/2010			RunNo: 131804		
Client ID: 4091-Treated-2-1-10		Batch ID: 58172		SOP 3034		Analysis Date: 2/3/2010			SeqNo: 2506964		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.0	75	125				
Barium	1.80	0.0050	2.000	0.02690	88.9	75	125				
Cadmium	0.0474	0.0020	0.05000	0.0004000	94.0	75	125				
Chromium	0.194	0.0100	0.2000	0	97.0	75	125				
Selenium	1.93	0.0500	2.000	0	96.6	75	125				
Silver	0.0514	0.0100	0.05000	0	102.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: 10020127-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/2/2010		RunNo: 131804			
Client ID: 4091-Treated-2-1-10		Batch ID: 58172		SOP 3034		Analysis Date: 2/3/2010		SeqNo: 2506969			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.6	75	125	2.041	0.489	20	
Barium	1.79	0.0050	2.000	0.02690	88.1	75	125	1.805	0.946	20	
Cadmium	0.0476	0.0020	0.05000	0.0004000	94.4	75	125	0.04740	0.421	20	
Chromium	0.191	0.0100	0.2000	0	95.6	75	125	0.1940	1.45	20	
Selenium	2.06	0.0500	2.000	0	103.0	75	125	1.931	6.42	20	
Silver	0.0513	0.0100	0.05000	0	102.6	75	125	0.05140	0.195	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: MB-58169		SampType: MBLK		Units: mg/L		Prep Date: 2/2/2010			RunNo: 131829		
Client ID: ZZZZZZ		Batch ID: 58169		SOP 3044		Analysis Date: 2/3/2010			SeqNo: 2507235		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-58169		SampType: LCS			Units: mg/L		Prep Date: 2/2/2010			RunNo: 131829		
Client ID: ZZZZZZ		Batch ID: 58169			SOP 3044		Analysis Date: 2/3/2010			SeqNo: 2507236		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0156	0.0020	0.01500	0	104.1	80	120			
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Sample ID: 10020127-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/2/2010			RunNo: 131829		
Client ID: 4091-Treated-2-1-10		Batch ID: 58169		SOP 3044		Analysis Date: 2/3/2010			SeqNo: 2507246		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0155	0.0020	0.01500	0.0006176	99.2	70	130			
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Sample ID: 10020127-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/2/2010			RunNo: 131829		
Client ID: 4091-Treated-2-1-10		Batch ID: 58169		SOP 3044		Analysis Date: 2/3/2010			SeqNo: 2507247		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0146	0.0040	0.01500	0.0006176	93.1	70	130	0.01549	6.06	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: MB-58175	SampType: MBLK	Units: mg/L				Prep Date: 2/2/2010			RunNo: 131833		
Client ID: ZZZZZZ	Batch ID: 58175	SOP 3062				Analysis Date: 2/3/2010			SeqNo: 2507332		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58175	SampType: LCS	Units: mg/L				Prep Date: 2/2/2010			RunNo: 131833		
Client ID: ZZZZZZ	Batch ID: 58175	SOP 3062				Analysis Date: 2/3/2010			SeqNo: 2507333		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00514	0.00020	0.005000	0	102.8	85	115				

Sample ID: MB-58175	SampType: MBLK	Units: mg/L				Prep Date: 2/2/2010			RunNo: 131833		
Client ID: ZZZZZZ	Batch ID: 58175	SOP 3062				Analysis Date: 2/3/2010			SeqNo: 2507334		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58175	SampType: LCS	Units: mg/L				Prep Date: 2/2/2010			RunNo: 131833		
Client ID: ZZZZZZ	Batch ID: 58175	SOP 3062				Analysis Date: 2/3/2010			SeqNo: 2507335		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00514	0.00020	0.005000	0	102.8	85	115				

Sample ID: 10020127-001CMS	SampType: MS	Units: mg/L				Prep Date: 2/2/2010			RunNo: 131833		
Client ID: 4091-Treated-2-1-10	Batch ID: 58175	SOP 3062				Analysis Date: 2/3/2010			SeqNo: 2507337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00494	0.00020	0.005000	0	98.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: 10020127-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/2/2010		RunNo: 131833			
Client ID: 4091-Treated-2-1-10		Batch ID: 58175		SOP 3062		Analysis Date: 2/3/2010		SeqNo: 2507338			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00495	0.00020	0.005000	0	99.0	75	125	0.004940	0.202	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: 10020127-001EMS	SampType: MS	Units: µg/L				Prep Date: 2/2/2010			RunNo: 131822		
Client ID: 4091-Treated-2-1-10	Batch ID: 58189	SW5030				Analysis Date: 2/2/2010			SeqNo: 2507027		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.8	2.0	48.00	0	99.7	57.8	125				
Toluene	51.5	5.0	48.00	0	107.3	75.8	123				
Ethylbenzene	54.0	5.0	48.00	0	112.5	72.8	123				
Xylenes, Total	107	5.0	96.00	0	111.5	73	127				
Surr: 1,2-Dichloroethane-d4	46.2		50.00		92.4	74.7	129				
Surr: 4-Bromofluorobenzene	53.6		50.00		107.1	86	119				
Surr: Dibromofluoromethane	52.2		50.00		104.5	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.3	84.3	114				

Sample ID: 10020127-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 2/2/2010			RunNo: 131822		
Client ID: 4091-Treated-2-1-10	Batch ID: 58189	SW5030				Analysis Date: 2/2/2010			SeqNo: 2507028		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.9	2.0	48.00	0	99.9	57.8	125	47.84	0.188	20	
Toluene	51.1	5.0	48.00	0	106.4	75.8	123	51.51	0.858	20	
Ethylbenzene	54.6	5.0	48.00	0	113.8	72.8	123	54.00	1.10	20	
Xylenes, Total	107	5.0	96.00	0	111.1	73	127	107.0	0.337	20	
Surr: 1,2-Dichloroethane-d4	47.3		50.00		94.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	54.2		50.00		108.5	86	119		0	0	
Surr: Dibromofluoromethane	51.2		50.00		102.5	81.7	123		0	0	
Surr: Toluene-d8	48.0		50.00		95.9	84.3	114		0	0	

Sample ID: LCS-N100202-1	SampType: LCS	Units: µg/L				Prep Date: 2/2/2010			RunNo: 131822		
Client ID: ZZZZZZ	Batch ID: 58189	SW5030				Analysis Date: 2/2/2010			SeqNo: 2507019		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.8	2.0	50.00	0	93.5	77.9	123				
Ethylbenzene	46.9	2.0	50.00	0	93.7	80.9	119				
Toluene	44.2	2.0	50.00	0	88.5	80.2	115				
Xylenes, Total	143	5.0	150.0	0	95.1	77.6	124				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCS-N100202-1	SampType: LCS	Units: µg/L			Prep Date: 2/2/2010			RunNo: 131822			
Client ID: ZZZZZZ	Batch ID: 58189	SW5030			Analysis Date: 2/2/2010			SeqNo: 2507019			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.9	61	128				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.5	78.2	117				
Surr: Dibromofluoromethane	51.6		50.00		103.2	66.6	130				
Surr: Toluene-d8	46.4		50.00		92.8	80.1	122				

Sample ID: LCSD-N100202-1	SampType: LCSD	Units: µg/L			Prep Date: 2/2/2010			RunNo: 131822			
Client ID: ZZZZZZ	Batch ID: 58189	SW5030			Analysis Date: 2/2/2010			SeqNo: 2507020			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.8	2.0	50.00	0	95.7	77.9	123	46.76	2.28	20	
Ethylbenzene	49.6	2.0	50.00	0	99.1	80.9	119	46.87	5.56	20	
Toluene	47.8	2.0	50.00	0	95.6	80.2	115	44.24	7.76	20	
Xylenes, Total	149	5.0	150.0	0	99.4	77.6	124	142.7	4.39	20	
Surr: 1,2-Dichloroethane-d4	43.2		50.00		86.5	61	128		0	0	
Surr: 4-Bromofluorobenzene	51.7		50.00		103.4	78.2	117		0	0	
Surr: Dibromofluoromethane	51.2		50.00		102.4	66.6	130		0	0	
Surr: Toluene-d8	46.8		50.00		93.7	80.1	122		0	0	

Sample ID: LCSG-N100202-1	SampType: LCSG	Units: %REC			Prep Date: 2/2/2010			RunNo: 131822			
Client ID: ZZZZZZ	Batch ID: 58189	SW5030			Analysis Date: 2/2/2010			SeqNo: 2507022			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	42.9		50.00		85.8	61	128				
Surr: 4-Bromofluorobenzene	53.3		50.00		106.6	78.2	117				
Surr: Dibromofluoromethane	50.1		50.00		100.1	66.6	130				
Surr: Toluene-d8	47.2		50.00		94.5	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCSGD-N100202-1	SampType: LCSGD	Units: %REC			Prep Date: 2/2/2010			RunNo: 131822			
Client ID: ZZZZZZ	Batch ID: 58189	SW5030			Analysis Date: 2/2/2010			SeqNo: 2507023			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.8		50.00		87.7	61	128		0	0	
Surr: 4-Bromofluorobenzene	52.4		50.00		104.9	78.2	117		0	0	
Surr: Dibromofluoromethane	50.7		50.00		101.4	66.6	130		0	0	
Surr: Toluene-d8	47.5		50.00		95.0	80.1	122		0	0	

Sample ID: MBLK-N100202-1	SampType: MBLK	Units: µg/L			Prep Date: 2/2/2010			RunNo: 131822			
Client ID: ZZZZZZ	Batch ID: 58189	SW5030			Analysis Date: 2/2/2010			SeqNo: 2507025			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	2.0									
Toluene	ND	2.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.4		50.00		94.8	61	128				
Surr: 4-Bromofluorobenzene	54.1		50.00		108.1	78.2	117				
Surr: Dibromofluoromethane	51.1		50.00		102.3	66.6	130				
Surr: Toluene-d8	47.7		50.00		95.5	80.1	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: MB-58176		SampType: MBLK		Units: mg/L		Prep Date: 2/2/2010			RunNo: 131811		
Client ID: ZZZZZZ		Batch ID: 58176		SW3510C		Analysis Date: 2/3/2010			SeqNo: 2506840		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00343		0.005000		68.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00440		0.01000		44.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00382		0.005000		76.4	39.9	106				
Surr: Phenol-d5	0.00324		0.01000		32.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00431		0.005000		86.2	53	116				

Sample ID: LCS-58176		SampType: LCS		Units: mg/L		Prep Date: 2/2/2010			RunNo: 131811		
Client ID: ZZZZZZ		Batch ID: 58176		SW3510C		Analysis Date: 2/3/2010			SeqNo: 2506841		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00408	0.00010	0.005000	0	81.6	50.1	103				
Anthracene	0.00474	0.00010	0.005000	0	94.8	57.4	110				
Bis(2-ethylhexyl)phthalate	0.00500	0.00200	0.005000	0	100.1	63.2	152				
Diethyl phthalate	0.00366	0.00100	0.005000	0	73.2	55.3	133				
Dimethyl phthalate	0.00486	0.00100	0.005000	0	97.1	55.7	112				
Di-n-butyl phthalate	0.00491	0.00100	0.005000	0	98.2	61.5	130				
Fluoranthene	0.00479	0.00010	0.005000	0	95.7	60.1	117				
Fluorene	0.00460	0.00010	0.005000	0	92.0	54.1	110				
Naphthalene	0.00393	0.00010	0.005000	0	78.6	36.3	97.1				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCS-58176		SampType: LCS		Units: mg/L		Prep Date: 2/2/2010		RunNo: 131811			
Client ID: ZZZZZZ		Batch ID: 58176		SW3510C		Analysis Date: 2/3/2010		SeqNo: 2506841			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0.00458	0.00010	0.005000	0	91.5	55.9	107				
Pyrene	0.00476	0.00010	0.005000	0	95.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00368		0.005000		73.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00472		0.01000		47.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00381		0.005000		76.2	39.9	106				
Surr: Phenol-d5	0.00342		0.01000		34.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00402		0.005000		80.4	53	116				

Sample ID: LCSD-58176		SampType: LCSD		Units: mg/L		Prep Date: 2/2/2010		RunNo: 131811			
Client ID: ZZZZZZ		Batch ID: 58176		SW3510C		Analysis Date: 2/3/2010		SeqNo: 2506842			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00429	0.00010	0.005000	0	85.7	50.1	103	0.004079	4.97	40	
Anthracene	0.00500	0.00010	0.005000	0	100	57.4	110	0.004741	5.28	40	
Bis(2-ethylhexyl)phthalate	0.00499	0.00200	0.005000	0	99.9	63.2	152	0.005005	0.240	40	
Diethyl phthalate	0.00390	0.00100	0.005000	0	78.0	55.3	133	0.003658	6.46	0	
Dimethyl phthalate	0.00468	0.00100	0.005000	0	93.6	55.7	112	0.004856	3.71	0	
Di-n-butyl phthalate	0.00478	0.00100	0.005000	0	95.6	61.5	130	0.004911	2.72	40	
Fluoranthene	0.00501	0.00010	0.005000	0	100.1	60.1	117	0.004786	4.51	40	
Fluorene	0.00478	0.00010	0.005000	0	95.6	54.1	110	0.004602	3.77	40	
Naphthalene	0.00402	0.00010	0.005000	0	80.5	36.3	97.1	0.003931	2.31	40	
Phenanthrene	0.00471	0.00010	0.005000	0	94.3	55.9	107	0.004575	2.99	40	
Pyrene	0.00494	0.00010	0.005000	0	98.8	61.4	116	0.004758	3.79	40	
Surr: 2-Fluorobiphenyl	0.00344		0.005000		68.8	41.9	97.9		0	40	
Surr: 2-Fluorophenol	0.00481		0.01000		48.1	16.1	79.2		0	40	
Surr: Nitrobenzene-d5	0.00344		0.005000		68.8	39.9	106		0	40	
Surr: Phenol-d5	0.00332		0.01000		33.2	9.94	53.7		0	40	
Surr: p-Terphenyl-d14	0.00402		0.005000		80.4	53	116		0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: MB-58176	SampType: MBLK	Units: mg/L			Prep Date: 2/2/2010			RunNo: 131807			
Client ID: ZZZZZZ	Batch ID: 58176	SW3510C			Analysis Date: 2/3/2010			SeqNo: 2506770			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00286		0.005000		57.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00384		0.01000		38.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00298		0.005000		59.6	39.9	106				
Surr: Phenol-d5	0.00272		0.01000		27.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00332		0.005000		66.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCS-58176	SampType: LCS	Units: mg/L			Prep Date: 2/2/2010			RunNo: 131807			
Client ID: ZZZZZZ	Batch ID: 58176	SW3510C			Analysis Date: 2/3/2010			SeqNo: 2506771			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00397	0.00010	0.005000	0	79.4	50.1	103				
Acenaphthylene	0.00370	0.00010	0.005000	0	74.0	53.3	122				
Anthracene	0.00427	0.00010	0.005000	0	85.3	57.4	110				
Benzo(a)anthracene	0.00403	0.00010	0.005000	0	80.7	56	102				
Benzo(a)pyrene	0.00451	0.00010	0.005000	0	90.1	55.4	125				
Benzo(b)fluoranthene	0.00465	0.00010	0.005000	0	93.0	59.3	127				
Benzo(g,h,i)perylene	0.00451	0.00010	0.005000	0	90.1	58.4	125				
Benzo(k)fluoranthene	0.00450	0.00010	0.005000	0	90.1	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00547	0.00200	0.005000	0	109.3	63.2	152				
Chrysene	0.00441	0.00010	0.005000	0	88.2	58.7	118				
Dibenzo(a,h)anthracene	0.00437	0.00010	0.005000	0	87.4	59.3	126				
Diethyl phthalate	0.00450	0.00100	0.005000	0	90.0	55.3	133				
Dimethyl phthalate	0.00472	0.00100	0.005000	0	94.3	55.7	112				
Di-n-butyl phthalate	0.00480	0.00100	0.005000	0	95.9	61.5	130				
Fluoranthene	0.00430	0.00010	0.005000	0	85.9	60.1	117				
Fluorene	0.00413	0.00010	0.005000	0	82.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00442	0.00010	0.005000	0	88.4	58.1	123				
m,p-Cresol	0.00359	0.00010	0.005000	0	71.9	17.9	107				
Naphthalene	0.00366	0.00010	0.005000	0	73.2	36.3	97.1				
o-Cresol	0.00377	0.00010	0.005000	0	75.3	20.5	109				
Phenanthrene	0.00425	0.00010	0.005000	0	85.1	55.9	107				
Pyrene	0.00436	0.00010	0.005000	0	87.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00344		0.005000		68.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00503		0.01000		50.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00330		0.005000		66.0	39.9	106				
Surr: Phenol-d5	0.00325		0.01000		32.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00360		0.005000		72.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: LCSD-58176		SampType: LCSD		Units: mg/L		Prep Date: 2/2/2010		RunNo: 131807			
Client ID: ZZZZZZ		Batch ID: 58176		SW3510C		Analysis Date: 2/3/2010		SeqNo: 2507353			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00388	0.00010	0.005000	0	77.7	50.1	103	0.003968	2.11	50	
Acenaphthylene	0.00380	0.00010	0.005000	0	76.0	53.3	122	0.003701	2.59	50	
Anthracene	0.00413	0.00010	0.005000	0	82.5	57.4	110	0.004266	3.31	50	
Benzo(a)anthracene	0.00382	0.00010	0.005000	0	76.5	56	102	0.004033	5.35	50	
Benzo(a)pyrene	0.00424	0.00010	0.005000	0	84.8	55.4	125	0.004506	6.13	50	
Benzo(b)fluoranthene	0.00426	0.00010	0.005000	0	85.3	59.3	127	0.004652	8.73	50	
Benzo(g,h,i)perylene	0.00419	0.00010	0.005000	0	83.7	58.4	125	0.004505	7.34	50	
Benzo(k)fluoranthene	0.00428	0.00010	0.005000	0	85.6	61.5	125	0.004504	5.12	50	
Bis(2-ethylhexyl)phthalate	0.00515	0.00200	0.005000	0	103.0	63.2	152	0.005467	5.99	50	
Chrysene	0.00411	0.00010	0.005000	0	82.3	58.7	118	0.004408	6.90	50	
Dibenzo(a,h)anthracene	0.00418	0.00010	0.005000	0	83.5	59.3	126	0.004372	4.61	50	
Diethyl phthalate	0.00435	0.00100	0.005000	0	86.9	55.3	133	0.004501	3.48	40	
Dimethyl phthalate	0.00435	0.00100	0.005000	0	87.0	55.7	112	0.004715	8.05	40	
Di-n-butyl phthalate	0.00455	0.00100	0.005000	0	91.0	61.5	130	0.004795	5.29	50	
Fluoranthene	0.00412	0.00010	0.005000	0	82.5	60.1	117	0.004297	4.11	50	
Fluorene	0.00403	0.00010	0.005000	0	80.7	54.1	110	0.004131	2.38	50	
Indeno(1,2,3-cd)pyrene	0.00421	0.00010	0.005000	0	84.2	58.1	123	0.004418	4.80	50	
m,p-Cresol	0.00321	0.00010	0.005000	0	64.2	17.9	107	0.003594	11.3	50	
Naphthalene	0.00341	0.00010	0.005000	0	68.2	36.3	97.1	0.003658	6.96	50	
o-Cresol	0.00346	0.00010	0.005000	0	69.3	20.5	109	0.003767	8.41	50	
Phenanthrene	0.00401	0.00010	0.005000	0	80.2	55.9	107	0.004254	5.95	50	
Pyrene	0.00412	0.00010	0.005000	0	82.4	61.4	116	0.004362	5.71	50	
Surr: 2-Fluorobiphenyl	0.00314		0.005000		62.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00439		0.01000		43.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00304		0.005000		60.8	39.9	106		0	50	
Surr: Phenol-d5	0.00286		0.01000		28.6	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00346		0.005000		69.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: MB-R131883		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 131883		
Client ID: ZZZZZZ		Batch ID: R131883						Analysis Date: 2/4/2010			SeqNo: 2508884	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R131883		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 131883		
Client ID: ZZZZZZ		Batch ID: R131883			Analysis Date: 2/4/2010			SeqNo: 2508885				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.104 0.007 0.1000 0 104.1 85 115

Sample ID: MB-R131837	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 131837			
Client ID: ZZZZZZ	Batch ID: R131837				Analysis Date: 2/3/2010			SeqNo: 2507442			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide < 0.007 0.007

Sample ID: LCS-R131837		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 131837		
Client ID: ZZZZZZ		Batch ID: R131837			Analysis Date: 2/3/2010			SeqNo: 2507443				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.106 0.007 0.1000 0 105.6 90 110

Sample ID: 10020127-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 131837		
Client ID: 4091-Treated-2-1-10		Batch ID: R131837						Analysis Date: 2/3/2010			SeqNo: 2507447	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 1.38 0.350 2.500 0.9557 17.0 75 125 S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10020127

Report Date: 09-Feb-10

Sample ID: 10020127-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 131837		
Client ID: 4091-Treated-2-1-10		Batch ID: R131837					Analysis Date: 2/3/2010			SeqNo: 2507448	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.12	0.350	2.500	0.9557	6.7	75	125	1.381	20.7	15	SR

Sample ID: MB-R131837		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 131837		
Client ID: ZZZZZZ		Batch ID: R131837			Analysis Date: 2/3/2010			SeqNo: 2508573				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R131837	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 131837			
Client ID: ZZZZZZ	Batch ID: R131837				Analysis Date: 2/3/2010			SeqNo: 2508574			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.105	0.007	0.1000	0	104.7	90	110				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020127

Report Date: 09-Feb-10

Carrier: Pete Sazama

Received By: DB

Completed by:

On:

02-Feb-10

Dawn Brantley

Reviewed by:

On:

02-Feb-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09583

10070127

[illegible]

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid (NaOH)
☐ Cyanide	Sodium hydroxide
☐ Other (Specify)	

Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: <u>PETE SAZAMA AND LESLIE HOOVER</u>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

Shipping:	
Carrier / Airbill No.	

Relinquished by:	
Signature	Date
	2/2/10

Received by:	
Signature	Date
	2/2/10

Distribution: WHITE to Lab
CANARY to PM
PINK to QA/QC
GREEN to Sampler

Shaded Areas to be Completed by Lab

February 17, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10020488

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/10/2010 5:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020488

Report Date: 17-Feb-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10020488-001	4091-treated-2/9/10	5	2/9/2010 10:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10020488

Report Date: 17-Feb-10

Cooler Receipt Temp: 0.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020488

Lab ID: 10020488-001

Report Date: 17-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-2/9/10

Collection Date: 2/9/2010 10:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.53		1	2/11/2010 1:40:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		9	mg/L	1	2/10/2010 6:15:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		154	mg/L	1	2/10/2010 6:45:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		0.0323	mg/L	1	2/11/2010 11:00:18 AM	LAL
Barium	NELAP	0.0050		0.0297	mg/L	1	2/11/2010 11:00:18 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	2/11/2010 11:00:18 AM	LAL
Chromium	NELAP	0.0100	J	0.0056	mg/L	1	2/11/2010 11:00:18 AM	LAL
Selenium	NELAP	0.0500	J	0.029	mg/L	1	2/11/2010 11:00:18 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	2/11/2010 11:00:18 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	2/11/2010 1:15:00 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00023	mg/L	1	2/11/2010 10:27:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00012	mg/L	1	2/11/2010 10:27:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	2/11/2010 10:27:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020488

Lab ID: 10020488-001

Report Date: 17-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-2/9/10

Collection Date: 2/9/2010 10:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		58.8	%REC	1	2/11/2010 10:27:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		36.5	%REC	1	2/11/2010 10:27:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		70.0	%REC	1	2/11/2010 10:27:00 AM	MAV
Surr: Phenol-d5		11-42.8		23.0	%REC	1	2/11/2010 10:27:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		71.0	%REC	1	2/11/2010 10:27:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.7	µg/L	1	2/11/2010 1:01:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	2/11/2010 1:01:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	2/11/2010 1:01:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	2/11/2010 1:01:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		101.6	%REC	1	2/11/2010 1:01:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		104.5	%REC	1	2/11/2010 1:01:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		106.4	%REC	1	2/11/2010 1:01:00 AM	CCF
Surr: Toluene-d8		84.3-114		92.5	%REC	1	2/11/2010 1:01:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	2/11/2010	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500	J	0.30	mg/L	50	2/11/2010 8:50:58 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	11.3	mg/L	50	2/11/2010 8:50:58 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 7470A (Total)

Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6249080120**Lab Order:** 10020488**Report Date:** 17-Feb-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10020488-001A	4091-treated-2/9/10	2/9/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/11/2010 8:00:00 AM	2/11/2010 10:27:00 AM
10020488-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		2/11/2010 1:40:00 PM
				Standard Methods 18th Ed. 2540 D		2/10/2010 6:15:00 PM
				Standard Methods 18th Ed. 5210 B	2/10/2010 6:45:00 PM	2/10/2010 6:45:00 PM
10020488-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	2/10/2010 6:13:27 PM	2/11/2010 11:00:18 AM
				SW-846 3020A, Metals by GFAA (Total)	2/10/2010 6:16:02 PM	2/11/2010 1:15:00 PM
				SW-846 7470A (Total)	2/10/2010 6:54:56 PM	2/11/2010
				SW-846 7470A (Total)	2/10/2010 6:54:56 PM	2/11/2010
10020488-001D				SW-846 9012A		2/11/2010 8:50:58 AM
				SW-846 9012A (Total)		2/11/2010 8:50:58 AM
10020488-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		2/11/2010 1:01:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MB-R132146		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 132146		
Client ID: ZZZZZZ		Batch ID: R132146					Analysis Date: 2/10/2010			SeqNo: 2517764	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R132146		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132146		
Client ID: ZZZZZZ		Batch ID: R132146			Analysis Date: 2/10/2010			SeqNo: 2517765				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 132146		
Client ID: ZZZZZZ		Batch ID: R132146			Analysis Date: 2/10/2010			SeqNo: 2517837				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 132146		
Client ID: ZZZZZZ		Batch ID: R132146			Analysis Date: 2/10/2010			SeqNo: 2517845				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: LCS-R132146		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132146		
Client ID: ZZZZZZ		Batch ID: R132146			Analysis Date: 2/10/2010			SeqNo: 2517846				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	103	6	100.0	0	103.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCSQC		SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 132146			
Client ID: ZZZZZZ		Batch ID: R132146				Analysis Date: 2/10/2010		SeqNo: 2517875			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90	6	100.0	0	90.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCS-R132152		SampType: LCS			Units:		Prep Date:			RunNo: 132152		
Client ID: ZZZZZZ		Batch ID: R132152			Analysis Date: 2/11/2010			SeqNo: 2518091				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.98	1.00	7.000	0	99.7	99.1	100.9				
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Sample ID: 10020488-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 132152		
Client ID: 4091-treated-2/9/10D		Batch ID: R132152				Analysis Date: 2/11/2010			SeqNo: 2518172		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.54	1.00						9.530	0.105	10	
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Sample ID: LCS-R132152		SampType: LCS			Units:		Prep Date:			RunNo: 132152		
Client ID: ZZZZZZ		Batch ID: R132152			Analysis Date: 2/11/2010			SeqNo: 2518090				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.98	0	7.000	0	99.7	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCS-58408		SampType: LCS			Units: mg/L		Prep Date: 2/10/2010		RunNo: 132283		
Client ID: ZZZZZZ		Batch ID: 58408			SOP 2030		Analysis Date: 2/10/2010		SeqNo: 2521421		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	188	5	198.0	0	94.9	84.6	115.4				

Sample ID: LCSQC-58408		SampType: LCSQC			Units: mg/L		Prep Date: 2/10/2010		RunNo: 132283		
Client ID: ZZZZZZ		Batch ID: 58408			SOP 2030		Analysis Date: 2/10/2010		SeqNo: 2521422		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	116	5	108.0	0	107.4	68.6	128.7				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MB-58391	SampType: MBLK	Units: mg/L			Prep Date: 2/10/2010			RunNo: 132128			
Client ID: ZZZZZZ	Batch ID: 58391	SOP 3034			Analysis Date: 2/11/2010			SeqNo: 2517617			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58391	SampType: LCS	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132128		
Client ID: ZZZZZZ	Batch ID: 58391	SOP 3034				Analysis Date: 2/11/2010			SeqNo: 2517621		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.02	0.0250	2.000	0	100.8	85	115				
Barium	1.89	0.0050	2.000	0	94.4	85	115				
Cadmium	0.0494	0.0020	0.05000	0	98.8	85	115				
Chromium	0.197	0.0100	0.2000	0	98.6	85	115				
Selenium	2.06	0.0500	2.000	0	103.2	85	115				
Silver	0.0548	0.0100	0.05000	0	109.6	85	115				

Sample ID: 10020488-001CMS	SampType: MS	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132128		
Client ID: 4091-treated-2/9/10	Batch ID: 58391	SOP 3034				Analysis Date: 2/11/2010			SeqNo: 2517625		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0.03230	100.6	75	125				
Barium	1.76	0.0050	2.000	0.02970	86.5	75	125				
Cadmium	0.0457	0.0020	0.05000	0	91.4	75	125				
Chromium	0.194	0.0100	0.2000	0.005600	94.1	75	125				
Selenium	1.97	0.0500	2.000	0.02870	97.0	75	125				
Silver	0.0532	0.0100	0.05000	0	106.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: 10020488-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 2/10/2010		RunNo: 132128		
Client ID: 4091-treated-2/9/10		Batch ID: 58391			SOP 3034		Analysis Date: 2/11/2010		SeqNo: 2517626		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.13	0.0250	2.000	0.03230	104.9	75	125	2.044	4.17	20	
Barium	1.82	0.0050	2.000	0.02970	89.8	75	125	1.759	3.68	20	
Cadmium	0.0476	0.0020	0.05000	0	95.2	75	125	0.04570	4.07	20	
Chromium	0.200	0.0100	0.2000	0.005600	97.2	75	125	0.1938	3.15	20	
Selenium	2.09	0.0500	2.000	0.02870	102.9	75	125	1.968	5.82	20	
Silver	0.0523	0.0100	0.05000	0	104.6	75	125	0.05320	1.71	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MB-58392		SampType: MBLK		Units: mg/L		Prep Date: 2/10/2010			RunNo: 132150		
Client ID: ZZZZZZ		Batch ID: 58392		SOP 3044		Analysis Date: 2/11/2010			SeqNo: 2518057		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: 10020488-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/10/2010			RunNo: 132150		
Client ID: 4091-treated-2/9/10		Batch ID: 58392		SOP 3044		Analysis Date: 2/11/2010			SeqNo: 2518061		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0132	0.0020	0.01500	0	88.3	70	130	0.01436	8.08	20
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Sample ID: 10020488-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/10/2010			RunNo: 132150		
Client ID: 4091-treated-2/9/10		Batch ID: 58392		SOP 3044		Analysis Date: 2/11/2010			SeqNo: 2518064		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0144	0.0020	0.01500	0	95.7	70	130			
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Sample ID: LCS-58392		SampType: LCS			Units: mg/L		Prep Date: 2/10/2010			RunNo: 132150		
Client ID: ZZZZZZ		Batch ID: 58392			SOP 3044		Analysis Date: 2/11/2010			SeqNo: 2518066		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0150	0.0040	0.01500	0	100.1	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MB-58393	SampType: MBLK	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132155		
Client ID: ZZZZZZ	Batch ID: 58393	SOP 3062				Analysis Date: 2/11/2010			SeqNo: 2518178		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58393	SampType: LCS	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132155		
Client ID: ZZZZZZ	Batch ID: 58393	SOP 3062				Analysis Date: 2/11/2010			SeqNo: 2518179		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00520	0.00020	0.005000	0	104.0	85	115				

Sample ID: 10020488-001CMS	SampType: MS	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132155		
Client ID: 4091-treated-2/9/10	Batch ID: 58393	SOP 3062				Analysis Date: 2/11/2010			SeqNo: 2518186		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00335	0.00020	0.005000	0	67.0	75	125				S

Sample ID: 10020488-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132155		
Client ID: 4091-treated-2/9/10	Batch ID: 58393	SOP 3062				Analysis Date: 2/11/2010			SeqNo: 2518187		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00340	0.00020	0.005000	0	68.0	75	125	0.003350	1.48	15	S

Sample ID: MB-58393	SampType: MBLK	Units: µg/L				Prep Date: 2/10/2010			RunNo: 132155		
Client ID: ZZZZZZ	Batch ID: 58393	SOP 3062				Analysis Date: 2/11/2010			SeqNo: 2518183		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCS-58393	SampType: LCS	Units: µg/L			Prep Date: 2/10/2010	RunNo: 132155					
Client ID: ZZZZZZ	Batch ID: 58393	SOP 3062			Analysis Date: 2/11/2010	SeqNo: 2518184					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.20	0.20	5.000	0	104.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCS-T100210-1		SampType: LCS		Units: µg/L		Prep Date: 2/10/2010		RunNo: 132139			
Client ID: ZZZZZZ		Batch ID: 58417		SW5030		Analysis Date: 2/10/2010		SeqNo: 2517590			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.3	2.0	50.00	0	96.6	82.7	117				
Ethylbenzene	47.8	5.0	50.00	0	95.6	83	113				
Toluene	46.7	5.0	50.00	0	93.5	79.6	116				
Xylenes, Total	141	5.0	150.0	0	94.3	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.5	74.7	129				
Surr: 4-Bromofluorobenzene	49.6		50.00		99.3	86	119				
Surr: Dibromofluoromethane	50.9		50.00		101.7	81.7	123				
Surr: Toluene-d8	47.3		50.00		94.6	84.3	114				

Sample ID: LCSD-T100210-1		SampType: LCSD		Units: µg/L		Prep Date: 2/10/2010		RunNo: 132139			
Client ID: ZZZZZZ		Batch ID: 58417		SW5030		Analysis Date: 2/10/2010		SeqNo: 2517591			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.8	2.0	50.00	0	103.6	82.7	117	48.30	6.97	20	
Ethylbenzene	46.8	5.0	50.00	0	93.6	83	113	47.79	2.07	20	
Toluene	47.6	5.0	50.00	0	95.2	79.6	116	46.73	1.84	20	
Xylenes, Total	143	5.0	150.0	0	95.2	80.3	120	141.5	0.894	20	
Surr: 1,2-Dichloroethane-d4	53.7		50.00		107.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.7		50.00		99.4	86	119		0	0	
Surr: Dibromofluoromethane	54.3		50.00		108.6	81.7	123		0	0	
Surr: Toluene-d8	47.8		50.00		95.5	84.3	114		0	0	

Sample ID: MBLK-T100210-1		SampType: MBLK		Units: µg/L		Prep Date: 2/10/2010		RunNo: 132139			
Client ID: ZZZZZZ		Batch ID: 58417		SW5030		Analysis Date: 2/10/2010		SeqNo: 2517592			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MBLK-T100210-1		SampType: MBLK		Units: µg/L		Prep Date: 2/10/2010			RunNo: 132139		
Client ID: ZZZZZZ		Batch ID: 58417		SW5030		Analysis Date: 2/10/2010			SeqNo: 2517592		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	49.9		50.00		99.8	74.7	129				
Surr: 4-Bromofluorobenzene	52.5		50.00		104.9	86	119				
Surr: Dibromofluoromethane	52.0		50.00		104.0	81.7	123				
Surr: Toluene-d8	46.1		50.00		92.2	84.3	114				

Sample ID: 10020488-001EMS		SampType: MS		Units: µg/L		Prep Date: 2/10/2010		RunNo: 132139			
Client ID: 4091-treated-2/9/10		Batch ID: 58417		SW5030		Analysis Date: 2/11/2010		SeqNo: 2517606			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	61.2	2.0	56.00	0.7000	108.0	57.8	125				
Toluene	59.0	5.0	56.00	0	105.4	75.8	123				
Ethylbenzene	61.0	5.0	56.00	0	109.0	72.8	123				
Xylenes, Total	123	5.0	112.0	0	109.4	73	127				
Surr: 1,2-Dichloroethane-d4	51.9		50.00		103.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.6		50.00		101.2	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.1	81.7	123				
Surr: Toluene-d8	46.4		50.00		92.8	84.3	114				

Sample ID: 10020488-001EMSD	SampType: MSD	Units: µg/L			Prep Date: 2/10/2010			RunNo: 132139			
Client ID: 4091-treated-2/9/10	Batch ID: 58417	SW5030			Analysis Date: 2/11/2010			SeqNo: 2517607			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	61.0	2.0	56.00	0.7000	107.6	57.8	125	61.19	0.377	20	
Toluene	58.0	5.0	56.00	0	103.6	75.8	123	59.00	1.64	20	
Ethylbenzene	62.2	5.0	56.00	0	111.0	72.8	123	61.02	1.88	20	
Xylenes, Total	121	5.0	112.0	0	107.9	73	127	122.6	1.41	20	
Surr: 1,2-Dichloroethane-d4	51.0		50.00		102.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.4		50.00		104.8	86	119		0	0	
Surr: Dibromofluoromethane	51.4		50.00		102.8	81.7	123		0	0	
Surr: Toluene-d8	45.2		50.00		90.4	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MB-58394	SampType: MBLK	Units: mg/L	Prep Date: 2/10/2010	RunNo: 132119							
Client ID: ZZZZZZ	Batch ID: 58394	SW3510C	Analysis Date: 2/11/2010	SeqNo: 2517395							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00313		0.005000		62.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00452		0.01000		45.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00365		0.005000		73.0	39.9	106				
Surr: Phenol-d5	0.00271		0.01000		27.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00362		0.005000		72.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCS-58394	SampType: LCS	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132119		
Client ID: ZZZZZZ	Batch ID: 58394	SW3510C				Analysis Date: 2/11/2010			SeqNo: 2517396		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00460	0.00010	0.005000	0	92.0	50.1	103				
Acenaphthylene	0.00430	0.00010	0.005000	0	86.0	53.3	122				
Anthracene	0.00453	0.00010	0.005000	0	90.6	57.4	110				
Benzo(a)anthracene	0.00442	0.00010	0.005000	0	88.4	56	102				
Benzo(a)pyrene	0.00498	0.00010	0.005000	0	99.7	55.4	125				
Benzo(b)fluoranthene	0.00491	0.00010	0.005000	0	98.2	59.3	127				
Benzo(g,h,i)perylene	0.00476	0.00010	0.005000	0	95.2	58.4	125				
Benzo(k)fluoranthene	0.00508	0.00010	0.005000	0	101.6	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00514	0.00200	0.005000	0	102.8	63.2	152				
Chrysene	0.00482	0.00010	0.005000	0	96.5	58.7	118				
Dibenzo(a,h)anthracene	0.00496	0.00010	0.005000	0	99.2	59.3	126				
Diethyl phthalate	0.00510	0.00100	0.005000	0	102.1	55.3	133				
Dimethyl phthalate	0.00475	0.00100	0.005000	0	94.9	55.7	112				
Di-n-butyl phthalate	0.00476	0.00100	0.005000	0	95.3	61.5	130				
Fluoranthene	0.00461	0.00010	0.005000	0	92.3	60.1	117				
Fluorene	0.00487	0.00010	0.005000	0	97.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00485	0.00010	0.005000	0	96.9	58.1	123				
m,p-Cresol	0.00334	0.00010	0.005000	0	66.7	17.9	107				
Naphthalene	0.00399	0.00010	0.005000	0	79.7	36.3	97.1				
o-Cresol	0.00374	0.00010	0.005000	0	74.8	20.5	109				
Phenanthrene	0.00465	0.00010	0.005000	0	93.0	55.9	107				
Pyrene	0.00477	0.00010	0.005000	0	95.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00315		0.005000		63.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00402		0.01000		40.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00348		0.005000		69.6	39.9	106				
Surr: Phenol-d5	0.00275		0.01000		27.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00358		0.005000		71.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: LCSD-58394	SampType: LCSD	Units: mg/L				Prep Date: 2/10/2010			RunNo: 132119		
Client ID: ZZZZZZ	Batch ID: 58394	SW3510C				Analysis Date: 2/11/2010			SeqNo: 2517397		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00436	0.00010	0.005000	0	87.2	50.1	103	0.004601	5.38	50	
Acenaphthylene	0.00401	0.00010	0.005000	0	80.2	53.3	122	0.004298	6.98	50	
Anthracene	0.00432	0.00010	0.005000	0	86.4	57.4	110	0.004531	4.79	50	
Benzo(a)anthracene	0.00432	0.00010	0.005000	0	86.5	56	102	0.004422	2.26	50	
Benzo(a)pyrene	0.00469	0.00010	0.005000	0	93.8	55.4	125	0.004984	6.04	50	
Benzo(b)fluoranthene	0.00478	0.00010	0.005000	0	95.5	59.3	127	0.004912	2.83	50	
Benzo(g,h,i)perylene	0.00463	0.00010	0.005000	0	92.6	58.4	125	0.004758	2.73	50	
Benzo(k)fluoranthene	0.00478	0.00010	0.005000	0	95.7	61.5	125	0.005079	5.98	50	
Bis(2-ethylhexyl)phthalate	0.00517	0.00200	0.005000	0	103.3	63.2	152	0.005141	0.504	50	
Chrysene	0.00476	0.00010	0.005000	0	95.3	58.7	118	0.004824	1.23	50	
Dibenzo(a,h)anthracene	0.00477	0.00010	0.005000	0	95.4	59.3	126	0.004961	3.90	50	
Diethyl phthalate	0.00434	0.00100	0.005000	0	86.7	55.3	133	0.005103	16.3	40	
Dimethyl phthalate	0.00452	0.00100	0.005000	0	90.3	55.7	112	0.004746	4.99	40	
Di-n-butyl phthalate	0.00451	0.00100	0.005000	0	90.1	61.5	130	0.004764	5.57	50	
Fluoranthene	0.00450	0.00010	0.005000	0	90.0	60.1	117	0.004614	2.46	50	
Fluorene	0.00474	0.00010	0.005000	0	94.9	54.1	110	0.004871	2.64	50	
Indeno(1,2,3-cd)pyrene	0.00471	0.00010	0.005000	0	94.1	58.1	123	0.004845	2.89	50	
m,p-Cresol	0.00329	0.00010	0.005000	0	65.9	17.9	107	0.003337	1.33	50	
Naphthalene	0.00382	0.00010	0.005000	0	76.4	36.3	97.1	0.003987	4.28	50	
o-Cresol	0.00354	0.00010	0.005000	0	70.8	20.5	109	0.003742	5.58	50	
Phenanthrene	0.00461	0.00010	0.005000	0	92.1	55.9	107	0.004649	0.908	50	
Pyrene	0.00457	0.00010	0.005000	0	91.4	61.4	116	0.004771	4.35	50	
Surr: 2-Fluorobiphenyl	0.00328		0.005000		65.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00408		0.01000		40.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00337		0.005000		67.4	39.9	106		0	50	
Surr: Phenol-d5	0.00264		0.01000		26.4	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00353		0.005000		70.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10020488

Report Date: 17-Feb-10

Sample ID: MB-R132148		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 132148		
Client ID: ZZZZZZ		Batch ID: R132148			Analysis Date: 2/11/2010			SeqNo: 2518029				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: 10020488-001DMS		SampType: MS		Units: mg/L		Prep Date:		RunNo: 132148			
Client ID: 4091-treated-2/9/10		Batch ID: R132148				Analysis Date: 2/11/2010		SeqNo: 2518031			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	10.8	0.350	0.05000	11.30	-943.1	75	125				S
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Sample ID: 10020488-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 132148		
Client ID: 4091-treated-2/9/10		Batch ID: R132148		Analysis Date: 2/11/2010						SeqNo: 2518032	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	11.4	0.350	0.05000	11.30	257.1	75	125	10.83	5.39	15	S
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Sample ID: LCS-R132148		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132148		
Client ID: ZZZZZZ		Batch ID: R132148			Analysis Date: 2/11/2010			SeqNo: 2518036				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.102	0.007	0.1000	0	101.6	90	110				
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020488

Report Date: 17-Feb-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

10-Feb-10

Elizabeth A. Hurley

Elizabeth A. Hurley

Reviewed by:

On:

11-Feb-10

Heather A. White

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 0.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

February 24, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10020710

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/17/2010 3:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020710

Report Date: 24-Feb-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10020710-001	26785-treated-2/17/10	6	2/17/2010 10:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10020710

Report Date: 24-Feb-10

Cooler Receipt Temp: 1.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020710

Lab ID: 10020710-001

Report Date: 24-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-treated-2/17/10

Collection Date: 2/17/2010 10:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		11.6		1	2/18/2010 10:58:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	2/17/2010 10:30:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		91	mg/L	1	2/18/2010 4:35:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	2/18/2010 11:42:54 AM	LAL
Barium	NELAP	0.0050		0.128	mg/L	1	2/18/2010 11:42:54 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	2/18/2010 11:42:54 AM	LAL
Chromium	NELAP	0.0100	J	0.0090	mg/L	1	2/18/2010 11:42:54 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	2/18/2010 11:42:54 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	2/18/2010 11:42:54 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	S	< 0.0020	mg/L	1	2/18/2010 2:39:20 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00209	J	0.0017	mg/L	1	2/18/2010 5:11:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Diethyl phthalate	NELAP	0.00105	J	0.00096	mg/L	1	2/18/2010 5:11:00 PM	MAV
Dimethyl phthalate	NELAP	0.00105		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00105		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00018	mg/L	1	2/18/2010 5:11:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV
Total PNAs except Naphthalene		0.00014		ND	mg/L	1	2/18/2010 5:11:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10020710**Lab ID:** 10020710-001**Report Date:** 24-Feb-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 26785-treated-2/17/10**Collection Date:** 2/17/2010 10:20:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		73.8	%REC	1	2/18/2010 5:11:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		39.2	%REC	1	2/18/2010 5:11:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		73.3	%REC	1	2/18/2010 5:11:00 PM	MAV
Surr: Phenol-d5		11-42.8		24.7	%REC	1	2/18/2010 5:11:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		80.0	%REC	1	2/18/2010 5:11:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.8	µg/L	1	2/17/2010 7:16:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	2/17/2010 7:16:00 PM	TAL
Toluene	NELAP	5.0	J	1.3	µg/L	1	2/17/2010 7:16:00 PM	TAL
Xylenes, Total	NELAP	5.0	J	1.3	µg/L	1	2/17/2010 7:16:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.2	%REC	1	2/17/2010 7:16:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		105.8	%REC	1	2/17/2010 7:16:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		105.3	%REC	1	2/17/2010 7:16:00 PM	TAL
Surr: Toluene-d8		84.3-114		99.4	%REC	1	2/17/2010 7:16:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	2/18/2010	ALU
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	2/19/2010 12:35:43 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	1.50	mg/L	50	2/19/2010 12:35:43 PM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Standard Methods 18th Ed. 5210 B

Insufficient sample amount to analyze duplicate.

SW-846 3020A, Metals by GFAA (Total)

Pb- Matrix interference present in sample.

SW-846 7470A (Total)

Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6249080120**Lab Order:** 10020710**Report Date:** 24-Feb-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10020710-001A	26785-treated-2/17/10	2/17/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/17/2010 5:34:23 PM	2/18/2010 5:11:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/17/2010 5:34:23 PM	2/18/2010 5:46:00 PM
10020710-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		2/18/2010 10:58:00 AM
				Standard Methods 18th Ed. 2540 D		2/17/2010 10:30:00 PM
				Standard Methods 18th Ed. 5210 B	2/18/2010 4:35:00 PM	2/18/2010 4:35:00 PM
10020710-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	2/17/2010 4:34:06 PM	2/18/2010 11:42:54 AM
				SW-846 3020A, Metals by GFAA (Total)	2/17/2010 4:32:44 PM	2/18/2010 2:39:20 PM
				SW-846 7470A (Total)	2/17/2010 5:30:00 PM	2/18/2010
10020710-001D				SW-846 9012A		2/19/2010 12:35:43 PM
10020710-001E				SW-846 9012A (Total)		2/19/2010 12:35:43 PM
10020710-001F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		2/17/2010 7:16:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-R132378		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 132378		
Client ID: ZZZZZZ		Batch ID: R132378						Analysis Date: 2/17/2010			SeqNo: 2523712	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R132378		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132378		
Client ID: ZZZZZZ		Batch ID: R132378			Analysis Date: 2/17/2010			SeqNo: 2523713				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: 10020710-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 132378		
Client ID: 26785-treated-2/17/1		Batch ID: R132378				Analysis Date: 2/17/2010			SeqNo: 2524513		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 132378		
Client ID: ZZZZZZ		Batch ID: R132378			Analysis Date: 2/17/2010			SeqNo: 2524514				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCS-R132399		SampType: LCS			Units:		Prep Date:			RunNo: 132399		
Client ID: ZZZZZZ		Batch ID: R132399			Analysis Date: 2/18/2010			SeqNo: 2524494				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10020710-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 132399		
Client ID: 26785-treated-2/17/1		Batch ID: R132399				Analysis Date: 2/18/2010			SeqNo: 2524497		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	11.6	1.00						11.57	0.173	10	
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Sample ID: LCS-R132399		SampType: LCS			Units:		Prep Date:			RunNo: 132399		
Client ID: ZZZZZZ		Batch ID: R132399			Analysis Date: 2/18/2010			SeqNo: 2524493				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	0	7.000	0	100.1	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCS-58614	SampType: LCS	Units: mg/L			Prep Date: 2/18/2010			RunNo: 132560			
Client ID: ZZZZZZ	Batch ID: 58614	SOP 2030			Analysis Date: 2/18/2010			SeqNo: 2528580			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	204	5	198.0	0	103.0	84.6	115.4				
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Sample ID: LCSQC-58614	SampType: LCSQC	Units: mg/L			Prep Date: 2/18/2010			RunNo: 132560			
Client ID: ZZZZZZ	Batch ID: 58614	SOP 2030			Analysis Date: 2/18/2010			SeqNo: 2528581			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	115	5	108.0	0	106.5	68.6	128.7				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-58547	SampType: MBLK	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132406			
Client ID: ZZZZZZ	Batch ID: 58547	SOP 3034			Analysis Date: 2/18/2010			SeqNo: 2524698			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58547	SampType: LCS	Units: mg/L				Prep Date: 2/17/2010			RunNo: 132406		
Client ID: ZZZZZZ	Batch ID: 58547	SOP 3034				Analysis Date: 2/18/2010			SeqNo: 2524699		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.2	85	115				
Barium	1.94	0.0050	2.000	0	97.0	85	115				
Cadmium	0.0503	0.0020	0.05000	0	100.6	85	115				
Chromium	0.205	0.0100	0.2000	0	102.4	85	115				
Selenium	2.06	0.0500	2.000	0	102.8	85	115				
Silver	0.0523	0.0100	0.05000	0	104.6	85	115				

Sample ID: 10020710-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/17/2010			RunNo: 132406		
Client ID: 26785-treated-2/17/1		Batch ID: 58547		SOP 3034		Analysis Date: 2/18/2010			SeqNo: 2524701		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.0	75	125				
Barium	1.89	0.0050	2.000	0.1284	88.3	75	125				
Cadmium	0.0465	0.0020	0.05000	0	93.0	75	125				
Chromium	0.199	0.0100	0.2000	0.009000	95.0	75	125				
Selenium	2.04	0.0500	2.000	0	102.0	75	125				
Silver	0.0526	0.0100	0.05000	0	105.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: 10020710-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/17/2010		RunNo: 132406			
Client ID: 26785-treated-2/17/1		Batch ID: 58547		SOP 3034		Analysis Date: 2/18/2010		SeqNo: 2524702			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	104.2	75	125	2.041	2.13	20	
Barium	1.92	0.0050	2.000	0.1284	89.8	75	125	1.894	1.62	20	
Cadmium	0.0472	0.0020	0.05000	0	94.4	75	125	0.04650	1.49	20	
Chromium	0.201	0.0100	0.2000	0.009000	96.1	75	125	0.1989	1.15	20	
Selenium	2.07	0.0500	2.000	0	103.6	75	125	2.041	1.56	20	
Silver	0.0519	0.0100	0.05000	0	103.8	75	125	0.05260	1.34	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-58545		SampType: MBLK		Units: mg/L		Prep Date: 2/17/2010			RunNo: 132417			
Client ID: ZZZZZZ		Batch ID: 58545		SOP 3044		Analysis Date: 2/18/2010			SeqNo: 2524943			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0016	0.0020	0.002000	0	78.7	-100	100				J

Sample ID: LCS-58545		SampType: LCS		Units: mg/L		Prep Date: 2/17/2010			RunNo: 132417			
Client ID: ZZZZZZ		Batch ID: 58545		SOP 3044		Analysis Date: 2/18/2010			SeqNo: 2524944			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0122	0.0020	0.01500	0	81.2	80	120				

Sample ID: 10020710-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/17/2010			RunNo: 132417			
Client ID: 26785-treated-2/17/1		Batch ID: 58545		SOP 3044		Analysis Date: 2/18/2010			SeqNo: 2524946			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0104	0.0020	0.01500	0	69.4	70	130				S

Sample ID: 10020710-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/17/2010			RunNo: 132417			
Client ID: 26785-treated-2/17/1		Batch ID: 58545		SOP 3044		Analysis Date: 2/18/2010			SeqNo: 2524947			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0095	0.0020	0.01500	0	63.7	70	130	0.01041	8.62	20	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-58550	SampType: MBLK			Units: mg/L		Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550			SOP 3062		Analysis Date: 2/18/2010			SeqNo: 2524911		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58550	SampType: LCS			Units: mg/L		Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550			SOP 3062		Analysis Date: 2/18/2010			SeqNo: 2524912		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00521	0.00020	0.005000	0	104.2	85	115				

Sample ID: MB-58550	SampType: MBLK			Units: mg/L		Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550			SOP 3062		Analysis Date: 2/18/2010			SeqNo: 2524908		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58550	SampType: LCS			Units: mg/L		Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550			SOP 3062		Analysis Date: 2/18/2010			SeqNo: 2524909		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00521	0.00020	0.005000	0	104.2	85	115				

Sample ID: MB-58550	SampType: MBLK			Units: mg/L		Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550			SOP 3062		Analysis Date: 2/18/2010			SeqNo: 2524906		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCS-58550	SampType: LCS	Units: mg/L				Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550	SOP 3062				Analysis Date: 2/18/2010			SeqNo: 2524907		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00521	0.00020	0.005000	0	104.2	85	115				

Sample ID: MB-58550	SampType: MBLK	Units: mg/L				Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550	SOP 3062				Analysis Date: 2/18/2010			SeqNo: 2524904		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58550	SampType: LCS	Units: mg/L				Prep Date: 2/17/2010			RunNo: 132416		
Client ID: ZZZZZZ	Batch ID: 58550	SOP 3062				Analysis Date: 2/18/2010			SeqNo: 2524905		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00521	0.00020	0.005000	0	104.2	85	115				

Sample ID: 10020710-001CMS	SampType: MS	Units: mg/L				Prep Date: 2/17/2010			RunNo: 132416		
Client ID: 26785-treated-2/17/1	Batch ID: 58550	SOP 3062				Analysis Date: 2/18/2010			SeqNo: 2524914		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00110	0.00020	0.005000	0	22.0	75	125				S

Sample ID: 10020710-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 2/17/2010			RunNo: 132416		
Client ID: 26785-treated-2/17/1	Batch ID: 58550	SOP 3062				Analysis Date: 2/18/2010			SeqNo: 2524915		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00110	0.00020	0.005000	0	22.0	75	125	0.001100	0	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCS-T100217-1	SampType: LCS	Units: µg/L			Prep Date: 2/17/2010			RunNo: 132396			
Client ID: ZZZZZZ	Batch ID: 58559	SW5030			Analysis Date: 2/17/2010			SeqNo: 2524452			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.0	2.0	50.00	0	94.1	82.7	117				
Ethylbenzene	49.8	5.0	50.00	0	99.5	83	113				
Toluene	48.3	5.0	50.00	0	96.6	79.6	116				
Xylenes, Total	150	5.0	150.0	0	100.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.3		50.00		102.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119				
Surr: Dibromofluoromethane	52.0		50.00		103.9	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.2	84.3	114				

Sample ID: LCSD-T100217-1	SampType: LCSD	Units: µg/L			Prep Date: 2/17/2010			RunNo: 132396			
Client ID: ZZZZZZ	Batch ID: 58559	SW5030			Analysis Date: 2/17/2010			SeqNo: 2524453			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.5	2.0	50.00	0	91.0	82.7	117	47.05	3.31	20	
Ethylbenzene	48.1	5.0	50.00	0	96.2	83	113	49.76	3.41	20	
Toluene	46.7	5.0	50.00	0	93.4	79.6	116	48.31	3.43	20	
Xylenes, Total	145	5.0	150.0	0	96.7	80.3	120	150.3	3.61	20	
Surr: 1,2-Dichloroethane-d4	51.4		50.00		102.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.2		50.00		100.5	86	119		0	0	
Surr: Dibromofluoromethane	52.5		50.00		105.1	81.7	123		0	0	
Surr: Toluene-d8	50.0		50.00		100	84.3	114		0	0	

Sample ID: MBLK-T100217-1	SampType: MBLK	Units: µg/L			Prep Date: 2/17/2010			RunNo: 132396			
Client ID: ZZZZZZ	Batch ID: 58559	SW5030			Analysis Date: 2/17/2010			SeqNo: 2524455			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MBLK-T100217-1		SampType: MBLK		Units: µg/L		Prep Date: 2/17/2010				RunNo: 132396		
Client ID: ZZZZZZ		Batch ID: 58559		SW5030		Analysis Date: 2/17/2010				SeqNo: 2524455		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.4	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.7	86	119				
Surr: Dibromofluoromethane	50.8		50.00		101.7	81.7	123				
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114				

Sample ID: 10020710-001FMS		SampType: MS		Units: µg/L		Prep Date: 2/17/2010			RunNo: 132396		
Client ID: 26785-treated-2/17/1		Batch ID: 58559		SW5030		Analysis Date: 2/17/2010			SeqNo: 2524462		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	55.7	2.0	56.00	0.7800	98.1	57.8	125				
Toluene	63.4	5.0	56.00	1.270	111.0	75.8	123				
Ethylbenzene	68.5	5.0	56.00	0	122.3	72.8	123				
Xylenes, Total	139	5.0	112.0	1.340	123.0	73	127				
Surr: 1,2-Dichloroethane-d4	53.1		50.00		106.3	74.7	129				
Surr: 4-Bromofluorobenzene	52.8		50.00		105.6	86	119				
Surr: Dibromofluoromethane	52.7		50.00		105.5	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: 10020710-001FMSD		SampType: MSD		Units: µg/L		Prep Date: 2/17/2010			RunNo: 132396		
Client ID: 26785-treated-2/17/1		Batch ID: 58559		SW5030		Analysis Date: 2/17/2010			SeqNo: 2524463		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	50.3	2.0	56.00	0.7800	88.5	57.8	125	55.71	10.1	20	
Toluene	59.8	5.0	56.00	1.270	104.6	75.8	123	63.45	5.87	20	
Ethylbenzene	64.1	5.0	56.00	0	114.5	72.8	123	68.49	6.61	20	
Xylenes, Total	128	5.0	112.0	1.340	113.5	73	127	139.1	7.96	20	
Surr: 1,2-Dichloroethane-d4	51.3		50.00		102.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.6		50.00		105.2	86	119		0	0	
Surr: Dibromofluoromethane	49.9		50.00		99.7	81.7	123		0	0	
Surr: Toluene-d8	48.5		50.00		97.0	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-58548	SampType: MBLK	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132431			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525350			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00366		0.005000		73.2	41.9	97.9				
Surr: Nitrobenzene-d5	0.00450		0.005000		90.0	39.9	106				
Surr: p-Terphenyl-d14	0.00481		0.005000		96.2	53	116				

Sample ID: LCS-58548	SampType: LCS	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132431			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525351			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00423	0.00010	0.005000	0	84.7	50.1	103				
Anthracene	0.00483	0.00010	0.005000	0	96.6	57.4	110				
Bis(2-ethylhexyl)phthalate	0.00493	0.00200	0.005000	0	98.7	63.2	152				
Diethyl phthalate	0.00437	0.00100	0.005000	0	87.4	55.3	133				
Dimethyl phthalate	0.00480	0.00100	0.005000	0	96.1	55.7	112				
Di-n-butyl phthalate	0.00501	0.00100	0.005000	0	100.2	61.5	130				
Fluoranthene	0.00490	0.00010	0.005000	0	97.9	60.1	117				
Fluorene	0.00410	0.00010	0.005000	0	81.9	54.1	110				
Naphthalene	0.00401	0.00010	0.005000	0	80.2	36.3	97.1				
Phenanthrene	0.00453	0.00010	0.005000	0	90.6	55.9	107				
Pyrene	0.00491	0.00010	0.005000	0	98.2	61.4	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCS-58548	SampType: LCS	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132431			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525351			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.00380		0.005000		76.0	41.9	97.9				
Surr: Nitrobenzene-d5	0.00451		0.005000		90.2	39.9	106				
Surr: p-Terphenyl-d14	0.00450		0.005000		90.0	53	116				

Sample ID: LCSD-58548	SampType: LCSD	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132431			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525352			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00421	0.00010	0.005000	0	84.3	50.1	103	0.004234	0.497	40	
Anthracene	0.00451	0.00010	0.005000	0	90.3	57.4	110	0.004828	6.72	40	
Bis(2-ethylhexyl)phthalate	0.00477	0.00200	0.005000	0	95.5	63.2	152	0.004933	3.28	40	
Diethyl phthalate	0.00428	0.00100	0.005000	0	85.5	55.3	133	0.004371	2.17	0	
Dimethyl phthalate	0.00409	0.00100	0.005000	0	81.7	55.7	112	0.004803	16.1	0	
Di-n-butyl phthalate	0.00454	0.00100	0.005000	0	90.8	61.5	130	0.005010	9.89	40	
Fluoranthene	0.00455	0.00010	0.005000	0	91.0	60.1	117	0.004895	7.35	40	
Fluorene	0.00433	0.00010	0.005000	0	86.5	54.1	110	0.004095	5.49	40	
Naphthalene	0.00348	0.00010	0.005000	0	69.6	36.3	97.1	0.004009	14.2	40	
Phenanthrene	0.00425	0.00010	0.005000	0	84.9	55.9	107	0.004531	6.49	40	
Pyrene	0.00455	0.00010	0.005000	0	90.9	61.4	116	0.004910	7.70	40	
Surr: 2-Fluorobiphenyl	0.00327		0.005000		65.4	41.9	97.9		0	40	
Surr: Nitrobenzene-d5	0.00391		0.005000		78.2	39.9	106		0	40	
Surr: p-Terphenyl-d14	0.00420		0.005000		84.0	53	116		0	40	

Sample ID: MB-58548	SampType: MBLK	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132430			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525332			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-58548	SampType: MBLK	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132430			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525332			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00334		0.005000		66.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00385		0.01000		38.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.00385		0.005000		77.0	39.9	106				
Surr: Phenol-d5	0.00289		0.01000		28.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00441		0.005000		88.2	53	116				

Sample ID: LCS-58548	SampType: LCS	Units: mg/L			Prep Date: 2/17/2010			RunNo: 132430			
Client ID: ZZZZZZ	Batch ID: 58548	SW3510C			Analysis Date: 2/18/2010			SeqNo: 2525333			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00391	0.00010	0.005000	0	78.2	50.1	103				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCS-58548		SampType: LCS		Units: mg/L		Prep Date: 2/17/2010		RunNo: 132430			
Client ID: ZZZZZZ		Batch ID: 58548		SW3510C		Analysis Date: 2/18/2010		SeqNo: 2525333			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	0.00382	0.00010	0.005000	0	76.4	53.3	122				
Anthracene	0.00413	0.00010	0.005000	0	82.7	57.4	110				
Benzo(a)anthracene	0.00392	0.00010	0.005000	0	78.3	56	102				
Benzo(a)pyrene	0.00429	0.00010	0.005000	0	85.8	55.4	125				
Benzo(b)fluoranthene	0.00450	0.00010	0.005000	0	90.1	59.3	127				
Benzo(g,h,i)perylene	0.00443	0.00010	0.005000	0	88.5	58.4	125				
Benzo(k)fluoranthene	0.00446	0.00010	0.005000	0	89.3	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00486	0.00200	0.005000	0	97.2	63.2	152				
Chrysene	0.00443	0.00010	0.005000	0	88.7	58.7	118				
Dibenzo(a,h)anthracene	0.00444	0.00010	0.005000	0	88.8	59.3	126				
Diethyl phthalate	0.00432	0.00100	0.005000	0	86.4	55.3	133				
Dimethyl phthalate	0.00431	0.00100	0.005000	0	86.2	55.7	112				
Di-n-butyl phthalate	0.00446	0.00100	0.005000	0	89.1	61.5	130				
Fluoranthene	0.00437	0.00010	0.005000	0	87.5	60.1	117				
Fluorene	0.00417	0.00010	0.005000	0	83.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00438	0.00010	0.005000	0	87.6	58.1	123				
m,p-Cresol	0.00324	0.00010	0.005000	0	64.9	17.9	107				
o-Cresol	0.00323	0.00010	0.005000	0	64.6	20.5	109				
Phenanthrene	0.00417	0.00010	0.005000	0	83.4	55.9	107				
Pyrene	0.00438	0.00010	0.005000	0	87.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00352		0.005000		70.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00483		0.01000		48.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00381		0.005000		76.2	39.9	106				
Surr: Phenol-d5	0.00310		0.01000		31.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00420		0.005000		84.0	53	116				

Sample ID: LCSD-58548		SampType: LCSD		Units: mg/L		Prep Date: 2/17/2010		RunNo: 132430			
Client ID: ZZZZZZ		Batch ID: 58548		SW3510C		Analysis Date: 2/18/2010		SeqNo: 2525334			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: LCSD-58548		SampType: LCSD		Units: mg/L		Prep Date: 2/17/2010		RunNo: 132430			
Client ID: ZZZZZZ		Batch ID: 58548		SW3510C		Analysis Date: 2/18/2010		SeqNo: 2525334			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00380	0.00010	0.005000	0	76.0	50.1	103	0.003911	2.85	50	
Acenaphthylene	0.00383	0.00010	0.005000	0	76.7	53.3	122	0.003820	0.366	50	
Anthracene	0.00392	0.00010	0.005000	0	78.5	57.4	110	0.004133	5.21	50	
Benzo(a)anthracene	0.00386	0.00010	0.005000	0	77.3	56	102	0.003916	1.34	50	
Benzo(a)pyrene	0.00418	0.00010	0.005000	0	83.5	55.4	125	0.004291	2.74	50	
Benzo(b)fluoranthene	0.00444	0.00010	0.005000	0	88.8	59.3	127	0.004504	1.43	50	
Benzo(g,h,i)perylene	0.00439	0.00010	0.005000	0	87.8	58.4	125	0.004426	0.794	50	
Benzo(k)fluoranthene	0.00438	0.00010	0.005000	0	87.5	61.5	125	0.004463	1.99	50	
Bis(2-ethylhexyl)phthalate	0.00488	0.00200	0.005000	0	97.5	63.2	152	0.004859	0.329	50	
Chrysene	0.00428	0.00010	0.005000	0	85.5	58.7	118	0.004434	3.65	50	
Dibenzo(a,h)anthracene	0.00445	0.00010	0.005000	0	89.0	59.3	126	0.004440	0.270	50	
Diethyl phthalate	0.00417	0.00100	0.005000	0	83.4	55.3	133	0.004322	3.56	40	
Dimethyl phthalate	0.00412	0.00100	0.005000	0	82.4	55.7	112	0.004311	4.58	40	
Di-n-butyl phthalate	0.00442	0.00100	0.005000	0	88.3	61.5	130	0.004456	0.902	50	
Fluoranthene	0.00415	0.00010	0.005000	0	83.0	60.1	117	0.004374	5.21	50	
Fluorene	0.00410	0.00010	0.005000	0	81.9	54.1	110	0.004170	1.79	50	
Indeno(1,2,3-cd)pyrene	0.00441	0.00010	0.005000	0	88.2	58.1	123	0.004378	0.774	50	
m,p-Cresol	0.00293	0.00010	0.005000	0	58.6	17.9	107	0.003245	10.2	50	
o-Cresol	0.00285	0.00010	0.005000	0	57.0	20.5	109	0.003232	12.6	50	
Phenanthrene	0.00408	0.00010	0.005000	0	81.6	55.9	107	0.004170	2.23	50	
Pyrene	0.00427	0.00010	0.005000	0	85.4	61.4	116	0.004381	2.52	50	
Surr: 2-Fluorobiphenyl	0.00321		0.005000		64.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00454		0.01000		45.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00353		0.005000		70.6	39.9	106		0	50	
Surr: Phenol-d5	0.00298		0.01000		29.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00390		0.005000		78.0	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10020710

Report Date: 24-Feb-10

Sample ID: MB-R132478		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 132478		
Client ID: ZZZZZZ		Batch ID: R132478			Analysis Date: 2/19/2010			SeqNo: 2526456				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R132478		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132478		
Client ID: ZZZZZZ		Batch ID: R132478			Analysis Date: 2/19/2010			SeqNo: 2526457				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.111	0.007	0.1000	0	111.1	85	115				
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Sample ID: 10020710-001EMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 132478		
Client ID: 26785-treated-2/17/1		Batch ID: R132478			Analysis Date: 2/19/2010			SeqNo: 2526460				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	1.50	0.350	2.500	1.497	0	75	125				S
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Sample ID: 10020710-001EMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 132478		
Client ID: 26785-treated-2/17/1		Batch ID: R132478					Analysis Date: 2/19/2010			SeqNo: 2526461	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.43	0.350	2.500	1.497	-2.6	75	125	1.496	4.33	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020710

Report Date: 24-Feb-10

Carrier: Pete Sazama

Received By: MLD

Completed by:

On:

17-Feb-10

Dawn Brantley

Reviewed by:

On:

17-Feb-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Per Leslie Hoosier, analyze for 8270 SIMS. 2/18/10 HAW

February 25, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10020809

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/19/2010 2:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020809

Report Date: 25-Feb-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10020809-001	26785B-Treated-2/17/10	5	2/17/2010 2:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10020809

Report Date: 25-Feb-10

Cooler Receipt Temp: 2.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020809

Lab ID: 10020809-001

Report Date: 25-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785B-Treated-2/17/10

Collection Date: 2/17/2010 2:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		11.3		1	2/19/2010 9:05:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		10	mg/L	1	2/19/2010 3:15:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5	H	117	mg/L	1	2/19/2010 4:55:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250	J	0.016	mg/L	1	2/22/2010 10:59:55 AM	LAL
Barium	NELAP	0.0050		0.0964	mg/L	1	2/22/2010 10:59:55 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	2/22/2010 10:59:55 AM	LAL
Chromium	NELAP	0.0100	J	0.0074	mg/L	1	2/22/2010 12:09:44 PM	JMW
Selenium	NELAP	0.0500	J	0.026	mg/L	1	2/22/2010 10:59:55 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	2/22/2010 10:59:55 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	2/22/2010 4:40:34 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Diethyl phthalate	NELAP	0.00100	J	0.00065	mg/L	1	2/22/2010 10:53:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.0261	mg/L	1	2/22/2010 10:53:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00014	mg/L	1	2/22/2010 10:53:00 AM	MAV
o-Cresol	NELAP	0.00010		0.0117	mg/L	1	2/22/2010 10:53:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	2/22/2010 10:53:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020809

Lab ID: 10020809-001

Report Date: 25-Feb-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785B-Treated-2/17/10

Collection Date: 2/17/2010 2:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		71.2	%REC	1	2/22/2010 10:53:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.2	%REC	1	2/22/2010 10:53:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		74.0	%REC	1	2/22/2010 10:53:00 AM	MAV
Surr: Phenol-d5		11-42.8		24.0	%REC	1	2/22/2010 10:53:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		78.8	%REC	1	2/22/2010 10:53:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	1.2	µg/L	1	2/19/2010 8:06:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	2/19/2010 8:06:00 PM	CCF
Toluene	NELAP	5.0	J	1.4	µg/L	1	2/19/2010 8:06:00 PM	CCF
Xylenes, Total	NELAP	5.0	J	1.3	µg/L	1	2/19/2010 8:06:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		103.1	%REC	1	2/19/2010 8:06:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		102.6	%REC	1	2/19/2010 8:06:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		102.1	%REC	1	2/19/2010 8:06:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.7	%REC	1	2/19/2010 8:06:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	2/22/2010	SRH
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	2/22/2010 10:22:34 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	1.53	mg/L	50	2/22/2010 10:22:34 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 7470A (Total)

Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6249080120**Lab Order:** 10020809**Report Date:** 25-Feb-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10020809-001A	26785B-Treated-2/17/10	2/17/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/19/2010 6:03:04 PM	2/22/2010 10:53:00 AM
10020809-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		2/19/2010 9:05:00 PM
				Standard Methods 18th Ed. 2540 D		2/19/2010 3:15:00 PM
				Standard Methods 18th Ed. 5210 B	2/19/2010 4:55:00 PM	2/19/2010 4:55:00 PM
10020809-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	2/19/2010 3:00:00 PM	2/22/2010 10:59:55 AM
				SW-846 3005A, 6010B, Metals by ICP (Total)	2/19/2010 3:00:00 PM	2/22/2010 12:09:44 PM
				SW-846 3020A, Metals by GFAA (Total)	2/22/2010 8:12:11 AM	2/22/2010 4:40:34 PM
				SW-846 7470A (Total)	2/22/2010 9:03:27 AM	2/22/2010
10020809-001D				SW-846 9012A		2/22/2010 10:22:34 AM
				SW-846 9012A (Total)		2/22/2010 10:22:34 AM
10020809-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		2/19/2010 8:06:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020809

Report Date: 25-Feb-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R132474		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 132474		
Client ID: ZZZZZZ		Batch ID: R132474					Analysis Date: 2/19/2010			SeqNo: 2526373	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R132474		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132474		
Client ID: ZZZZZZ		Batch ID: R132474			Analysis Date: 2/19/2010			SeqNo: 2526374				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 132474		
Client ID: ZZZZZZ		Batch ID: R132474			Analysis Date: 2/19/2010			SeqNo: 2526517				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	90	6	100.0	0	90.0	85	115				
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Sample ID: 10020809-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 132474		
Client ID: 26785B-Treated-2/17		Batch ID: R132474					Analysis Date: 2/19/2010			SeqNo: 2526521	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	11	6						10.00	9.52	15	
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Sample ID: LCSQC	SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 132474		
Client ID: ZZZZZZ	Batch ID: R132474			Analysis Date: 2/19/2010			SeqNo: 2526535				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	85	6	100.0	0	85.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 132474		
Client ID: ZZZZZZ	Batch ID: R132474					Analysis Date: 2/19/2010			SeqNo: 2526549		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	87	6	100.0	0	87.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCS-R132495		SampType: LCS			Units:		Prep Date:			RunNo: 132495		
Client ID: ZZZZZZ		Batch ID: R132495			Analysis Date: 2/19/2010			SeqNo: 2526961				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 10020809-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 132495		
Client ID: 26785B-Treated-2/17		Batch ID: R132495		Analysis Date: 2/19/2010						SeqNo: 2526993	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	11.3	1.00						11.29	0	10	
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Sample ID: LCS-R132495	SampType: LCS			Units:	Prep Date:			RunNo: 132495			
Client ID: ZZZZZZ	Batch ID: R132495				Analysis Date: 2/19/2010			SeqNo: 2526962			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	0	7.000	0	99.9	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCS-58618	SampType: LCS	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132642		
Client ID: ZZZZZZ	Batch ID: 58618	SOP 2030				Analysis Date: 2/19/2010			SeqNo: 2530472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	186	5	198.0	0	93.9	84.6	115.4				

Sample ID: LCSQC-58618	SampType: LCSQC	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132642		
Client ID: ZZZZZZ	Batch ID: 58618	SOP 2030				Analysis Date: 2/19/2010			SeqNo: 2530473		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	102	5	108.0	0	94.4	68.6	128.7				

Sample ID: 10020809-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132642		
Client ID: 26785B-Treated-2/17	Batch ID: 58618	SOP 2030				Analysis Date: 2/19/2010			SeqNo: 2530482		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	103	5						117.0	12.7	40	H

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MB-58586	SampType: MBLK	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132499		
Client ID: ZZZZZZ	Batch ID: 58586	SOP 3034				Analysis Date: 2/22/2010			SeqNo: 2527415		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0005	0.0020	0.002000	0	25.0	-100	100				J
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58586	SampType: LCS	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132499		
Client ID: ZZZZZZ	Batch ID: 58586	SOP 3034				Analysis Date: 2/22/2010			SeqNo: 2527418		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.0250	2.000	0	100	85	115				
Barium	1.91	0.0050	2.000	0	95.6	85	115				
Cadmium	0.0496	0.0020	0.05000	0	99.2	85	115				
Selenium	2.04	0.0500	2.000	0	102.2	85	115				
Silver	0.0536	0.0100	0.05000	0	107.2	85	115				

Sample ID: MB-58586	SampType: MBLK	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132512		
Client ID: ZZZZZZ	Batch ID: 58586	SOP 3034				Analysis Date: 2/22/2010			SeqNo: 2527289		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58586	SampType: LCS	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132512		
Client ID: ZZZZZZ	Batch ID: 58586	SOP 3034				Analysis Date: 2/22/2010			SeqNo: 2527290		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.200	0.0100	0.2000	0	99.8	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: 10020809-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/19/2010			RunNo: 132512		
Client ID: 26785B-Treated-2/17		Batch ID: 58586		SOP 3034		Analysis Date: 2/22/2010			SeqNo: 2527292		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	0.180	0.0100	0.2000	0.007400	86.5	75	125				
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Sample ID: 10020809-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/19/2010			RunNo: 132512		
Client ID: 26785B-Treated-2/17		Batch ID: 58586		SOP 3034		Analysis Date: 2/22/2010			SeqNo: 2527293		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	0.178	0.0100	0.2000	0.007400	85.3	75	125	0.1803	1.28	20	
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Sample ID: MB-58586		SampType: MBLK		Units: mg/L		Prep Date: 2/19/2010		RunNo: 132499			
Client ID: ZZZZZZ		Batch ID: 58586		SOP 3034		Analysis Date: 2/22/2010		SeqNo: 2527416			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0005	0.0020	0.002000	0	25.0	-100	100				J
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58586		SampType: LCS			Units: mg/L		Prep Date: 2/19/2010			RunNo: 132499		
Client ID: ZZZZZZ		Batch ID: 58586			SOP 3034		Analysis Date: 2/22/2010			SeqNo: 2527419		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	2.00	0.0250	2.000	0	100	85	115				
Barium	1.91	0.0050	2.000	0	95.6	85	115				
Cadmium	0.0496	0.0020	0.05000	0	99.2	85	115				
Selenium	2.04	0.0500	2.000	0	102.2	85	115				
Silver	0.0536	0.0100	0.05000	0	107.2	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: 10020809-001CMS		SampType: MS			Units: mg/L		Prep Date: 2/19/2010		RunNo: 132499		
Client ID: 26785B-Treated-2/17		Batch ID: 58586			SOP 3034		Analysis Date: 2/22/2010		SeqNo: 2527422		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0.01570	104.7	75	125				
Barium	1.91	0.0050	2.000	0.09640	90.7	75	125				
Cadmium	0.0481	0.0020	0.05000	0	96.2	75	125				
Selenium	2.06	0.0500	2.000	0.02630	101.6	75	125				
Silver	0.0488	0.0100	0.05000	0	97.6	75	125				

Sample ID: 10020809-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 2/19/2010		RunNo: 132499		
Client ID: 26785B-Treated-2/17		Batch ID: 58586			SOP 3034		Analysis Date: 2/22/2010		SeqNo: 2527423		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0.01570	105.2	75	125	2.110	0.473	20	
Barium	1.91	0.0050	2.000	0.09640	90.8	75	125	1.911	0.105	20	
Cadmium	0.0485	0.0020	0.05000	0	97.0	75	125	0.04810	0.828	20	
Selenium	2.07	0.0500	2.000	0.02630	102.3	75	125	2.059	0.678	20	
Silver	0.0514	0.0100	0.05000	0	102.8	75	125	0.04880	5.19	20	

Sample ID: MB-58586		SampType: MBLK			Units: mg/L		Prep Date: 2/19/2010		RunNo: 132605		
Client ID: ZZZZZZ		Batch ID: 58586			SOP 3034		Analysis Date: 2/24/2010		SeqNo: 2529841		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Chromium	0.0043	0.0100	0.01000	0	43.0	-100	100				J

Sample ID: LCS-58586		SampType: LCS			Units: mg/L		Prep Date: 2/19/2010		RunNo: 132605		
Client ID: ZZZZZZ		Batch ID: 58586			SOP 3034		Analysis Date: 2/24/2010		SeqNo: 2529843		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.5	85	115				
Chromium	0.208	0.0100	0.2000	0	104.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MB-58595		SampType: MBLK		Units: mg/L		Prep Date: 2/22/2010			RunNo: 132533		
Client ID: ZZZZZZ		Batch ID: 58595		SOP 3044		Analysis Date: 2/22/2010			SeqNo: 2527845		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-58595		SampType: LCS		Units: mg/L		Prep Date: 2/22/2010			RunNo: 132533		
Client ID: ZZZZZZ		Batch ID: 58595		SOP 3044		Analysis Date: 2/22/2010			SeqNo: 2527847		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0157	0.0020	0.01500	0	105.0	80	120			
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Sample ID: 10020809-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/22/2010			RunNo: 132533		
Client ID: 26785B-Treated-2/17		Batch ID: 58595		SOP 3044		Analysis Date: 2/22/2010			SeqNo: 2527850		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0115	0.0020	0.01500	0	76.6	70	130	0.01270	10.0	20
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Sample ID: 10020809-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/22/2010			RunNo: 132533		
Client ID: 26785B-Treated-2/17		Batch ID: 58595		SOP 3044		Analysis Date: 2/22/2010			SeqNo: 2527852		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0127	0.0020	0.01500	0	84.7	70	130			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MB-58607	SampType: MBLK	Units: mg/L				Prep Date: 2/22/2010			RunNo: 132515		
Client ID: ZZZZZZ	Batch ID: 58607	SOP 3062				Analysis Date: 2/22/2010			SeqNo: 2527337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58607	SampType: LCS	Units: mg/L				Prep Date: 2/22/2010			RunNo: 132515		
Client ID: ZZZZZZ	Batch ID: 58607	SOP 3062				Analysis Date: 2/22/2010			SeqNo: 2527338		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00487	0.00020	0.005000	0	97.4	85	115				

Sample ID: MB-58607	SampType: MBLK	Units: mg/L				Prep Date: 2/22/2010			RunNo: 132515		
Client ID: ZZZZZZ	Batch ID: 58607	SOP 3062				Analysis Date: 2/22/2010			SeqNo: 2527341		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58607	SampType: LCS	Units: mg/L				Prep Date: 2/22/2010			RunNo: 132515		
Client ID: ZZZZZZ	Batch ID: 58607	SOP 3062				Analysis Date: 2/22/2010			SeqNo: 2527342		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00487	0.00020	0.005000	0	97.4	85	115				

Sample ID: 10020809-001CMS	SampType: MS	Units: mg/L				Prep Date: 2/22/2010			RunNo: 132515		
Client ID: 26785B-Treated-2/17	Batch ID: 58607	SOP 3062				Analysis Date: 2/22/2010			SeqNo: 2527344		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00135	0.00020	0.005000	0	27.0	75	125				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: 10020809-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 2/22/2010		RunNo: 132515		
Client ID: 26785B-Treated-2/17		Batch ID: 58607			SOP 3062		Analysis Date: 2/22/2010		SeqNo: 2527345		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00130	0.00020	0.005000	0	26.0	75	125	0.001350	3.77	15	S

Sample ID: MB-58607		SampType: MBLK			Units: mg/L		Prep Date: 2/22/2010		RunNo: 132515		
Client ID: ZZZZZZ		Batch ID: 58607			SOP 3062		Analysis Date: 2/22/2010		SeqNo: 2527339		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58607		SampType: LCS			Units: mg/L		Prep Date: 2/22/2010		RunNo: 132515		
Client ID: ZZZZZZ		Batch ID: 58607			SOP 3062		Analysis Date: 2/22/2010		SeqNo: 2527340		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00487	0.00020	0.005000	0	97.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCS-T100219-1		SampType: LCS		Units: µg/L		Prep Date: 2/19/2010		RunNo: 132505			
Client ID: ZZZZZZ		Batch ID: 58605		SW5030		Analysis Date: 2/19/2010		SeqNo: 2527096			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.7	2.0	50.00	0	91.4	82.7	117				
Ethylbenzene	45.2	5.0	50.00	0	90.4	83	113				
Toluene	43.7	5.0	50.00	0	87.4	79.6	116				
Xylenes, Total	136	5.0	150.0	0	90.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.1		50.00		104.2	74.7	129				
Surr: 4-Bromofluorobenzene	51.0		50.00		102.0	86	119				
Surr: Dibromofluoromethane	52.4		50.00		104.9	81.7	123				
Surr: Toluene-d8	47.6		50.00		95.1	84.3	114				

Sample ID: LCSD-T100219-1		SampType: LCSD		Units: µg/L		Prep Date: 2/19/2010		RunNo: 132505			
Client ID: ZZZZZZ		Batch ID: 58605		SW5030		Analysis Date: 2/19/2010		SeqNo: 2527097			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.9	2.0	50.00	0	97.7	82.7	117	45.72	6.64	20	
Ethylbenzene	45.5	5.0	50.00	0	90.9	83	113	45.18	0.618	20	
Toluene	44.7	5.0	50.00	0	89.3	79.6	116	43.70	2.20	20	
Xylenes, Total	137	5.0	150.0	0	91.4	80.3	120	135.7	1.08	20	
Surr: 1,2-Dichloroethane-d4	54.8		50.00		109.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.2		50.00		102.5	86	119		0	0	
Surr: Dibromofluoromethane	53.1		50.00		106.3	81.7	123		0	0	
Surr: Toluene-d8	47.3		50.00		94.5	84.3	114		0	0	

Sample ID: MBLK-T100219-1		SampType: MBLK		Units: µg/L		Prep Date: 2/19/2010		RunNo: 132505			
Client ID: ZZZZZZ		Batch ID: 58605		SW5030		Analysis Date: 2/19/2010		SeqNo: 2527098			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MBLK-T100219-1		SampType: MBLK		Units: µg/L		Prep Date: 2/19/2010			RunNo: 132505		
Client ID: ZZZZZZ		Batch ID: 58605		SW5030		Analysis Date: 2/19/2010			SeqNo: 2527098		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.5	74.7	129				
Surr: 4-Bromofluorobenzene	53.2		50.00		106.5	86	119				
Surr: Dibromofluoromethane	51.0		50.00		102.0	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.5	84.3	114				

Sample ID: 10020809-001EMS		SampType: MS		Units: µg/L		Prep Date: 2/19/2010		RunNo: 132505			
Client ID: 26785B-Treated-2/17		Batch ID: 58605		SW5030		Analysis Date: 2/19/2010		SeqNo: 2527110			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	51.4	2.0	56.00	1.220	89.6	57.8	125				
Toluene	57.1	5.0	56.00	1.380	99.5	75.8	123				
Ethylbenzene	61.9	5.0	56.00	0	110.6	72.8	123				
Xylenes, Total	122	5.0	112.0	1.340	107.7	73	127				
Surr: 1,2-Dichloroethane-d4	51.3		50.00		102.6	74.7	129				
Surr: 4-Bromofluorobenzene	53.3		50.00		106.5	86	119				
Surr: Dibromofluoromethane	51.5		50.00		103.0	81.7	123				
Surr: Toluene-d8	47.7		50.00		95.4	84.3	114				

Sample ID: 10020809-001EMSD	SampType: MSD	Units: µg/L			Prep Date: 2/19/2010			RunNo: 132505			
Client ID: 26785B-Treated-2/17	Batch ID: 58605	SW5030			Analysis Date: 2/19/2010			SeqNo: 2527111			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.9	2.0	56.00	1.220	86.9	57.8	125	51.38	2.90	20	
Toluene	57.7	5.0	56.00	1.380	100.6	75.8	123	57.11	1.01	20	
Ethylbenzene	63.4	5.0	56.00	0	113.2	72.8	123	61.91	2.33	20	
Xylenes, Total	124	5.0	112.0	1.340	109.6	73	127	122.0	1.71	20	
Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	53.0		50.00		106.1	86	119		0	0	
Surr: Dibromofluoromethane	50.9		50.00		101.8	81.7	123		0	0	
Surr: Toluene-d8	48.4		50.00		96.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MB-58591	SampType: MBLK	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132508			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527130			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00330		0.005000		66.0	41.9	97.9				
Surr: Nitrobenzene-d5	0.00367		0.005000		73.4	39.9	106				
Surr: p-Terphenyl-d14	0.00375		0.005000		75.0	53	116				

Sample ID: LCS-58591	SampType: LCS	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132508			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527131			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00332	0.00010	0.005000	0	66.4	50.1	103				
Anthracene	0.00358	0.00010	0.005000	0	71.7	57.4	110				
Bis(2-ethylhexyl)phthalate	0.00371	0.00200	0.005000	0	74.2	63.2	152				
Diethyl phthalate	0.00335	0.00100	0.005000	0	67.0	55.3	133				
Dimethyl phthalate	0.00386	0.00100	0.005000	0	77.2	55.7	112				
Di-n-butyl phthalate	0.00368	0.00100	0.005000	0	73.6	61.5	130				
Fluoranthene	0.00374	0.00010	0.005000	0	74.8	60.1	117				
Fluorene	0.00339	0.00010	0.005000	0	67.8	54.1	110				
Naphthalene	0.00316	0.00010	0.005000	0	63.1	36.3	97.1				
Phenanthrene	0.00368	0.00010	0.005000	0	73.6	55.9	107				
Pyrene	0.00374	0.00010	0.005000	0	74.8	61.4	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCS-58591	SampType: LCS	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132508			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527131			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.00334		0.005000		66.8	41.9	97.9				
Surr: Nitrobenzene-d5	0.00340		0.005000		68.0	39.9	106				
Surr: p-Terphenyl-d14	0.00361		0.005000		72.2	53	116				

Sample ID: LCSD-58591	SampType: LCSD	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132508			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527132			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00315	0.00010	0.005000	0	63.1	50.1	103	0.003320	5.13	40	S
Anthracene	0.00319	0.00010	0.005000	0	63.7	57.4	110	0.003583	11.7	40	
Bis(2-ethylhexyl)phthalate	0.00362	0.00200	0.005000	0	72.3	63.2	152	0.003710	2.59	40	
Diethyl phthalate	0.00320	0.00100	0.005000	0	64.1	55.3	133	0.003351	4.49	0	
Dimethyl phthalate	0.00353	0.00100	0.005000	0	70.5	55.7	112	0.003860	9.02	0	
Di-n-butyl phthalate	0.00306	0.00100	0.005000	0	61.2	61.5	130	0.003679	18.4	40	
Fluoranthene	0.00331	0.00010	0.005000	0	66.2	60.1	117	0.003741	12.2	40	
Fluorene	0.00355	0.00010	0.005000	0	71.0	54.1	110	0.003388	4.61	40	
Naphthalene	0.00292	0.00010	0.005000	0	58.3	36.3	97.1	0.003155	7.84	40	
Phenanthrene	0.00324	0.00010	0.005000	0	64.8	55.9	107	0.003679	12.7	40	
Pyrene	0.00316	0.00010	0.005000	0	63.1	61.4	116	0.003739	16.9	40	
Surr: 2-Fluorobiphenyl	0.00287		0.005000		57.4	41.9	97.9		0	40	
Surr: Nitrobenzene-d5	0.00310		0.005000		62.0	39.9	106		0	40	
Surr: p-Terphenyl-d14	0.00282		0.005000		56.4	53	116		0	40	

Sample ID: MB-58591	SampType: MBLK	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132501			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527069			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MB-58591	SampType: MBLK	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132501			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527069			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00360		0.005000		72.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00386		0.01000		38.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00384		0.005000		76.8	39.9	106				
Surr: Phenol-d5	0.00238		0.01000		23.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00437		0.005000		87.4	53	116				

Sample ID: LCS-58591	SampType: LCS	Units: mg/L			Prep Date: 2/19/2010			RunNo: 132501			
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C			Analysis Date: 2/22/2010			SeqNo: 2527070			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00398	0.00010	0.005000	0	79.6	50.1	103				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCS-58591	SampType: LCS	Units: mg/L				Prep Date: 2/19/2010			RunNo: 132501		
Client ID: ZZZZZZ	Batch ID: 58591	SW3510C				Analysis Date: 2/22/2010			SeqNo: 2527070		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	0.00397	0.00010	0.005000	0	79.4	53.3	122				
Anthracene	0.00400	0.00010	0.005000	0	80.1	57.4	110				
Benzo(a)anthracene	0.00388	0.00010	0.005000	0	77.5	56	102				
Benzo(a)pyrene	0.00416	0.00010	0.005000	0	83.2	55.4	125				
Benzo(b)fluoranthene	0.00437	0.00010	0.005000	0	87.4	59.3	127				
Benzo(g,h,i)perylene	0.00444	0.00010	0.005000	0	88.8	58.4	125				
Benzo(k)fluoranthene	0.00442	0.00010	0.005000	0	88.4	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00468	0.00200	0.005000	0	93.6	63.2	152				
Chrysene	0.00430	0.00010	0.005000	0	86.0	58.7	118				
Dibenzo(a,h)anthracene	0.00457	0.00010	0.005000	0	91.3	59.3	126				
Diethyl phthalate	0.00436	0.00100	0.005000	0	87.2	55.3	133				
Dimethyl phthalate	0.00422	0.00100	0.005000	0	84.3	55.7	112				
Di-n-butyl phthalate	0.00432	0.00100	0.005000	0	86.4	61.5	130				
Fluoranthene	0.00431	0.00010	0.005000	0	86.1	60.1	117				
Fluorene	0.00423	0.00010	0.005000	0	84.7	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00448	0.00010	0.005000	0	89.5	58.1	123				
m,p-Cresol	0.00269	0.00010	0.005000	0	53.7	17.9	107				
Naphthalene	0.00352	0.00010	0.005000	0	70.4	36.3	97.1				
o-Cresol	0.00278	0.00010	0.005000	0	55.6	20.5	109				
Phenanthrene	0.00413	0.00010	0.005000	0	82.6	55.9	107				
Pyrene	0.00444	0.00010	0.005000	0	88.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.00364		0.005000		72.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00452		0.01000		45.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00374		0.005000		74.8	39.9	106				
Surr: Phenol-d5	0.00269		0.01000		26.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00427		0.005000		85.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: LCSD-58591		SampType: LCSD		Units: mg/L		Prep Date: 2/19/2010		RunNo: 132501			
Client ID: ZZZZZZ		Batch ID: 58591		SW3510C		Analysis Date: 2/22/2010		SeqNo: 2527080			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00403	0.00010	0.005000	0	80.6	50.1	103	0.003979	1.32	50	
Acenaphthylene	0.00393	0.00010	0.005000	0	78.7	53.3	122	0.003968	0.886	50	
Anthracene	0.00400	0.00010	0.005000	0	80.0	57.4	110	0.004005	0.175	50	
Benzo(a)anthracene	0.00388	0.00010	0.005000	0	77.6	56	102	0.003877	0.0258	50	
Benzo(a)pyrene	0.00425	0.00010	0.005000	0	84.9	55.4	125	0.004161	2.02	50	
Benzo(b)fluoranthene	0.00440	0.00010	0.005000	0	87.9	59.3	127	0.004369	0.616	50	
Benzo(g,h,i)perylene	0.00436	0.00010	0.005000	0	87.2	58.4	125	0.004439	1.75	50	
Benzo(k)fluoranthene	0.00429	0.00010	0.005000	0	85.7	61.5	125	0.004418	3.01	50	
Bis(2-ethylhexyl)phthalate	0.00483	0.00200	0.005000	0	96.6	63.2	152	0.004680	3.15	50	
Chrysene	0.00422	0.00010	0.005000	0	84.4	58.7	118	0.004301	1.92	50	
Dibenzo(a,h)anthracene	0.00448	0.00010	0.005000	0	89.5	59.3	126	0.004567	2.01	50	
Diethyl phthalate	0.00432	0.00100	0.005000	0	86.4	55.3	133	0.004362	0.921	40	
Dimethyl phthalate	0.00425	0.00100	0.005000	0	84.9	55.7	112	0.004217	0.685	40	
Di-n-butyl phthalate	0.00433	0.00100	0.005000	0	86.6	61.5	130	0.004321	0.185	50	
Fluoranthene	0.00429	0.00010	0.005000	0	85.8	60.1	117	0.004306	0.372	50	
Fluorene	0.00428	0.00010	0.005000	0	85.6	54.1	110	0.004233	1.10	50	
Indeno(1,2,3-cd)pyrene	0.00442	0.00010	0.005000	0	88.5	58.1	123	0.004475	1.12	50	
m,p-Cresol	0.00273	0.00010	0.005000	0	54.5	17.9	107	0.002687	1.44	50	
Naphthalene	0.00371	0.00010	0.005000	0	74.1	36.3	97.1	0.003518	5.23	50	
o-Cresol	0.00290	0.00010	0.005000	0	57.9	20.5	109	0.002781	4.05	50	
Phenanthrene	0.00413	0.00010	0.005000	0	82.6	55.9	107	0.004132	0.0484	50	
Pyrene	0.00434	0.00010	0.005000	0	86.7	61.4	116	0.004438	2.33	50	
Surr: 2-Fluorobiphenyl	0.00353		0.005000		70.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00446		0.01000		44.6	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00369		0.005000		73.8	39.9	106		0	50	
Surr: Phenol-d5	0.00273		0.01000		27.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00416		0.005000		83.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: MB-R132520		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 132520		
Client ID: ZZZZZZ		Batch ID: R132520			Analysis Date: 2/22/2010			SeqNo: 2531229				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R132520		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132520		
Client ID: ZZZZZZ		Batch ID: R132520			Analysis Date: 2/22/2010			SeqNo: 2531230				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.109	0.007	0.1000	0	109.0	85	115				
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Sample ID: MB-R132520		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 132520		
Client ID: ZZZZZZ		Batch ID: R132520			Analysis Date: 2/22/2010			SeqNo: 2527534				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R132520		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132520		
Client ID: ZZZZZZ		Batch ID: R132520			Analysis Date: 2/22/2010			SeqNo: 2527535				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.109	0.007	0.1000	0	109.0	90	110				
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Sample ID: 10020809-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 132520		
Client ID: 26785B-Treated-2/17		Batch ID: R132520					Analysis Date: 2/22/2010			SeqNo: 2527540	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.47	0.350	5.000	1.526	-1.1	75	125				S
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10020809

Report Date: 25-Feb-10

Sample ID: 10020809-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 132520			
Client ID: 26785B-Treated-2/17		Batch ID: R132520				Analysis Date: 2/22/2010		SeqNo: 2527541			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.51	0.350	2.500	1.526	-0.6	75	125	1.473	2.56	15	S

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10020809

Report Date: 25-Feb-10

Carrier: Leslie Hoosier

Received By: EAH

Completed by:

On:

19-Feb-10

Marvin L. Darling

Reviewed by:

On:

19-Feb-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☐

No ☒

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Samples received did not meet hold time requirements for BOD analysis.

March 01, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10020944

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/23/2010 5:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10020944

Report Date: 01-Mar-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10020944-001	4091-Treated-2/23/10	5	2/23/2010 10:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10020944

Report Date: 01-Mar-10

Cooler Receipt Temp: 1.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10020944

Lab ID: 10020944-001

Report Date: 01-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-Treated-2/23/10

Collection Date: 2/23/2010 10:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		11.6		1	2/23/2010 6:00:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	2/24/2010 9:00:00 AM	LDG
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		97	mg/L	1	2/24/2010 2:15:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250	J	0.011	mg/L	1	2/24/2010 1:42:57 PM	LAL
Barium	NELAP	0.0050		0.126	mg/L	1	2/24/2010 11:38:47 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	2/24/2010 1:42:57 PM	LAL
Chromium	NELAP	0.0100	J	0.0066	mg/L	1	2/24/2010 11:38:47 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	2/24/2010 1:42:57 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	2/24/2010 1:42:57 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0008	mg/L	1	2/24/2010 1:02:34 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		0.00122	mg/L	1	2/24/2010 10:20:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00935	mg/L	1	2/24/2010 10:20:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00073	mg/L	1	2/24/2010 10:20:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00413	mg/L	1	2/24/2010 10:20:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00013	mg/L	1	2/24/2010 10:20:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	2/24/2010 10:20:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00013	mg/L	1	2/24/2010 10:20:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10020944
Lab ID: 10020944-001
Report Date: 01-Mar-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 4091-Treated-2/23/10
Collection Date: 2/23/2010 10:00:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		78.6	%REC	1	2/24/2010 10:20:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		43.1	%REC	1	2/24/2010 10:20:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		89.0	%REC	1	2/24/2010 10:20:00 AM	MAV
Surr: Phenol-d5		11-42.8		25.5	%REC	1	2/24/2010 10:20:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		87.4	%REC	1	2/24/2010 10:20:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	2/24/2010 2:02:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	2/24/2010 2:02:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	2/24/2010 2:02:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	2/24/2010 2:02:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		102.9	%REC	1	2/24/2010 2:02:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		107.0	%REC	1	2/24/2010 2:02:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		104.9	%REC	1	2/24/2010 2:02:00 AM	CCF
Surr: Toluene-d8		84.3-114		94.2	%REC	1	2/24/2010 2:02:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	2/24/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.010		Interference	mg/L	1	2/24/2010 8:51:29 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	2/24/2010 8:51:29 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix spike did not recover within control limits due to matrix interference.

SW-846 7470A (Total)

Hg - Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10020944**Report Date:** 01-Mar-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10020944-001A	4091-Treated-2/23/10	2/23/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	2/24/2010 8:55:23 AM	2/24/2010 10:20:00 AM
10020944-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		2/23/2010 6:00:00 PM
				Standard Methods 18th Ed. 2540 D		2/24/2010 9:00:00 AM
				Standard Methods 18th Ed. 5210 B	2/24/2010 2:15:00 PM	2/24/2010 2:15:00 PM
10020944-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	2/23/2010 6:00:00 PM	2/24/2010 11:38:47 AM
				SW-846 3005A, 6010B, Metals by ICP (Total)	2/23/2010 6:00:00 PM	2/24/2010 1:42:57 PM
				SW-846 3020A, Metals by GFAA (Total)	2/23/2010 6:04:13 PM	2/24/2010 1:02:34 PM
				SW-846 7470A (Total)	2/23/2010 6:00:10 PM	2/24/2010
10020944-001D				SW-846 9012A		2/24/2010 8:51:29 AM
				SW-846 9012A (Total)		2/24/2010 8:51:29 AM
10020944-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		2/24/2010 2:02:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: A_TCND_S_AT_9012A

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-R132604		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 132604		
Client ID: ZZZZZZ		Batch ID: R132604					Analysis Date: 2/24/2010			SeqNo: 2529689	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R132604		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 132604		
Client ID: ZZZZZZ		Batch ID: R132604			Analysis Date: 2/24/2010			SeqNo: 2529690				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.102	0.007	0.1000	0	101.9	90	110				
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Sample ID: 10020944-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 132604		
Client ID: 4091-Treated-2/23/1		Batch ID: R132604					Analysis Date: 2/24/2010			SeqNo: 2529691	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.991	0.350	0.05000	0	1982	75	125				S
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Sample ID: 10020944-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 132604		
Client ID: 4091-Treated-2/23/1		Batch ID: R132604					Analysis Date: 2/24/2010			SeqNo: 2529692	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.06	0.350	0.05000	0	2125	75	125	0.9908	6.96	15	S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10020944

Report Date: 01-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-58717	SampType: LCS	Units: mg/L			Prep Date: 2/24/2010			RunNo: 132777			
Client ID: ZZZZZZ	Batch ID: 58717	SOP 2030			Analysis Date: 2/24/2010			SeqNo: 2533177			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	197	5	198.0	0	99.6	84.6	115.4				

Sample ID: LCSQC-58717	SampType: LCSQC	Units: mg/L			Prep Date: 2/24/2010			RunNo: 132777			
Client ID: ZZZZZZ	Batch ID: 58717	SOP 2030			Analysis Date: 2/24/2010			SeqNo: 2533178			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	107	5	108.0	0	98.8	68.6	128.7				

Sample ID: 10020944-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 2/24/2010			RunNo: 132777			
Client ID: 4091-Treated-2/23/1	Batch ID: 58717	SOP 2030			Analysis Date: 2/24/2010			SeqNo: 2533195			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	96	5						97.00	1.04	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10020944

Report Date: 01-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: 10020944-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 132575				
Client ID: 4091-Treated-2/23/1		Batch ID: R132575				Analysis Date: 2/23/2010		SeqNo: 2529224				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	11.7	1.00						11.65	0.172	10		

Sample ID: LCS-R132575		SampType: LCS		Units:		Prep Date:		RunNo: 132575				
Client ID: ZZZZZZ		Batch ID: R132575				Analysis Date: 2/23/2010		SeqNo: 2529427				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_TSS_M_AT

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-R132632	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 132632		
Client ID: ZZZZZZ	Batch ID: R132632					Analysis Date: 2/23/2010			SeqNo: 2530149		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R132632	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 132632		
Client ID: ZZZZZZ	Batch ID: R132632					Analysis Date: 2/23/2010			SeqNo: 2530150		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90	6	100.0	0	90.0	85	115				

Sample ID: MB-R132632	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 132632		
Client ID: ZZZZZZ	Batch ID: R132632					Analysis Date: 2/23/2010			SeqNo: 2530180		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 132632		
Client ID: ZZZZZZ	Batch ID: R132632					Analysis Date: 2/23/2010			SeqNo: 2530181		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: 10020944-001BDUP	SampType: DUP	Units: mg/L				Prep Date:			RunNo: 132632		
Client ID: 4091-Treated-2/23/1	Batch ID: R132632					Analysis Date: 2/24/2010			SeqNo: 2530187		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	5	6						5.000	0	15	J

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 132632		
Client ID: ZZZZZZ	Batch ID: R132632					Analysis Date: 2/24/2010			SeqNo: 2530188		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10020944

Report Date: 01-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: LCSQC		SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 132632			
Client ID: ZZZZZZ		Batch ID: R132632				Analysis Date: 2/24/2010		SeqNo: 2530188			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	92	6	100.0	0	92.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_GF_ST

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-58650		SampType: MBLK		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132620		
Client ID: ZZZZZZ		Batch ID: 58650		SOP 3044		Analysis Date: 2/24/2010			SeqNo: 2530039		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-58650		SampType: LCS			Units: mg/L		Prep Date: 2/23/2010			RunNo: 132620		
Client ID: ZZZZZZ		Batch ID: 58650			SOP 3044		Analysis Date: 2/24/2010			SeqNo: 2530041		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0153	0.0020	0.01500	0	101.8	80	120			
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Sample ID: 10020944-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/23/2010		RunNo: 132620			
Client ID: 4091-Treated-2/23/1		Batch ID: 58650		SOP 3044		Analysis Date: 2/24/2010		SeqNo: 2530045			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0172	0.0020	0.01500	0.0008187	109.5	70	130			
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Sample ID: 10020944-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132620		
Client ID: 4091-Treated-2/23/1		Batch ID: 58650		SOP 3044		Analysis Date: 2/24/2010			SeqNo: 2530046		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0171	0.0020	0.01500	0.0008187	108.6	70	130	0.01725	0.844	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-58649		SampType: MBLK		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132581		
Client ID: ZZZZZZ		Batch ID: 58649		SOP 3034		Analysis Date: 2/24/2010			SeqNo: 2529761		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.010000	0	0	-100	100				

Sample ID: LCS-58649		SampType: LCS			Units: mg/L		Prep Date: 2/23/2010			RunNo: 132581		
Client ID: ZZZZZZ		Batch ID: 58649			SOP 3034		Analysis Date: 2/24/2010			SeqNo: 2529762		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Barium	2.07	0.0050	2.000	0	103.4	85	115				
Chromium	0.219	0.0100	0.2000	0	109.3	85	115				

Sample ID: 10020944-001CMS		SampType: MS			Units: mg/L		Prep Date: 2/23/2010			RunNo: 132581		
Client ID: 4091-Treated-2/23/1		Batch ID: 58649			SOP 3034		Analysis Date: 2/24/2010			SeqNo: 2529764		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Barium	2.03	0.0050	2.000	0.1262	95.1	75	125				
Chromium	0.218	0.0100	0.2000	0.006600	105.6	75	125				

Sample ID: 10020944-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132581		
Client ID: 4091-Treated-2/23/1		Batch ID: 58649		SOP 3034		Analysis Date: 2/24/2010			SeqNo: 2529765		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	2.01	0.0050	2.000	0.1262	94.4	75	125	2.028	0.693	20	
Chromium	0.215	0.0100	0.2000	0.006600	104.1	75	125	0.2177	1.34	20	

Sample ID: MB-58649		SampType: MBLK			Units: mg/L		Prep Date: 2/23/2010			RunNo: 132612		
Client ID: ZZZZZZ		Batch ID: 58649			SOP 3034		Analysis Date: 2/24/2010			SeqNo: 2529995		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-58649	SampType: MBLK	Units: mg/L				Prep Date: 2/23/2010			RunNo: 132612		
Client ID: ZZZZZZ	Batch ID: 58649	SOP 3034				Analysis Date: 2/24/2010			SeqNo: 2529995		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-58649	SampType: LCS	Units: mg/L				Prep Date: 2/23/2010			RunNo: 132612		
Client ID: ZZZZZZ	Batch ID: 58649	SOP 3034				Analysis Date: 2/24/2010			SeqNo: 2529996		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	106.8	85	115				
Cadmium	0.0525	0.0020	0.05000	0	105.0	85	115				
Chromium	0.212	0.0100	0.2000	0	106.0	85	115				
Selenium	2.08	0.0500	2.000	0	104.2	85	115				
Silver	0.0532	0.0100	0.05000	0	106.4	85	115				

Sample ID: 10020944-001CMS	SampType: MS	Units: mg/L				Prep Date: 2/23/2010			RunNo: 132612		
Client ID: 4091-Treated-2/23/1	Batch ID: 58649	SOP 3034				Analysis Date: 2/24/2010			SeqNo: 2529998		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0.01100	105.6	75	125				
Cadmium	0.0485	0.0020	0.05000	0	97.0	75	125				
Selenium	2.02	0.0500	2.000	0	101.1	75	125				
Silver	0.0497	0.0100	0.05000	0	99.4	75	125				

Sample ID: 10020944-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 2/23/2010			RunNo: 132612		
Client ID: 4091-Treated-2/23/1	Batch ID: 58649	SOP 3034				Analysis Date: 2/24/2010			SeqNo: 2529999		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.16	0.0250	2.000	0.01100	107.6	75	125	2.124	1.87	20	
Cadmium	0.0495	0.0020	0.05000	0	99.0	75	125	0.04850	2.04	20	
Selenium	2.03	0.0500	2.000	0	101.5	75	125	2.022	0.346	20	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10020944

Report Date: 01-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 10020944-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/23/2010		RunNo: 132612			
Client ID: 4091-Treated-2/23/1		Batch ID: 58649		SOP 3034		Analysis Date: 2/24/2010		SeqNo: 2529999			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.0487	0.0100	0.05000	0	97.4	75	125	0.04970	2.03	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_HG_AQ_S

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-58647		SampType: MBLK		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132600		
Client ID: ZZZZZZ		Batch ID: 58647		SOP 3062		Analysis Date: 2/24/2010			SeqNo: 2529583		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-58647	SampType: LCS	Units: mg/L			Prep Date: 2/23/2010			RunNo: 132600			
Client ID: ZZZZZZ	Batch ID: 58647	SOP 3062			Analysis Date: 2/24/2010			SeqNo: 2529584			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00491	0.00020	0.005000	0	98.2	85	115				

Sample ID: 10020944-001CMS		SampType: MS		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132600		
Client ID: 4091-Treated-2/23/1		Batch ID: 58647		SOP 3062		Analysis Date: 2/24/2010			SeqNo: 2529621		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00103	0.00020	0.005000	0	20.6	75	125				S

Sample ID: 10020944-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132600		
Client ID: 4091-Treated-2/23/1		Batch ID: 58647		SOP 3062		Analysis Date: 2/24/2010			SeqNo: 2529622		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00104	0.00020	0.005000	0	20.8	75	125	0.001030	0.966	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MB-58641		SampType: MBLK		Units: mg/L		Prep Date: 2/23/2010			RunNo: 132587		
Client ID: ZZZZZZ		Batch ID: 58641		SW3510C		Analysis Date: 2/23/2010			SeqNo: 2529268		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	0.00064	0.00100									J
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00349		0.005000		69.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00450		0.01000		45.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00387		0.005000		77.4	39.9	106				
Surr: Phenol-d5	0.00280		0.01000		28.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00399		0.005000		79.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: LCS-58641	SampType: LCS	Units: mg/L			Prep Date: 2/23/2010			RunNo: 132587			
Client ID: ZZZZZZ	Batch ID: 58641	SW3510C			Analysis Date: 2/23/2010			SeqNo: 2529269			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00379	0.00010	0.005000	0	75.9	50.1	103				
Acenaphthylene	0.00370	0.00010	0.005000	0	74.0	53.3	122				
Anthracene	0.00372	0.00010	0.005000	0	74.4	57.4	110				
Benzo(a)anthracene	0.00364	0.00010	0.005000	0	72.9	56	102				
Benzo(a)pyrene	0.00410	0.00010	0.005000	0	82.0	55.4	125				
Benzo(b)fluoranthene	0.00414	0.00010	0.005000	0	82.9	59.3	127				
Benzo(g,h,i)perylene	0.00415	0.00010	0.005000	0	83.0	58.4	125				
Benzo(k)fluoranthene	0.00421	0.00010	0.005000	0	84.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00486	0.00200	0.005000	0	97.2	63.2	152				
Chrysene	0.00410	0.00010	0.005000	0	82.0	58.7	118				
Dibenzo(a,h)anthracene	0.00428	0.00010	0.005000	0	85.7	59.3	126				
Diethyl phthalate	0.00489	0.00100	0.005000	0	97.8	55.3	133				
Dimethyl phthalate	0.00416	0.00100	0.005000	0	83.1	55.7	112				
Di-n-butyl phthalate	0.00412	0.00100	0.005000	0	82.4	61.5	130				
Fluoranthene	0.00404	0.00010	0.005000	0	80.8	60.1	117				
Fluorene	0.00400	0.00010	0.005000	0	80.1	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00424	0.00010	0.005000	0	84.8	58.1	123				
m,p-Cresol	0.00262	0.00010	0.005000	0	52.4	17.9	107				
Naphthalene	0.00333	0.00010	0.005000	0	66.6	36.3	97.1				
o-Cresol	0.00276	0.00010	0.005000	0	55.1	20.5	109				
Phenanthrene	0.00395	0.00010	0.005000	0	79.0	55.9	107				
Pyrene	0.00413	0.00010	0.005000	0	82.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00368		0.005000		73.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00430		0.01000		43.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00377		0.005000		75.4	39.9	106				
Surr: Phenol-d5	0.00278		0.01000		27.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00405		0.005000		81.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: LCSD-58641		SampType: LCSD		Units: mg/L		Prep Date: 2/23/2010		RunNo: 132587			
Client ID: ZZZZZZ		Batch ID: 58641		SW3510C		Analysis Date: 2/23/2010		SeqNo: 2529270			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00357	0.00010	0.005000	0	71.4	50.1	103	0.003794	6.06	50	
Acenaphthylene	0.00354	0.00010	0.005000	0	70.8	53.3	122	0.003698	4.34	50	
Anthracene	0.00364	0.00010	0.005000	0	72.9	57.4	110	0.003721	2.09	50	
Benzo(a)anthracene	0.00355	0.00010	0.005000	0	71.0	56	102	0.003644	2.61	50	
Benzo(a)pyrene	0.00402	0.00010	0.005000	0	80.4	55.4	125	0.004102	2.07	50	
Benzo(b)fluoranthene	0.00407	0.00010	0.005000	0	81.3	59.3	127	0.004143	1.90	50	
Benzo(g,h,i)perylene	0.00413	0.00010	0.005000	0	82.5	58.4	125	0.004152	0.604	50	
Benzo(k)fluoranthene	0.00411	0.00010	0.005000	0	82.2	61.5	125	0.004212	2.45	50	
Bis(2-ethylhexyl)phthalate	0.00418	0.00200	0.005000	0	83.6	63.2	152	0.004860	15.1	50	
Chrysene	0.00394	0.00010	0.005000	0	78.7	58.7	118	0.004098	4.06	50	
Dibenzo(a,h)anthracene	0.00428	0.00010	0.005000	0	85.7	59.3	126	0.004284	0.0233	50	
Diethyl phthalate	0.00449	0.00100	0.005000	0	89.9	55.3	133	0.004890	8.44	40	
Dimethyl phthalate	0.00400	0.00100	0.005000	0	80.0	55.7	112	0.004156	3.80	40	
Di-n-butyl phthalate	0.00412	0.00100	0.005000	0	82.4	61.5	130	0.004119	0.0485	50	
Fluoranthene	0.00403	0.00010	0.005000	0	80.6	60.1	117	0.004041	0.223	50	
Fluorene	0.00387	0.00010	0.005000	0	77.4	54.1	110	0.004005	3.40	50	
Indeno(1,2,3-cd)pyrene	0.00424	0.00010	0.005000	0	84.8	58.1	123	0.004239	0.0236	50	
m,p-Cresol	0.00272	0.00010	0.005000	0	54.5	17.9	107	0.002619	3.97	50	
Naphthalene	0.00320	0.00010	0.005000	0	64.0	36.3	97.1	0.003331	4.01	50	
o-Cresol	0.00286	0.00010	0.005000	0	57.3	20.5	109	0.002755	3.88	50	
Phenanthrene	0.00388	0.00010	0.005000	0	77.6	55.9	107	0.003949	1.71	50	
Pyrene	0.00407	0.00010	0.005000	0	81.4	61.4	116	0.004132	1.56	50	
Surr: 2-Fluorobiphenyl	0.00349		0.005000		69.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00431		0.01000		43.1	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00353		0.005000		70.6	39.9	106		0	50	
Surr: Phenol-d5	0.00266		0.01000		26.6	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00391		0.005000		78.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: LCS-T100223-2	SampType: LCS	Units: µg/L				Prep Date: 2/23/2010			RunNo: 132611		
Client ID: ZZZZZZ	Batch ID: 58668	SW5030				Analysis Date: 2/23/2010			SeqNo: 2529794		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.8	2.0	50.00	0	97.6	82.7	117				
Toluene	46.3	5.0	50.00	0	92.7	79.6	116				
Ethylbenzene	47.7	5.0	50.00	0	95.5	83	113				
Xylenes, Total	143	5.0	150.0	0	95.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	54.1		50.00		108.1	74.7	129				
Surr: 4-Bromofluorobenzene	49.5		50.00		99.0	86	119				
Surr: Dibromofluoromethane	52.8		50.00		105.7	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.7	84.3	114				

Sample ID: LCSD-T100223-2	SampType: LCSD	Units: µg/L				Prep Date: 2/23/2010			RunNo: 132611		
Client ID: ZZZZZZ	Batch ID: 58668	SW5030				Analysis Date: 2/23/2010			SeqNo: 2529795		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.5	2.0	50.00	0	94.9	82.7	117	48.81	2.80	20	
Toluene	46.9	5.0	50.00	0	93.7	79.6	116	46.34	1.12	20	
Ethylbenzene	47.4	5.0	50.00	0	94.9	83	113	47.73	0.588	20	
Xylenes, Total	145	5.0	150.0	0	96.4	80.3	120	143.3	0.952	0	
Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.2		50.00		104.4	86	119		0	0	
Surr: Dibromofluoromethane	51.5		50.00		103.0	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.2	84.3	114		0	0	

Sample ID: MBLK-T100223-2	SampType: MBLK	Units: µg/L			Prep Date: 2/23/2010			RunNo: 132611			
Client ID: ZZZZZZ	Batch ID: 58668	SW5030			Analysis Date: 2/24/2010			SeqNo: 2529796			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10020944

Report Date: 01-Mar-10

Sample ID: MBLK-T100223-2	SampType: MBLK	Units: µg/L			Prep Date: 2/23/2010			RunNo: 132611			
Client ID: ZZZZZZ	Batch ID: 58668	SW5030			Analysis Date: 2/24/2010			SeqNo: 2529796			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.3	74.7	129				
Surr: 4-Bromofluorobenzene	53.4		50.00		106.8	86	119				
Surr: Dibromofluoromethane	50.0		50.00		100.1	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.5	84.3	114				

Sample ID: 10020944-001EMS	SampType: MS	Units: µg/L				Prep Date: 2/23/2010			RunNo: 132611		
Client ID: 4091-Treated-2/23/1	Batch ID: 58668	SW5030				Analysis Date: 2/24/2010			SeqNo: 2529800		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.7	2.0	56.00	0	81.7	57.8	125				
Toluene	55.1	5.0	56.00	0	98.3	75.8	123				
Ethylbenzene	63.5	5.0	56.00	0	113.5	72.8	123				
Xylenes, Total	125	5.0	112.0	0	111.4	73	127				
Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.6	74.7	129				
Surr: 4-Bromofluorobenzene	54.7		50.00		109.4	86	119				
Surr: Dibromofluoromethane	52.4		50.00		104.7	81.7	123				
Surr: Toluene-d8	46.5		50.00		93.0	84.3	114				

Sample ID: 10020944-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 2/23/2010			RunNo: 132611		
Client ID: 4091-Treated-2/23/1	Batch ID: 58668	SW5030				Analysis Date: 2/24/2010			SeqNo: 2529801		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.7	2.0	56.00	0	81.5	57.8	125	45.73	0.153	20	
Toluene	55.2	5.0	56.00	0	98.6	75.8	123	55.06	0.326	20	
Ethylbenzene	63.9	5.0	56.00	0	114.1	72.8	123	63.54	0.534	20	
Xylenes, Total	124	5.0	112.0	0	110.7	73	127	124.8	0.635	20	
Surr: 1,2-Dichloroethane-d4	50.4		50.00		100.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.3		50.00		104.6	86	119		0	0	
Surr: Dibromofluoromethane	50.9		50.00		101.8	81.7	123		0	0	
Surr: Toluene-d8	47.2		50.00		94.3	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10020944

Report Date: 01-Mar-10

Carrier: Sean Spinner

Received By: MLD

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

23-Feb-10

24-Feb-10

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☐	No ☒		

Any No responses must be detailed below or on the COC.

Sample was split for cyanide analyses and preserved with sodium hydroxide upon arrival at the laboratory. Additional nitric acid was needed upon arrival at the laboratory. MLDII 12/23/10



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

Project Name: Champaign MGP Project Mgr.: Pete Sazma

Project Number: 624-0908-0120 Cost Code: 50002

Sampler(s): S. Duffe

Laboratory Name: Tek Lab

Location: Collinsville, IL

Sample Number and (depth)

Date

Time

Matrix

Soil

Water

Air

Wipes

Other *

Total Number of Containers

Analyses by Method Name and Number

BTEX (B260)
SVOC (B270)
RCRA Metals
Total Cyanide
Amenable
PH
TSS
BOD₅

Laboratory
Temperature upon
Receipt
1.2 FCF

Lab ID #'s

Comments (Field PID)

* Please rush.

Please report

prelim. results

w/o 5 day BOD.

Teklab, Inc.

Courier Pick Up

1 DAY

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics

☐ VOC Soil (5035)

☐ TPH

☒ Metals

☐ Cyanide

☐ Other (Specify)

Hydrochloric acid (HCl)

Sodium Bisulfate/Methanol

Hydrochloric acid and/or Sulfuric acid (HNO₃)

Nitric acid (NaOH)

Sodium hydroxide

Lab Directives:

☒ Rush

☐ 5 Days

☐ STD

☐ Other

Requested TAT:

Fax and/or Mail Results to:

Send Invoice to:

QC Deliverable Requested:

Special Guidelines:

Reporting Limits:

* Special:

☐ Full QC & Limits

☐ CLP-LIKE

☐ EDD

☐ Other

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

March 25, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 10030796

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/19/2010 3:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10030796

Report Date: 25-Mar-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10030796-001	26785-Treated-3/19/10	5	3/19/2010 9:35:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 10030796

Report Date: 25-Mar-10

Cooler Receipt Temp: 9.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030796

Lab ID: 10030796-001

Report Date: 25-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-Treated-3/19/10

Collection Date: 3/19/2010 9:35:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.46		1	3/22/2010 4:18:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	3/22/2010 1:30:00 PM	MVS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		155	mg/L	1	3/19/2010 4:10:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/22/2010 12:21:14 PM	LAL
Barium	NELAP	0.0050		0.0690	mg/L	1	3/22/2010 12:21:14 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	3/22/2010 12:21:14 PM	LAL
Chromium	NELAP	0.0100	J	0.0060	mg/L	1	3/22/2010 12:21:14 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	3/22/2010 12:21:14 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/22/2010 12:21:14 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	3/22/2010 12:51:28 PM	JMW
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
m,p-Cresol	NELAP	0.00010		0.00028	mg/L	1	3/22/2010 1:11:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00010	mg/L	1	3/22/2010 1:11:00 PM	MAV
o-Cresol	NELAP	0.00010		0.00016	mg/L	1	3/22/2010 1:11:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	3/22/2010 1:11:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030796

Lab ID: 10030796-001

Report Date: 25-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-Treated-3/19/10

Collection Date: 3/19/2010 9:35:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		73.5	%REC	1	3/22/2010 1:11:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		45.1	%REC	1	3/22/2010 1:11:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		88.4	%REC	1	3/22/2010 1:11:00 PM	MAV
Surr: Phenol-d5		11-42.8		25.6	%REC	1	3/22/2010 1:11:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		74.6	%REC	1	3/22/2010 1:11:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	3/19/2010 5:36:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/19/2010 5:36:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/19/2010 5:36:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/19/2010 5:36:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		87.3	%REC	1	3/19/2010 5:36:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		108.9	%REC	1	3/19/2010 5:36:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		99.7	%REC	1	3/19/2010 5:36:00 PM	TAL
Surr: Toluene-d8		84.3-114		96.3	%REC	1	3/19/2010 5:36:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	3/22/2010	SRH
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	3/23/2010 8:49:12 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	2.61	mg/L	50	3/23/2010 8:49:12 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Standard Methods 18th Ed. 5210 B

Laboratory control sample did not recover within QC limits. Batch verified on LCSQC recovery.

SW-846 7470A (Total)

Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Bis(2-ethylhexyl)phthalate was outside of upper recovery limits in the LCS, sample results are below reporting limits.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 62403053**Lab Order:** 10030796**Report Date:** 25-Mar-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10030796-001A	26785-Treated-3/19/10	3/19/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/19/2010 7:43:53 PM	3/22/2010 1:11:00 PM
10030796-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		3/22/2010 4:18:00 PM
				Standard Methods 18th Ed. 2540 D		3/22/2010 1:30:00 PM
				Standard Methods 18th Ed. 5210 B	3/19/2010 4:10:00 PM	3/19/2010 4:10:00 PM
10030796-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	3/22/2010 8:11:18 AM	3/22/2010 12:21:14 PM
				SW-846 3020A, Metals by GFAA (Total)	3/22/2010 8:26:53 AM	3/22/2010 12:51:28 PM
				SW-846 7470A (Total)	3/22/2010 8:01:24 AM	3/22/2010
10030796-001D				SW-846 9012A		3/23/2010 8:49:12 AM
				SW-846 9012A (Total)		3/23/2010 8:49:12 AM
10030796-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		3/19/2010 5:36:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: A_TCND_S_AT_9012A

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MB-R133609	SampType: MBLK	Units: mg/L				Prep Date:				RunNo: 133609		
Client ID: ZZZZZZ	Batch ID: R133609					Analysis Date: 3/22/2010				SeqNo: 2555580		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R133609	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 133609		
Client ID: ZZZZZZ	Batch ID: R133609					Analysis Date: 3/22/2010				SeqNo: 2555581		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.101	0.007	0.1000	0	101.1	90	110					

Sample ID: MB-R133609	SampType: MBLK	Units: mg/L				Prep Date:				RunNo: 133609		
Client ID: ZZZZZZ	Batch ID: R133609					Analysis Date: 3/23/2010				SeqNo: 2555604		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R133609	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 133609		
Client ID: ZZZZZZ	Batch ID: R133609					Analysis Date: 3/23/2010				SeqNo: 2555605		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.094	0.007	0.1000	0	94.2	90	110					

Sample ID: 10030796-001DMS	SampType: MS	Units: mg/L				Prep Date:				RunNo: 133609		
Client ID: 26785-Treated-3/19/	Batch ID: R133609					Analysis Date: 3/23/2010				SeqNo: 2555805		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	2.80	0.350	2.500	2.607	7.8	75	125				S	

Sample ID: 10030796-001DMSD	SampType: MSD	Units: mg/L				Prep Date:				RunNo: 133609		
Client ID: 26785-Treated-3/19/	Batch ID: R133609					Analysis Date: 3/23/2010				SeqNo: 2555806		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10030796

Report Date: 25-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCND_S_AT_9012A

Sample ID: 10030796-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 133609			
Client ID: 26785-Treated-3/19/		Batch ID: R133609				Analysis Date: 3/23/2010		SeqNo: 2555806			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	2.87	0.350	2.500	2.607	10.6	75	125	2.802	2.50	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_BOD_M_AT

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: LCS-59212	SampType: LCS	Units: mg/L				Prep Date: 3/19/2010			RunNo: 133697		
Client ID: ZZZZZZ	Batch ID: 59212	SOP 2030				Analysis Date: 3/19/2010			SeqNo: 2557863		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	165	5	198.0	0	83.3	84.6	115.4				S

Sample ID: LCSQC-59212	SampType: LCSQC	Units: mg/L			Prep Date: 3/19/2010			RunNo: 133697			
Client ID: ZZZZZZ	Batch ID: 59212	SOP 2030			Analysis Date: 3/19/2010			SeqNo: 2557864			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	85	5	108.0	0	78.7	68.6	128.7				

Sample ID: 10030796-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 3/19/2010			RunNo: 133697		
Client ID: 26785-Treated-3/19/		Batch ID: 59212		SOP 2030		Analysis Date: 3/19/2010			SeqNo: 2557879		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	160	5						155.0	3.17	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10030796

Report Date: 25-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R133590	SampType: LCS	Units:			Prep Date:			RunNo: 133590			
Client ID: ZZZZZZ	Batch ID: R133590				Analysis Date: 3/22/2010			SeqNo: 2554905			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				

Sample ID: 10030796-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 133590			
Client ID: 26785-Treated-3/19/	Batch ID: R133590				Analysis Date: 3/22/2010			SeqNo: 2554907			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	9.49	1.00						9.460	0.317	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_TSS_M_AT

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MB-R133586		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 133586		
Client ID: ZZZZZZ		Batch ID: R133586			Analysis Date: 3/22/2010			SeqNo: 2554868				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids

< 6

6

Sample ID: LCS-R133586		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 133586		
Client ID: ZZZZZZ		Batch ID: R133586			Analysis Date: 3/22/2010			SeqNo: 2554869				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids

88

6

100.0

0

88.0

85

115

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 133586		
Client ID: ZZZZZZ		Batch ID: R133586			Analysis Date: 3/22/2010			SeqNo: 2554874				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids

87

6

100.0

0

87.0

85

115

Sample ID: 10030796-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 133586		
Client ID: 26785-Treated-3/19/		Batch ID: R133586					Analysis Date: 3/22/2010			SeqNo: 2554876	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids

< 6

6

0

0

15

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_GF_ST

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MB-59189	SampType: MBLK	Units: mg/L	Prep Date: 3/22/2010	RunNo: 133578							
Client ID: ZZZZZZ	Batch ID: 59189	SOP 3044	Analysis Date: 3/22/2010	SeqNo: 2554656							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-59189		SampType: LCS			Units: mg/L		Prep Date: 3/22/2010			RunNo: 133578		
Client ID: ZZZZZZ		Batch ID: 59189			SOP 3044		Analysis Date: 3/22/2010			SeqNo: 2554657		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0175	0.0020	0.01500	0	116.9	80	120			
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Sample ID: 10030796-001CMS		SampType: MS		Units: mg/L		Prep Date: 3/22/2010		RunNo: 133578			
Client ID: 26785-Treated-3/19/		Batch ID: 59189		SOP 3044		Analysis Date: 3/22/2010		SeqNo: 2554659			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0149	0.0020	0.01500	0	99.6	70	130			
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Sample ID: 10030796-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/22/2010			RunNo: 133578		
Client ID: 26785-Treated-3/19/		Batch ID: 59189		SOP 3044		Analysis Date: 3/22/2010			SeqNo: 2554660		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0151	0.0020	0.01500	0	101.0	70	130	0.01494	1.35	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_ICP_ST

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MB-59187	SampType: MBLK	Units: mg/L				Prep Date: 3/22/2010			RunNo: 133555		
Client ID: ZZZZZZ	Batch ID: 59187	SOP 3034				Analysis Date: 3/22/2010			SeqNo: 2554562		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59187	SampType: LCS	Units: mg/L				Prep Date: 3/22/2010			RunNo: 133555		
Client ID: ZZZZZZ	Batch ID: 59187	SOP 3034				Analysis Date: 3/22/2010			SeqNo: 2554564		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.5	85	115				
Barium	1.95	0.0050	2.000	0	97.6	85	115				
Cadmium	0.0514	0.0020	0.05000	0	102.8	85	115				
Chromium	0.204	0.0100	0.2000	0	102.0	85	115				
Selenium	2.11	0.0500	2.000	0	105.4	85	115				
Silver	0.0524	0.0100	0.05000	0	104.8	85	115				

Sample ID: 10030796-001CMS	SampType: MS	Units: mg/L				Prep Date: 3/22/2010			RunNo: 133555		
Client ID: 26785-Treated-3/19/	Batch ID: 59187	SOP 3034				Analysis Date: 3/22/2010			SeqNo: 2554566		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.16	0.0250	2.000	0	107.8	75	125				
Barium	1.92	0.0050	2.000	0.06900	92.4	75	125				
Cadmium	0.0485	0.0020	0.05000	0	97.0	75	125				
Chromium	0.201	0.0100	0.2000	0.006000	97.7	75	125				
Selenium	2.11	0.0500	2.000	0	105.4	75	125				
Silver	0.0504	0.0100	0.05000	0	100.8	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10030796

Report Date: 25-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 10030796-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/22/2010		RunNo: 133555			
Client ID: 26785-Treated-3/19/		Batch ID: 59187		SOP 3034		Analysis Date: 3/22/2010		SeqNo: 2554567			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.16	0.0250	2.000	0	108.1	75	125	2.155	0.324	20	
Barium	1.93	0.0050	2.000	0.06900	93.2	75	125	1.918	0.779	20	
Cadmium	0.0490	0.0020	0.05000	0	98.0	75	125	0.04850	1.03	20	
Chromium	0.208	0.0100	0.2000	0.006000	101.0	75	125	0.2014	3.27	20	
Selenium	2.16	0.0500	2.000	0	108.2	75	125	2.108	2.67	20	
Silver	0.0486	0.0100	0.05000	0	97.2	75	125	0.05040	3.64	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_HG_AQ_S

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MB-59186	SampType: MBLK	Units: mg/L			Prep Date: 3/22/2010			RunNo: 133575			
Client ID: ZZZZZZ	Batch ID: 59186	SOP 3062			Analysis Date: 3/22/2010			SeqNo: 2554591			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-59186	SampType: LCS	Units: mg/L			Prep Date: 3/22/2010			RunNo: 133575			
Client ID: ZZZZZZ	Batch ID: 59186	SOP 3062			Analysis Date: 3/22/2010			SeqNo: 2554592			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00528	0.00020	0.005000	0	105.6	85	115				

Sample ID: 10030796-001CMS		SampType: MS		Units: mg/L		Prep Date: 3/22/2010			RunNo: 133575		
Client ID: 26785-Treated-3/19/		Batch ID: 59186		SOP 3062		Analysis Date: 3/22/2010			SeqNo: 2554594		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00270	0.00020	0.005000	0	54.0	75	125				S

Sample ID: 10030796-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 3/22/2010			RunNo: 133575		
Client ID: 26785-Treated-3/19/	Batch ID: 59186	SOP 3062				Analysis Date: 3/22/2010			SeqNo: 2554595		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00270	0.00020	0.005000	0	54.0	75	125	0.002700	0	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MB-59185	SampType: MBLK	Units: mg/L			Prep Date: 3/19/2010			RunNo: 133579			
Client ID: ZZZZZZ	Batch ID: 59185	SW3510C			Analysis Date: 3/22/2010			SeqNo: 2554675			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0170		0.02500		68.0	41.9	97.9				
Surr: 2-Fluorophenol	0.0218		0.05000		43.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.0218		0.02500		87.1	39.9	106				
Surr: Phenol-d5	0.0131		0.05000		26.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0204		0.02500		81.5	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: LCS-59185		SampType: LCS		Units: mg/L		Prep Date: 3/19/2010		RunNo: 133579			
Client ID: ZZZZZZ		Batch ID: 59185		SW3510C		Analysis Date: 3/22/2010		SeqNo: 2554676			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00411	0.00010	0.005000	0	82.1	50.1	103				
Acenaphthylene	0.00402	0.00010	0.005000	0	80.5	53.3	122				
Anthracene	0.00491	0.00010	0.005000	0	98.2	57.4	110				
Benzo(a)anthracene	0.00405	0.00010	0.005000	0	81.0	56	102				
Benzo(a)pyrene	0.00432	0.00010	0.005000	0	86.5	55.4	125				
Benzo(b)fluoranthene	0.00454	0.00010	0.005000	0	90.7	59.3	127				
Benzo(g,h,i)perylene	0.00458	0.00010	0.005000	0	91.6	58.4	125				
Benzo(k)fluoranthene	0.00439	0.00010	0.005000	0	87.9	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00943	0.00200	0.005000	0	188.6	63.2	152				S
Chrysene	0.00446	0.00010	0.005000	0	89.2	58.7	118				
Dibenzo(a,h)anthracene	0.00463	0.00010	0.005000	0	92.6	59.3	126				
Diethyl phthalate	0.00508	0.00100	0.005000	0	101.5	55.3	133				
Dimethyl phthalate	0.00478	0.00100	0.005000	0	95.6	55.7	112				
Di-n-butyl phthalate	0.00442	0.00100	0.005000	0	88.4	61.5	130				
Fluoranthene	0.00449	0.00010	0.005000	0	89.9	60.1	117				
Fluorene	0.00447	0.00010	0.005000	0	89.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00466	0.00010	0.005000	0	93.2	58.1	123				
m,p-Cresol	0.00262	0.00010	0.005000	0	52.4	17.9	107				
Naphthalene	0.00329	0.00010	0.005000	0	65.9	36.3	97.1				
o-Cresol	0.00254	0.00010	0.005000	0	50.7	20.5	109				
Phenanthrene	0.00420	0.00010	0.005000	0	83.9	55.9	107				
Pyrene	0.00447	0.00010	0.005000	0	89.3	61.4	116				
Surr: 2-Fluorobiphenyl	0.0179		0.02500		71.6	41.9	97.9				
Surr: 2-Fluorophenol	0.0241		0.05000		48.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.0216		0.02500		86.4	39.9	106				
Surr: Phenol-d5	0.0141		0.05000		28.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0206		0.02500		82.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: LCSD-59185		SampType: LCSD		Units: mg/L		Prep Date: 3/19/2010		RunNo: 133579			
Client ID: ZZZZZZ		Batch ID: 59185		SW3510C		Analysis Date: 3/22/2010		SeqNo: 2554677			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00435	0.00010	0.005000	0	86.9	50.1	103	0.004107	5.68	50	
Acenaphthylene	0.00416	0.00010	0.005000	0	83.1	53.3	122	0.004023	3.23	50	
Anthracene	0.00512	0.00010	0.005000	0	102.3	57.4	110	0.004909	4.13	50	
Benzo(a)anthracene	0.00418	0.00010	0.005000	0	83.7	56	102	0.004051	3.23	50	
Benzo(a)pyrene	0.00458	0.00010	0.005000	0	91.5	55.4	125	0.004324	5.66	50	
Benzo(b)fluoranthene	0.00460	0.00010	0.005000	0	92.0	59.3	127	0.004537	1.34	50	
Benzo(g,h,i)perylene	0.00486	0.00010	0.005000	0	97.2	58.4	125	0.004582	5.93	50	
Benzo(k)fluoranthene	0.00454	0.00010	0.005000	0	90.9	61.5	125	0.004393	3.36	50	
Bis(2-ethylhexyl)phthalate	0.00586	0.00200	0.005000	0	117.2	63.2	152	0.009428	46.7	50	
Chrysene	0.00454	0.00010	0.005000	0	90.8	58.7	118	0.004462	1.78	50	
Dibenzo(a,h)anthracene	0.00479	0.00010	0.005000	0	95.9	59.3	126	0.004631	3.46	50	
Diethyl phthalate	0.00530	0.00100	0.005000	0	106.1	55.3	133	0.005075	4.41	40	
Dimethyl phthalate	0.00473	0.00100	0.005000	0	94.5	55.7	112	0.004782	1.18	40	
Di-n-butyl phthalate	0.00454	0.00100	0.005000	0	90.9	61.5	130	0.004421	2.74	50	
Fluoranthene	0.00462	0.00010	0.005000	0	92.4	60.1	117	0.004493	2.79	50	
Fluorene	0.00450	0.00010	0.005000	0	89.9	54.1	110	0.004469	0.625	50	
Indeno(1,2,3-cd)pyrene	0.00480	0.00010	0.005000	0	96.0	58.1	123	0.004661	2.96	50	
m,p-Cresol	0.00266	0.00010	0.005000	0	53.2	17.9	107	0.002621	1.44	50	
Naphthalene	0.00333	0.00010	0.005000	0	66.7	36.3	97.1	0.003294	1.21	50	
o-Cresol	0.00264	0.00010	0.005000	0	52.7	20.5	109	0.002535	3.91	50	
Phenanthrene	0.00441	0.00010	0.005000	0	88.1	55.9	107	0.004197	4.86	50	
Pyrene	0.00453	0.00010	0.005000	0	90.7	61.4	116	0.004467	1.49	50	
Surr: 2-Fluorobiphenyl	0.0180		0.02500		72.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0221		0.05000		44.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0219		0.02500		87.5	39.9	106		0	50	
Surr: Phenol-d5	0.0133		0.05000		26.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0211		0.02500		84.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: LCS-T100319-1		SampType: LCS			Units: µg/L		Prep Date: 3/19/2010			RunNo: 133560	
Client ID: ZZZZZZ		Batch ID: 59199			SW5030		Analysis Date: 3/19/2010			SeqNo: 2554314	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.8	2.0	50.00	0	95.6	82.7	117				
Toluene	49.4	5.0	50.00	0	98.8	79.6	116				
Ethylbenzene	47.4	5.0	50.00	0	94.9	83	113				
Xylenes, Total	145	5.0	150.0	0	96.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	45.7		50.00		91.4	74.7	129				
Surr: 4-Bromofluorobenzene	48.7		50.00		97.4	86	119				
Surr: Dibromofluoromethane	48.9		50.00		97.8	81.7	123				
Surr: Toluene-d8	49.6		50.00		99.1	84.3	114				

Sample ID: LCSD-T100319-1		SampType: LCSD			Units: µg/L		Prep Date: 3/19/2010			RunNo: 133560	
Client ID: ZZZZZZ		Batch ID: 59199			SW5030		Analysis Date: 3/19/2010			SeqNo: 2554315	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.5	2.0	50.00	0	92.9	82.7	117	47.78	2.80	20	
Toluene	47.6	5.0	50.00	0	95.1	79.6	116	49.42	3.84	20	
Ethylbenzene	47.5	5.0	50.00	0	95.0	83	113	47.45	0.126	20	
Xylenes, Total	142	5.0	150.0	0	94.8	80.3	120	145.0	1.87	0	
Surr: 1,2-Dichloroethane-d4	45.3		50.00		90.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.7		50.00		103.3	86	119		0	0	
Surr: Dibromofluoromethane	48.4		50.00		96.8	81.7	123		0	0	
Surr: Toluene-d8	48.3		50.00		96.5	84.3	114		0	0	

Sample ID: MBLK-T100319-1		SampType: MBLK			Units: µg/L		Prep Date: 3/19/2010			RunNo: 133560	
Client ID: ZZZZZZ		Batch ID: 59199			SW5030		Analysis Date: 3/19/2010			SeqNo: 2554316	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 10030796

Report Date: 25-Mar-10

Sample ID: MBLK-T100319-1	SampType: MBLK	Units: µg/L			Prep Date: 3/19/2010			RunNo: 133560			
Client ID: ZZZZZZ	Batch ID: 59199	SW5030			Analysis Date: 3/19/2010			SeqNo: 2554316			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.8		50.00		87.7	74.7	129				
Surr: 4-Bromofluorobenzene	53.0		50.00		106.0	86	119				
Surr: Dibromofluoromethane	49.9		50.00		99.7	81.7	123				
Surr: Toluene-d8	48.9		50.00		97.8	84.3	114				

Sample ID: 10030796-001EMS	SampType: MS	Units: µg/L				Prep Date: 3/19/2010			RunNo: 133560		
Client ID: 26785-Treated-3/19/	Batch ID: 59199	SW5030				Analysis Date: 3/19/2010			SeqNo: 2554325		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	55.6	2.0	56.00	0	99.4	57.8	125				
Toluene	58.2	5.0	56.00	0	103.8	75.8	123				
Ethylbenzene	63.8	5.0	56.00	0	113.9	72.8	123				
Xylenes, Total	120	5.0	112.0	0	107.0	73	127				
Surr: 1,2-Dichloroethane-d4	43.6		50.00		87.1	74.7	129				
Surr: 4-Bromofluorobenzene	53.7		50.00		107.4	86	119				
Surr: Dibromofluoromethane	48.0		50.00		95.9	81.7	123				
Surr: Toluene-d8	47.7		50.00		95.4	84.3	114				

Sample ID: 10030796-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 3/19/2010			RunNo: 133560		
Client ID: 26785-Treated-3/19/	Batch ID: 59199	SW5030				Analysis Date: 3/19/2010			SeqNo: 2554326		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54.2	2.0	56.00	0	96.8	57.8	125	55.65	2.60	20	
Toluene	61.4	5.0	56.00	0	109.6	75.8	123	58.15	5.37	20	
Ethylbenzene	63.6	5.0	56.00	0	113.5	72.8	123	63.77	0.346	20	
Xylenes, Total	123	5.0	112.0	0	109.9	73	127	119.9	2.61	20	
Surr: 1,2-Dichloroethane-d4	44.2		50.00		88.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	55.8		50.00		111.6	86	119		0	0	
Surr: Dibromofluoromethane	49.1		50.00		98.1	81.7	123		0	0	
Surr: Toluene-d8	48.2		50.00		96.5	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10030796

Report Date: 25-Mar-10

Carrier: Leslie Hoosier

Received By: DB

Completed by:

On:

19-Mar-10

Dawn Brantley

Reviewed by:

On:

19-Mar-10

Heather A. White

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 9.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

March 29, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10030836

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 3/22/2010 4:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10030836

Report Date: 29-Mar-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10030836-001	26785-treated-3/22/10	5	3/22/2010 9:40:00 AM
10030836-002	4091-treated-3/22/10	4	3/22/2010 9:50:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10030836

Report Date: 29-Mar-10

Cooler Receipt Temp: 4.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030836

Lab ID: 10030836-001

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-treated-3/22/10

Collection Date: 3/22/2010 9:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.56		1	3/22/2010 5:23:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	3/23/2010 8:50:00 AM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		149	mg/L	1	3/22/2010 5:40:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/23/2010 12:38:22 PM	LAL
Barium	NELAP	0.0050		0.0669	mg/L	1	3/23/2010 12:38:22 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	3/23/2010 12:38:22 PM	LAL
Chromium	NELAP	0.0100	J	0.0052	mg/L	1	3/23/2010 12:38:22 PM	LAL
Selenium	NELAP	0.0500	J	0.029	mg/L	1	3/23/2010 12:38:22 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/23/2010 12:38:22 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	3/23/2010 2:22:16 PM	JMW
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Diethyl phthalate	NELAP	0.00100	J	0.00088	mg/L	1	3/23/2010 9:54:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00038	mg/L	1	3/23/2010 9:54:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00020	mg/L	1	3/23/2010 9:54:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	3/23/2010 9:54:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030836

Lab ID: 10030836-001

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-treated-3/22/10

Collection Date: 3/22/2010 9:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		72.6	%REC	1	3/23/2010 9:54:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		47.1	%REC	1	3/23/2010 9:54:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		85.0	%REC	1	3/23/2010 9:54:00 AM	MAV
Surr: Phenol-d5		11-42.8		26.2	%REC	1	3/23/2010 9:54:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		73.4	%REC	1	3/23/2010 9:54:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	3/22/2010 6:15:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/22/2010 6:15:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/22/2010 6:15:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/22/2010 6:15:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		99.8	%REC	1	3/22/2010 6:15:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		108.8	%REC	1	3/22/2010 6:15:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		99.0	%REC	1	3/22/2010 6:15:00 PM	TAL
Surr: Toluene-d8		84.3-114		98.7	%REC	1	3/22/2010 6:15:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	3/23/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	3/23/2010 8:49:12 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350		2.24	mg/L	50	3/23/2010 8:49:12 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030836

Lab ID: 10030836-002

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-3/22/10

Collection Date: 3/22/2010 9:50:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/23/2010 12:58:41 PM	LAL
Barium	NELAP	0.0050		0.0849	mg/L	1	3/23/2010 12:58:41 PM	LAL
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	3/23/2010 12:58:41 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	3/23/2010 12:58:41 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	3/23/2010 12:58:41 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/23/2010 12:58:41 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	3/23/2010 2:32:24 PM	JMW
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0011	mg/L	1	3/23/2010 10:30:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Diethyl phthalate	NELAP	0.00100	J	0.00089	mg/L	1	3/23/2010 10:30:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	3/23/2010 10:30:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		66.6	%REC	1	3/23/2010 10:30:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		45.5	%REC	1	3/23/2010 10:30:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		81.6	%REC	1	3/23/2010 10:30:00 AM	MAV
Surr: Phenol-d5		11-42.8		25.6	%REC	1	3/23/2010 10:30:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		76.8	%REC	1	3/23/2010 10:30:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030836

Lab ID: 10030836-002

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-3/22/10

Collection Date: 3/22/2010 9:50:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	3/22/2010 6:45:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/22/2010 6:45:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/22/2010 6:45:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/22/2010 6:45:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		100.7	%REC	1	3/22/2010 6:45:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		108.0	%REC	1	3/22/2010 6:45:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		98.8	%REC	1	3/22/2010 6:45:00 PM	TAL
Surr: Toluene-d8		84.3-114		97.9	%REC	1	3/22/2010 6:45:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	3/23/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		< 0.500	mg/L	50	3/23/2010 8:49:12 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	2.04	mg/L	50	3/23/2010 8:49:12 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10030836-001A	26785-treated-3/22/10	3/22/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/22/2010 5:40:42 PM	3/23/2010 9:54:00 AM
10030836-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		3/22/2010 5:23:00 PM
				Standard Methods 18th Ed. 2540 D		3/23/2010 8:50:00 AM
				Standard Methods 18th Ed. 5210 B	3/22/2010 5:40:00 PM	3/22/2010 5:40:00 PM
10030836-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	3/23/2010 8:32:01 AM	3/23/2010 12:38:22 PM
				SW-846 3020A, Metals by GFAA (Total)	3/23/2010 8:30:06 AM	3/23/2010 2:22:16 PM
				SW-846 7470A (Total)	3/23/2010 8:31:31 AM	3/23/2010
10030836-001D				SW-846 9012A		3/23/2010 8:49:12 AM
				SW-846 9012A (Total)		3/23/2010 8:49:12 AM
10030836-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		3/22/2010 6:15:00 PM
10030836-002A	4091-treated-3/22/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/22/2010 5:40:42 PM	3/23/2010 10:30:00 AM
10030836-002B				SW-846 3005A, 6010B, Metals by ICP (Total)	3/23/2010 8:32:01 AM	3/23/2010 12:58:41 PM
				SW-846 3020A, Metals by GFAA (Total)	3/23/2010 8:30:06 AM	3/23/2010 2:32:24 PM
				SW-846 7470A (Total)	3/23/2010 8:31:31 AM	3/23/2010
10030836-002C				SW-846 9012A		3/23/2010 8:49:12 AM
				SW-846 9012A (Total)		3/23/2010 8:49:12 AM
10030836-002D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		3/22/2010 6:45:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10030836

Report Date: 29-Mar-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R133625		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ		Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556006	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R133625		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ		Batch ID: R133625			Analysis Date: 3/23/2010			SeqNo: 2556007				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
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Sample ID: 10030836-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 133625		
Client ID: 26785-treated-3/22/1		Batch ID: R133625			Analysis Date: 3/23/2010			SeqNo: 2556009				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ		Batch ID: R133625			Analysis Date: 3/23/2010			SeqNo: 2556025				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	88	6	100.0	0	88.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010				SeqNo: 2556452		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	86	6	100.0	0	86.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	85	6	100.0	0	85.0	85	115				

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ		Batch ID: R133625			Analysis Date: 3/23/2010			SeqNo: 2556486				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	89	6	100.0	0	89.0	85	115					

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556499		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	91	6	100.0	0	91.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCS-R133590		SampType: LCS			Units:		Prep Date:			RunNo: 133590		
Client ID: ZZZZZZ		Batch ID: R133590			Analysis Date: 3/22/2010			SeqNo: 2554905				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10030836-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 133590			
Client ID: 26785-treated-3/22/1		Batch ID: R133590				Analysis Date: 3/22/2010		SeqNo: 2555320			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.55	1.00						9.560	0.105	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCS-59242		SampType: LCS			Units: mg/L		Prep Date: 3/22/2010			RunNo: 133786		
Client ID: ZZZZZZ		Batch ID: 59242			SOP 2030		Analysis Date: 3/22/2010			SeqNo: 2559930		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Biochemical Oxygen Demand	186	5	198.0	0	93.9	84.6	115.4
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Sample ID: LCSQC-59242		SampType: LCSQC		Units: mg/L		Prep Date: 3/22/2010			RunNo: 133786		
Client ID: ZZZZZZ		Batch ID: 59242		SOP 2030		Analysis Date: 3/22/2010			SeqNo: 2559931		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	97	5	108.0	0	89.8	68.6	128.7
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Sample ID: 10030836-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 3/22/2010			RunNo: 133786		
Client ID: 26785-treated-3/22/1		Batch ID: 59242		SOP 2030		Analysis Date: 3/22/2010			SeqNo: 2559944		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	148	5						149.0	0.673	40
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: MB-59219		SampType: MBLK		Units: mg/L		Prep Date: 3/23/2010		RunNo: 133613			
Client ID: ZZZZZZ		Batch ID: 59219		SOP 3034		Analysis Date: 3/23/2010		SeqNo: 2555727			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59219		SampType: LCS		Units: mg/L		Prep Date: 3/23/2010		RunNo: 133613			
Client ID: ZZZZZZ		Batch ID: 59219		SOP 3034		Analysis Date: 3/23/2010		SeqNo: 2555907			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	85	115				
Barium	1.98	0.0050	2.000	0	98.9	85	115				
Cadmium	0.0531	0.0020	0.05000	0	106.2	85	115				
Chromium	0.208	0.0100	0.2000	0	104.2	85	115				
Selenium	2.18	0.0500	2.000	0	108.8	85	115				
Silver	0.0532	0.0100	0.05000	0	106.4	85	115				

Sample ID: MB-59219		SampType: MBLK		Units: mg/L		Prep Date: 3/23/2010		RunNo: 133613			
Client ID: ZZZZZZ		Batch ID: 59219		SOP 3034		Analysis Date: 3/23/2010		SeqNo: 2555728			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCS-59219	SampType: LCS	Units: mg/L				Prep Date: 3/23/2010			RunNo: 133613		
Client ID: ZZZZZZ	Batch ID: 59219	SOP 3034				Analysis Date: 3/23/2010			SeqNo: 2555908		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	85	115				
Barium	1.98	0.0050	2.000	0	98.9	85	115				
Cadmium	0.0531	0.0020	0.05000	0	106.2	85	115				
Chromium	0.208	0.0100	0.2000	0	104.2	85	115				
Selenium	2.18	0.0500	2.000	0	108.8	85	115				
Silver	0.0532	0.0100	0.05000	0	106.4	85	115				

Sample ID: 10030836-001CMS	SampType: MS	Units: mg/L				Prep Date: 3/23/2010			RunNo: 133613		
Client ID: 26785-treated-3/22/1	Batch ID: 59219	SOP 3034				Analysis Date: 3/23/2010			SeqNo: 2555910		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.21	0.0250	2.000	0	110.4	75	125				
Barium	1.95	0.0050	2.000	0.06690	94.2	75	125				
Cadmium	0.0504	0.0020	0.05000	0	100.8	75	125				
Chromium	0.205	0.0100	0.2000	0.005200	99.8	75	125				
Selenium	2.24	0.0500	2.000	0.02870	110.7	75	125				
Silver	0.0513	0.0100	0.05000	0	102.6	75	125				

Sample ID: 10030836-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 3/23/2010			RunNo: 133613		
Client ID: 26785-treated-3/22/1	Batch ID: 59219	SOP 3034				Analysis Date: 3/23/2010			SeqNo: 2555911		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	75	125	2.207	1.60	20	
Barium	1.93	0.0050	2.000	0.06690	93.2	75	125	1.951	1.08	20	
Cadmium	0.0499	0.0020	0.05000	0	99.8	75	125	0.05040	0.997	20	
Chromium	0.204	0.0100	0.2000	0.005200	99.6	75	125	0.2048	0.244	20	
Selenium	2.22	0.0500	2.000	0.02870	109.3	75	125	2.242	1.21	20	
Silver	0.0483	0.0100	0.05000	0	96.6	75	125	0.05130	6.02	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: MB-59209		SampType: MBLK		Units: mg/L		Prep Date: 3/22/2010			RunNo: 133628		
Client ID: ZZZZZZ		Batch ID: 59209		SOP 3044		Analysis Date: 3/23/2010			SeqNo: 2556060		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-59209		SampType: LCS		Units: mg/L		Prep Date: 3/22/2010			RunNo: 133628		
Client ID: ZZZZZZ		Batch ID: 59209		SOP 3044		Analysis Date: 3/23/2010			SeqNo: 2556061		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0131	0.0020	0.01500	0	87.1	80	120			
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Sample ID: 10030836-001CMS	SampType: MS	Units: mg/L			Prep Date: 3/23/2010			RunNo: 133628			
Client ID: 26785-treated-3/22/1	Batch ID: 59209	SOP 3044			Analysis Date: 3/23/2010			SeqNo: 2556063			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0113	0.0020	0.01500	0	75.4	70	130			
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Sample ID: 10030836-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133628		
Client ID: 26785-treated-3/22/1		Batch ID: 59209		SOP 3044		Analysis Date: 3/23/2010			SeqNo: 2556064		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0117	0.0020	0.01500	0	78.2	70	130	0.01130	3.65	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: MB-59223		SampType: MBLK		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133620		
Client ID: ZZZZZZ		Batch ID: 59223		SOP 3062		Analysis Date: 3/23/2010			SeqNo: 2555825		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-59223		SampType: LCS		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133620		
Client ID: ZZZZZZ		Batch ID: 59223		SOP 3062		Analysis Date: 3/23/2010			SeqNo: 2555826		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00504	0.00020	0.005000	0	100.8	85	115				
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Sample ID: 10030836-002BMS	SampType: MS	Units: mg/L	Prep Date: 3/23/2010	RunNo: 133620							
Client ID: 4091-treated-3/22/10	Batch ID: 59223	SOP 3062	Analysis Date: 3/23/2010	SeqNo: 2555829							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00390	0.00020	0.005000	0	78.0	75	125				
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Sample ID: 10030836-002BMSD		SampType: MSD		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133620		
Client ID: 4091-treated-3/22/10		Batch ID: 59223		SOP 3062		Analysis Date: 3/23/2010			SeqNo: 2555830		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00380	0.00020	0.005000	0	76.0	75	125	0.003900	2.60	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCS-R100322-1		SampType: LCS		Units: µg/L		Prep Date: 3/22/2010		RunNo: 133610			
Client ID: ZZZZZZ		Batch ID: 59236		SW5030		Analysis Date: 3/22/2010		SeqNo: 2555566			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.0	2.0	50.00	0	100.1	82.7	117				
Ethylbenzene	48.2	5.0	50.00	0	96.3	83	113				
Toluene	50.7	5.0	50.00	0	101.4	79.6	116				
Xylenes, Total	149	5.0	150.0	0	99.7	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.3	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119				
Surr: Dibromofluoromethane	48.8		50.00		97.5	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.7	84.3	114				

Sample ID: LCSD-R100322-1		SampType: LCSD		Units: µg/L		Prep Date: 3/22/2010		RunNo: 133610			
Client ID: ZZZZZZ		Batch ID: 59236		SW5030		Analysis Date: 3/22/2010		SeqNo: 2555567			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.1	2.0	50.00	0	98.2	82.7	117	50.05	1.94	20	
Ethylbenzene	48.6	5.0	50.00	0	97.2	83	113	48.17	0.889	20	
Toluene	49.2	5.0	50.00	0	98.3	79.6	116	50.68	3.02	20	
Xylenes, Total	146	5.0	150.0	0	97.5	80.3	120	149.5	2.22	20	
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.1		50.00		100.1	86	119		0	0	
Surr: Dibromofluoromethane	49.4		50.00		98.8	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114		0	0	

Sample ID: MBLK-R100322-1		SampType: MBLK		Units: µg/L		Prep Date: 3/22/2010		RunNo: 133610			
Client ID: ZZZZZZ		Batch ID: 59236		SW5030		Analysis Date: 3/22/2010		SeqNo: 2555568			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: MBLK-R100322-1		SampType: MBLK		Units: µg/L		Prep Date: 3/22/2010				RunNo: 133610		
Client ID: ZZZZZZ		Batch ID: 59236		SW5030		Analysis Date: 3/22/2010				SeqNo: 2555568		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.4		50.00		100.9	74.7	129				
Surr: 4-Bromofluorobenzene	52.3		50.00		104.7	86	119				
Surr: Dibromofluoromethane	48.9		50.00		97.8	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.4	84.3	114				

Sample ID: 10030836-002DMS		SampType: MS		Units: µg/L		Prep Date: 3/22/2010		RunNo: 133610			
Client ID: 4091-treated-3/22/10		Batch ID: 59236		SW5030		Analysis Date: 3/22/2010		SeqNo: 2555613			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	55.4	2.0	54.00	0	102.5	57.8	125				
Toluene	55.8	5.0	54.00	0	103.4	75.8	123				
Ethylbenzene	54.8	5.0	54.00	0	101.4	72.8	123				
Xylenes, Total	108	5.0	108.0	0	100.1	73	127				
Surr: 1,2-Dichloroethane-d4	51.7		50.00		103.5	74.7	129				
Surr: 4-Bromofluorobenzene	52.8		50.00		105.6	86	119				
Surr: Dibromofluoromethane	49.1		50.00		98.2	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: 10030836-002DMSD		SampType: MSD		Units: µg/L		Prep Date: 3/22/2010			RunNo: 133610		
Client ID: 4091-treated-3/22/10		Batch ID: 59236		SW5030		Analysis Date: 3/22/2010			SeqNo: 2555614		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	56.0	2.0	54.00	0	103.6	57.8	125	55.35	1.10	20	
Toluene	55.7	5.0	54.00	0	103.2	75.8	123	55.81	0.179	20	
Ethylbenzene	54.8	5.0	54.00	0	101.5	72.8	123	54.78	0.0912	20	
Xylenes, Total	107	5.0	108.0	0	98.9	73	127	108.1	1.25	20	
Surr: 1,2-Dichloroethane-d4	51.3		50.00		102.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.4		50.00		104.8	86	119		0	0	
Surr: Dibromofluoromethane	49.7		50.00		99.5	81.7	123		0	0	
Surr: Toluene-d8	47.4		50.00		94.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: MB-59215	SampType: MBLK	Units: mg/L	Prep Date: 3/22/2010	RunNo: 133604							
Client ID: ZZZZZZ	Batch ID: 59215	SW3510C	Analysis Date: 3/23/2010	SeqNo: 2555526							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00239		0.005000		47.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00419		0.01000		41.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00368		0.005000		73.6	39.9	106				
Surr: Phenol-d5	0.00256		0.01000		25.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00384		0.005000		76.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCS-59215	SampType: LCS	Units: mg/L			Prep Date: 3/22/2010			RunNo: 133604			
Client ID: ZZZZZZ	Batch ID: 59215	SW3510C			Analysis Date: 3/23/2010			SeqNo: 2555646			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00389	0.00010	0.005000	0	77.8	50.1	103				
Acenaphthylene	0.00384	0.00010	0.005000	0	76.8	53.3	122				
Anthracene	0.00505	0.00010	0.005000	0	101.0	57.4	110				
Benzo(a)anthracene	0.00405	0.00010	0.005000	0	81.1	56	102				
Benzo(a)pyrene	0.00444	0.00010	0.005000	0	88.7	55.4	125				
Benzo(b)fluoranthene	0.00445	0.00010	0.005000	0	88.9	59.3	127				
Benzo(g,h,i)perylene	0.00466	0.00010	0.005000	0	93.1	58.4	125				
Benzo(k)fluoranthene	0.00451	0.00010	0.005000	0	90.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00506	0.00200	0.005000	0	101.2	63.2	152				
Chrysene	0.00440	0.00010	0.005000	0	88.1	58.7	118				
Dibenzo(a,h)anthracene	0.00464	0.00010	0.005000	0	92.8	59.3	126				
Diethyl phthalate	0.00483	0.00100	0.005000	0	96.6	55.3	133				
Dimethyl phthalate	0.00469	0.00100	0.005000	0	93.9	55.7	112				
Di-n-butyl phthalate	0.00444	0.00100	0.005000	0	88.9	61.5	130				
Fluoranthene	0.00446	0.00010	0.005000	0	89.3	60.1	117				
Fluorene	0.00445	0.00010	0.005000	0	88.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00464	0.00010	0.005000	0	92.9	58.1	123				
m,p-Cresol	0.00326	0.00010	0.005000	0	65.1	17.9	107				
Naphthalene	0.00334	0.00010	0.005000	0	66.9	36.3	97.1				
o-Cresol	0.00324	0.00010	0.005000	0	64.8	20.5	109				
Phenanthrene	0.00428	0.00010	0.005000	0	85.5	55.9	107				
Pyrene	0.00448	0.00010	0.005000	0	89.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00272		0.005000		54.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00470		0.01000		47.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00368		0.005000		73.6	39.9	106				
Surr: Phenol-d5	0.00279		0.01000		27.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00391		0.005000		78.2	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: LCSD-59215		SampType: LCSD		Units: mg/L		Prep Date: 3/22/2010		RunNo: 133604			
Client ID: ZZZZZZ		Batch ID: 59215		SW3510C		Analysis Date: 3/23/2010		SeqNo: 2555647			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00399	0.00010	0.005000	0	79.9	50.1	103	0.003892	2.59	50	
Acenaphthylene	0.00386	0.00010	0.005000	0	77.3	53.3	122	0.003840	0.623	50	
Anthracene	0.00493	0.00010	0.005000	0	98.6	57.4	110	0.005051	2.38	50	
Benzo(a)anthracene	0.00414	0.00010	0.005000	0	82.8	56	102	0.004053	2.17	50	
Benzo(a)pyrene	0.00446	0.00010	0.005000	0	89.3	55.4	125	0.004435	0.652	50	
Benzo(b)fluoranthene	0.00451	0.00010	0.005000	0	90.2	59.3	127	0.004446	1.43	50	
Benzo(g,h,i)perylene	0.00470	0.00010	0.005000	0	94.0	58.4	125	0.004656	0.962	50	
Benzo(k)fluoranthene	0.00450	0.00010	0.005000	0	89.9	61.5	125	0.004510	0.311	50	
Bis(2-ethylhexyl)phthalate	0.00541	0.00200	0.005000	0	108.1	63.2	152	0.005060	6.61	50	
Chrysene	0.00444	0.00010	0.005000	0	88.9	58.7	118	0.004405	0.881	50	
Dibenzo(a,h)anthracene	0.00464	0.00010	0.005000	0	92.9	59.3	126	0.004639	0.0862	50	
Diethyl phthalate	0.00494	0.00100	0.005000	0	98.8	55.3	133	0.004828	2.31	40	
Dimethyl phthalate	0.00474	0.00100	0.005000	0	94.8	55.7	112	0.004694	0.954	40	
Di-n-butyl phthalate	0.00437	0.00100	0.005000	0	87.4	61.5	130	0.004445	1.72	50	
Fluoranthene	0.00446	0.00010	0.005000	0	89.3	60.1	117	0.004464	0	50	
Fluorene	0.00455	0.00010	0.005000	0	90.9	54.1	110	0.004447	2.18	50	
Indeno(1,2,3-cd)pyrene	0.00462	0.00010	0.005000	0	92.4	58.1	123	0.004645	0.496	50	
m,p-Cresol	0.00315	0.00010	0.005000	0	63.0	17.9	107	0.003255	3.31	50	
Naphthalene	0.00321	0.00010	0.005000	0	64.3	36.3	97.1	0.003344	4.00	50	
o-Cresol	0.00319	0.00010	0.005000	0	63.9	20.5	109	0.003240	1.46	50	
Phenanthrene	0.00432	0.00010	0.005000	0	86.4	55.9	107	0.004276	1.02	50	
Pyrene	0.00439	0.00010	0.005000	0	87.8	61.4	116	0.004483	2.07	50	
Surr: 2-Fluorobiphenyl	0.00273		0.005000		54.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00472		0.01000		47.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00382		0.005000		76.4	39.9	106		0	50	
Surr: Phenol-d5	0.00281		0.01000		28.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00367		0.005000		73.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10030836

Report Date: 29-Mar-10

Sample ID: MB-R133609		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 133609		
Client ID: ZZZZZZ		Batch ID: R133609			Analysis Date: 3/22/2010			SeqNo: 2555580				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R133609		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 133609		
Client ID: ZZZZZZ		Batch ID: R133609			Analysis Date: 3/22/2010			SeqNo: 2555581				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.101	0.007	0.1000	0	101.1	85	115				
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Sample ID: MB-R133609	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 133609			
Client ID: ZZZZZZ	Batch ID: R133609				Analysis Date: 3/23/2010			SeqNo: 2555604			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R133609		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 133609		
Client ID: ZZZZZZ		Batch ID: R133609			Analysis Date: 3/23/2010			SeqNo: 2555605				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.094	0.007	0.1000	0	94.2	85	115				
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Sample ID: 10030836-002CMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 133609		
Client ID: 4091-treated-3/22/10		Batch ID: R133609						Analysis Date: 3/23/2010			SeqNo: 2555617	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	1.95	0.350	2.500	2.041	-3.6	75	125				S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10030836

Report Date: 29-Mar-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: 10030836-002CMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 133609			
Client ID: 4091-treated-3/22/10		Batch ID: R133609				Analysis Date: 3/23/2010		SeqNo: 2555618			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	2.09	0.350	2.500	2.041	2.1	75	125	1.952	7.04	15	S

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10030836

Report Date: 29-Mar-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

22-Mar-10

Dawn Brantley

Reviewed by:

On:

22-Mar-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Insufficient sample volume received for 4091-treated-3/22/10 (unpreserved). Per Pete Sazama, client will recollect for BOD, TSS and pH analyses. Proceed with all other analyses from the containers provided. DB/HAW 3/22/10



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09596

10030836

Project Name: Ameren Campaign Project Mgr.: Pete Szazama		Project Number: 624-0908-0120 Cost Code: J0002		Analyses by Method Name and Number		
Laboratory	Sampler(s): J. Compton/J. Blanton	Name: Teklab	Location:	Matrix		Total Number of Containers
				Soil	Water	
Sample Number and (depth)		Date	Time	Other *	Comments (Field PID)	Lab ID #'s
26785 - treated - 3/22/10		3-22-10	0940	X		
4091 - treated - 3/22/10		"	0950	X		002
Pete Szazama said not to worry about BOD, TSS, and PH on 4091 - treated - 3/22/10. DB 3/22/10						
1 DAY						
Teklab, Inc. Courier Pick Up						

Samples Iced:	Yes	No
Preservatives (ONLY for Water Samples)		
☐ Volatile Organics		Hydrochloric acid (HCl)
☐ VOC Soil (5035)		Sodium Bisulfate/Methanol
☐ TPH		Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals		Nitric acid (NaOH)
☐ Cyanide		Sodium hydroxide
☐ Other (Specify)		
Lab Directives:		
Requested TAT:	☒ Rush	☐ 5 Days
Fax and/or Mail Results to:	P Szazama and L Heesler	
Send Invoice to:		
QC Deliverable Requested:	☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:		
Reporting Limits:		
* Special:		

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
		3-22-10	13:05		3/22/10
		3/22/10	16:00		3/22/10

March 29, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10030883

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 3/23/2010 1:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10030883

Report Date: 29-Mar-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10030883-001	4091-Treated-3/22/10	1	3/23/2010 7:30:00 AM
10030883-002	4047-Treated-3/23/10	5	3/23/2010 10:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10030883

Report Date: 29-Mar-10

Cooler Receipt Temp: 2.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030883

Lab ID: 10030883-001

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-Treated-3/22/10

Collection Date: 3/23/2010 7:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.87		1	3/23/2010 6:14:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	3/23/2010 3:30:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		59	mg/L	1	3/24/2010 3:00:00 PM	AKG

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030883

Lab ID: 10030883-002

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4047-Treated-3/23/10

Collection Date: 3/23/2010 10:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.27		1	3/23/2010 6:14:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		172	mg/L	1	3/23/2010 3:30:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	3/24/2010 3:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/24/2010 9:43:19 AM	LAL
Barium	NELAP	0.0050		0.0739	mg/L	1	3/24/2010 9:43:19 AM	LAL
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	3/24/2010 9:43:19 AM	LAL
Chromium	NELAP	0.0100	J	0.0046	mg/L	1	3/24/2010 9:43:19 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	3/24/2010 9:43:19 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/24/2010 9:43:19 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0027	mg/L	1	3/24/2010 11:42:04 AM	JMW
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00011	mg/L	1	3/23/2010 8:32:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Fluoranthene	NELAP	0.00010		0.00021	mg/L	1	3/23/2010 8:32:00 PM	DMH
Fluorene	NELAP	0.00010		0.00016	mg/L	1	3/23/2010 8:32:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
m,p-Cresol	NELAP	0.00010		0.00017	mg/L	1	3/23/2010 8:32:00 PM	DMH
Naphthalene	NELAP	0.00010		0.00090	mg/L	1	3/23/2010 8:32:00 PM	DMH
o-Cresol	NELAP	0.00010		0.00037	mg/L	1	3/23/2010 8:32:00 PM	DMH
Phenanthrene	NELAP	0.00010		0.00041	mg/L	1	3/23/2010 8:32:00 PM	DMH
Pyrene	NELAP	0.00010		0.00020	mg/L	1	3/23/2010 8:32:00 PM	DMH
Total PNAs except Naphthalene		0.00013		0.0484	mg/L	1	3/23/2010 8:32:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030883

Lab ID: 10030883-002

Report Date: 29-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4047-Treated-3/23/10

Collection Date: 3/23/2010 10:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		64.4	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		20.8	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: Nitrobenzene-d5		37.6-105	SE	1074	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: Phenol-d5		11-42.8	S	0.5	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		57.6	%REC	1	3/23/2010 8:32:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		89.9	%REC	1	3/23/2010 4:15:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		100.8	%REC	1	3/23/2010 4:15:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		97.0	%REC	1	3/23/2010 4:15:00 PM	TAL
Surr: Toluene-d8		84.3-114		84.9	%REC	1	3/23/2010 4:15:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	3/24/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	3/24/2010 8:32:10 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	3/24/2010 8:32:10 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

Surrogate recovery was outside QC limits due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10030883-001A	4091-Treated-3/22/10	3/23/2010	Aqueous	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		3/23/2010 6:14:00 PM
				Standard Methods 18th Ed. 2540 D		3/23/2010 3:30:00 PM
				Standard Methods 18th Ed. 5210 B	3/24/2010 3:00:00 PM	3/24/2010 3:00:00 PM
10030883-002A	4047-Treated-3/23/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/23/2010 3:15:56 PM	3/23/2010 8:32:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/23/2010 3:15:56 PM	3/24/2010 9:58:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/23/2010 3:15:56 PM	3/24/2010 11:53:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/23/2010 3:15:56 PM	3/24/2010 12:30:00 PM
10030883-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		3/23/2010 6:14:00 PM
				Standard Methods 18th Ed. 2540 D		3/23/2010 3:30:00 PM
				Standard Methods 18th Ed. 5210 B	3/24/2010 3:00:00 PM	3/24/2010 3:00:00 PM
10030883-002C				SW-846 3005A, 6010B, Metals by ICP (Total)	3/23/2010 2:30:00 PM	3/24/2010 9:43:19 AM
				SW-846 3020A, Metals by GFAA (Total)	3/23/2010 2:30:31 PM	3/24/2010 11:31:58 AM
				SW-846 3020A, Metals by GFAA (Total)	3/23/2010 2:30:31 PM	3/24/2010 11:42:04 AM
				SW-846 7470A (Total)	3/23/2010 2:11:36 PM	3/24/2010
10030883-002D				SW-846 9012A		3/24/2010 8:32:10 AM
				SW-846 9012A (Total)		3/24/2010 8:32:10 AM
10030883-002E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		3/23/2010 4:15:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MB-R133667		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 133667		
Client ID: ZZZZZZ		Batch ID: R133667					Analysis Date: 3/24/2010			SeqNo: 2557070	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R133667		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 133667		
Client ID: ZZZZZZ		Batch ID: R133667			Analysis Date: 3/24/2010			SeqNo: 2557071				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.105	0.007	0.1000	0	105.3	85	115				
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Sample ID: 10030883-002DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 133667		
Client ID: 4047-Treated-3/23/1		Batch ID: R133667					Analysis Date: 3/24/2010			SeqNo: 2557074	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007	0.05000	0	0	75	125				S
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Sample ID: 10030883-002DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 133667		
Client ID: 4047-Treated-3/23/1		Batch ID: R133667					Analysis Date: 3/24/2010			SeqNo: 2557075	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007	0.05000	0	0	75	125	0	0	15	S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10030883

Report Date: 29-Mar-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-59283	SampType: LCS	Units: mg/L				Prep Date: 3/24/2010		RunNo: 133826			
Client ID: ZZZZZZ	Batch ID: 59283	SOP 2030				Analysis Date: 3/24/2010		SeqNo: 2560740			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	183	5	198.0	0	92.4	84.6	115.4				

Sample ID: LCSQC-59283	SampType: LCSQC	Units: mg/L				Prep Date: 3/24/2010		RunNo: 133826			
Client ID: ZZZZZZ	Batch ID: 59283	SOP 2030				Analysis Date: 3/24/2010		SeqNo: 2560741			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	30	5	34.50	0	87.0	64.1	129.6				

Sample ID: 10030883-001A-DUP	SampType: DUP	Units: mg/L				Prep Date: 3/24/2010		RunNo: 133826			
Client ID: 4091-Treated-3/22/1	Batch ID: 59283	SOP 2030				Analysis Date: 3/24/2010		SeqNo: 2560780			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	62	5						59.00	4.96	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_PH_M_AT_NF

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: LCS-R133636	SampType: LCS	Units:			Prep Date:			RunNo: 133636			
Client ID: ZZZZZZ	Batch ID: R133636				Analysis Date: 3/23/2010			SeqNo: 2556323			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				

Sample ID: 10030883-002BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 133636			
Client ID: 4047-Treated-3/23/1	Batch ID: R133636				Analysis Date: 3/23/2010			SeqNo: 2557156			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.29	1.00						7.270	0.275	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_TSS_M_AT

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MB-R133625	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556006		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R133625	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556007		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	87	6	100.0	0	87.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556025		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556452		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	86	6	100.0	0	86.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	85	6	100.0	0	85.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 133625		
Client ID: ZZZZZZ	Batch ID: R133625					Analysis Date: 3/23/2010			SeqNo: 2556486		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_TSS_M_AT

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 133625			
Client ID: ZZZZZZ	Batch ID: R133625				Analysis Date: 3/23/2010			SeqNo: 2556486			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	89	6	100.0	0	89.0	85	115				

Sample ID: 10030883-002BDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 133625			
Client ID: 4047-Treated-3/23/1	Batch ID: R133625				Analysis Date: 3/23/2010			SeqNo: 2556498			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	169	6						172.0	1.76	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 133625			
Client ID: ZZZZZZ	Batch ID: R133625				Analysis Date: 3/23/2010			SeqNo: 2556499			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	91	6	100.0	0	91.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_GF_ST

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MB-59241		SampType: MBLK		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133669			
Client ID: ZZZZZZ		Batch ID: 59241		SOP 3044		Analysis Date: 3/24/2010			SeqNo: 2557089			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0009	0.0020	0.002000	0	44.6	-100	100				J

Sample ID: LCS-59241		SampType: LCS		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133669			
Client ID: ZZZZZZ		Batch ID: 59241		SOP 3044		Analysis Date: 3/24/2010			SeqNo: 2557091			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0169	0.0020	0.01500	0	112.7	80	120				

Sample ID: 10030883-002CMS		SampType: MS		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133669			
Client ID: 4047-Treated-3/23/1		Batch ID: 59241		SOP 3044		Analysis Date: 3/24/2010			SeqNo: 2557094			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0170	0.0020	0.01500	0.002719	95.2	70	130				

Sample ID: 10030883-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133669			
Client ID: 4047-Treated-3/23/1		Batch ID: 59241		SOP 3044		Analysis Date: 3/24/2010			SeqNo: 2557095			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0172	0.0020	0.01500	0.002719	96.7	70	130	0.01699	1.34	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MB-59219	SampType: MBLK	Units: mg/L				Prep Date: 3/23/2010			RunNo: 133613		
Client ID: ZZZZZZ	Batch ID: 59219	SOP 3034				Analysis Date: 3/23/2010			SeqNo: 2555728		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59219	SampType: LCS	Units: mg/L				Prep Date: 3/23/2010			RunNo: 133613		
Client ID: ZZZZZZ	Batch ID: 59219	SOP 3034				Analysis Date: 3/23/2010			SeqNo: 2555908		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	85	115				
Barium	1.98	0.0050	2.000	0	98.9	85	115				
Cadmium	0.0531	0.0020	0.05000	0	106.2	85	115				
Chromium	0.208	0.0100	0.2000	0	104.2	85	115				
Selenium	2.18	0.0500	2.000	0	108.8	85	115				
Silver	0.0532	0.0100	0.05000	0	106.4	85	115				

Sample ID: 10030883-002CMS	SampType: MS	Units: mg/L				Prep Date: 3/23/2010			RunNo: 133635		
Client ID: 4047-Treated-3/23/1	Batch ID: 59219	SOP 3034				Analysis Date: 3/24/2010			SeqNo: 2556882		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.93	0.0250	2.000	0	96.6	75	125				
Barium	1.72	0.0050	2.000	0.07390	82.1	75	125				
Cadmium	0.0432	0.0020	0.05000	0.0003000	85.8	75	125				
Chromium	0.187	0.0100	0.2000	0.004600	91.0	75	125				
Selenium	1.94	0.0500	2.000	0	97.2	75	125				
Silver	0.0477	0.0100	0.05000	0	95.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: 10030883-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/23/2010		RunNo: 133635			
Client ID: 4047-Treated-3/23/1		Batch ID: 59219		SOP 3034		Analysis Date: 3/24/2010		SeqNo: 2556883			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.94	0.0250	2.000	0	97.2	75	125	1.931	0.620	20	
Barium	1.72	0.0050	2.000	0.07390	82.4	75	125	1.716	0.349	20	
Cadmium	0.0435	0.0020	0.05000	0.0003000	86.4	75	125	0.04320	0.692	20	
Chromium	0.184	0.0100	0.2000	0.004600	89.7	75	125	0.1866	1.40	20	
Selenium	1.99	0.0500	2.000	0	99.6	75	125	1.943	2.54	20	
Silver	0.0502	0.0100	0.05000	0	100.4	75	125	0.04770	5.11	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_HG_AQ_S

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MB-59246	SampType: MBLK	Units: mg/L				Prep Date: 3/23/2010				RunNo: 133661		
Client ID: ZZZZZZ	Batch ID: 59246	SOP 3062				Analysis Date: 3/24/2010				SeqNo: 2556995		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100					

Sample ID: LCS-59246	SampType: LCS	Units: mg/L			Prep Date: 3/23/2010			RunNo: 133661			
Client ID: ZZZZZZ	Batch ID: 59246	SOP 3062			Analysis Date: 3/24/2010			SeqNo: 2556996			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00506	0.00020	0.005000	0	101.2	85	115				

Sample ID: 10030883-002CMS		SampType: MS		Units: mg/L		Prep Date: 3/23/2010		RunNo: 133661			
Client ID: 4047-Treated-3/23/1		Batch ID: 59246		SOP 3062		Analysis Date: 3/24/2010		SeqNo: 2557003			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00453	0.00020	0.005000	0	90.6	75	125				

Sample ID: 10030883-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/23/2010			RunNo: 133661		
Client ID: 4047-Treated-3/23/1		Batch ID: 59246		SOP 3062		Analysis Date: 3/24/2010			SeqNo: 2557004		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00473	0.00020	0.005000	0	94.6	75	125	0.004530	4.32	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MB-59215	SampType: MBLK	Units: mg/L			Prep Date: 3/22/2010			RunNo: 133604			
Client ID: ZZZZZZ	Batch ID: 59215	SW3510C			Analysis Date: 3/23/2010			SeqNo: 2555526			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00239		0.005000		47.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00419		0.01000		41.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00368		0.005000		73.6	39.9	106				
Surr: Phenol-d5	0.00256		0.01000		25.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00384		0.005000		76.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: LCS-59215	SampType: LCS	Units: mg/L			Prep Date: 3/22/2010			RunNo: 133604			
Client ID: ZZZZZZ	Batch ID: 59215	SW3510C			Analysis Date: 3/23/2010			SeqNo: 2555646			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00389	0.00010	0.005000	0	77.8	50.1	103				
Acenaphthylene	0.00384	0.00010	0.005000	0	76.8	53.3	122				
Anthracene	0.00505	0.00010	0.005000	0	101.0	57.4	110				
Benzo(a)anthracene	0.00405	0.00010	0.005000	0	81.1	56	102				
Benzo(a)pyrene	0.00444	0.00010	0.005000	0	88.7	55.4	125				
Benzo(b)fluoranthene	0.00445	0.00010	0.005000	0	88.9	59.3	127				
Benzo(g,h,i)perylene	0.00466	0.00010	0.005000	0	93.1	58.4	125				
Benzo(k)fluoranthene	0.00451	0.00010	0.005000	0	90.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00506	0.00200	0.005000	0	101.2	63.2	152				
Chrysene	0.00440	0.00010	0.005000	0	88.1	58.7	118				
Dibenzo(a,h)anthracene	0.00464	0.00010	0.005000	0	92.8	59.3	126				
Diethyl phthalate	0.00483	0.00100	0.005000	0	96.6	55.3	133				
Dimethyl phthalate	0.00469	0.00100	0.005000	0	93.9	55.7	112				
Di-n-butyl phthalate	0.00444	0.00100	0.005000	0	88.9	61.5	130				
Fluoranthene	0.00446	0.00010	0.005000	0	89.3	60.1	117				
Fluorene	0.00445	0.00010	0.005000	0	88.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00464	0.00010	0.005000	0	92.9	58.1	123				
m,p-Cresol	0.00326	0.00010	0.005000	0	65.1	17.9	107				
Naphthalene	0.00334	0.00010	0.005000	0	66.9	36.3	97.1				
o-Cresol	0.00324	0.00010	0.005000	0	64.8	20.5	109				
Phenanthrene	0.00428	0.00010	0.005000	0	85.5	55.9	107				
Pyrene	0.00448	0.00010	0.005000	0	89.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00272		0.005000		54.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00470		0.01000		47.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00368		0.005000		73.6	39.9	106				
Surr: Phenol-d5	0.00279		0.01000		27.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00391		0.005000		78.2	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: LCSD-59215	SampType: LCSD	Units: mg/L			Prep Date: 3/22/2010			RunNo: 133604			
Client ID: ZZZZZZ	Batch ID: 59215	SW3510C			Analysis Date: 3/23/2010			SeqNo: 2555647			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00399	0.00010	0.005000	0	79.9	50.1	103	0.003892	2.59	50	
Acenaphthylene	0.00386	0.00010	0.005000	0	77.3	53.3	122	0.003840	0.623	50	
Anthracene	0.00493	0.00010	0.005000	0	98.6	57.4	110	0.005051	2.38	50	
Benzo(a)anthracene	0.00414	0.00010	0.005000	0	82.8	56	102	0.004053	2.17	50	
Benzo(a)pyrene	0.00446	0.00010	0.005000	0	89.3	55.4	125	0.004435	0.652	50	
Benzo(b)fluoranthene	0.00451	0.00010	0.005000	0	90.2	59.3	127	0.004446	1.43	50	
Benzo(g,h,i)perylene	0.00470	0.00010	0.005000	0	94.0	58.4	125	0.004656	0.962	50	
Benzo(k)fluoranthene	0.00450	0.00010	0.005000	0	89.9	61.5	125	0.004510	0.311	50	
Bis(2-ethylhexyl)phthalate	0.00541	0.00200	0.005000	0	108.1	63.2	152	0.005060	6.61	50	
Chrysene	0.00444	0.00010	0.005000	0	88.9	58.7	118	0.004405	0.881	50	
Dibenzo(a,h)anthracene	0.00464	0.00010	0.005000	0	92.9	59.3	126	0.004639	0.0862	50	
Diethyl phthalate	0.00494	0.00100	0.005000	0	98.8	55.3	133	0.004828	2.31	40	
Dimethyl phthalate	0.00474	0.00100	0.005000	0	94.8	55.7	112	0.004694	0.954	40	
Di-n-butyl phthalate	0.00437	0.00100	0.005000	0	87.4	61.5	130	0.004445	1.72	50	
Fluoranthene	0.00446	0.00010	0.005000	0	89.3	60.1	117	0.004464	0	50	
Fluorene	0.00455	0.00010	0.005000	0	90.9	54.1	110	0.004447	2.18	50	
Indeno(1,2,3-cd)pyrene	0.00462	0.00010	0.005000	0	92.4	58.1	123	0.004645	0.496	50	
m,p-Cresol	0.00315	0.00010	0.005000	0	63.0	17.9	107	0.003255	3.31	50	
Naphthalene	0.00321	0.00010	0.005000	0	64.3	36.3	97.1	0.003344	4.00	50	
o-Cresol	0.00319	0.00010	0.005000	0	63.9	20.5	109	0.003240	1.46	50	
Phenanthrene	0.00432	0.00010	0.005000	0	86.4	55.9	107	0.004276	1.02	50	
Pyrene	0.00439	0.00010	0.005000	0	87.8	61.4	116	0.004483	2.07	50	
Surr: 2-Fluorobiphenyl	0.00273		0.005000		54.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00472		0.01000		47.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00382		0.005000		76.4	39.9	106		0	50	
Surr: Phenol-d5	0.00281		0.01000		28.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00367		0.005000		73.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_BTEX_W

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: LCS-T100323-1		SampType: LCS		Units: µg/L		Prep Date: 3/23/2010			RunNo: 133650		
Client ID: ZZZZZZ		Batch ID: 59262		SW5030		Analysis Date: 3/23/2010			SeqNo: 2556668		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	45.2	2.0	50.00	0	90.3	82.7	117				
Toluene	48.2	5.0	50.00	0	96.5	79.6	116				
Ethylbenzene	47.6	5.0	50.00	0	95.3	83	113				
Xylenes, Total	143	5.0	150.0	0	95.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	47.6		50.00		95.2	74.7	129				
Surr: 4-Bromofluorobenzene	50.5		50.00		101.0	86	119				
Surr: Dibromofluoromethane	49.6		50.00		99.1	81.7	123				
Surr: Toluene-d8	48.0		50.00		96.0	84.3	114				

Sample ID: LCSD-T100323-1		SampType: LCSD		Units: µg/L		Prep Date: 3/23/2010		RunNo: 133650			
Client ID: ZZZZZZ		Batch ID: 59262		SW5030		Analysis Date: 3/23/2010		SeqNo: 2556669			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	45.4	2.0	50.00	0	90.7	82.7	117	45.16	0.420	20	
Toluene	45.4	5.0	50.00	0	90.9	79.6	116	48.24	5.96	20	
Ethylbenzene	46.6	5.0	50.00	0	93.1	83	113	47.64	2.31	20	
Xylenes, Total	138	5.0	150.0	0	92.1	80.3	120	143.2	3.61	0	
Surr: 1,2-Dichloroethane-d4	47.9		50.00		95.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.0		50.00		102.1	86	119		0	0	
Surr: Dibromofluoromethane	50.5		50.00		101.0	81.7	123		0	0	
Surr: Toluene-d8	47.5		50.00		95.0	84.3	114		0	0	

Sample ID: MBLK-T100323-1		SampType: MBLK		Units: µg/L		Prep Date: 3/23/2010		RunNo: 133650			
Client ID: ZZZZZZ		Batch ID: 59262		SW5030		Analysis Date: 3/23/2010		SeqNo: 2556670			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_BTEX_W

Lab Order: 10030883

Report Date: 29-Mar-10

Sample ID: MBLK-T100323-1	SampType: MBLK	Units: µg/L				Prep Date: 3/23/2010			RunNo: 133650		
Client ID: ZZZZZZ	Batch ID: 59262	SW5030				Analysis Date: 3/23/2010			SeqNo: 2556670		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	44.2		50.00		88.4	74.7	129				
Surr: 4-Bromofluorobenzene	52.0		50.00		104.1	86	119				
Surr: Dibromofluoromethane	49.5		50.00		99.0	81.7	123				
Surr: Toluene-d8	47.5		50.00		95.0	84.3	114				

Sample ID: 10030883-002EMS	SampType: MS	Units: µg/L				Prep Date: 3/23/2010			RunNo: 133650		
Client ID: 4047-Treated-3/23/1	Batch ID: 59262	SW5030				Analysis Date: 3/23/2010			SeqNo: 2556675		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.0	2.0	56.00	0	89.3	57.8	125				
Toluene	51.1	5.0	56.00	0	91.3	75.8	123				
Ethylbenzene	46.8	5.0	56.00	0	83.6	72.8	123				
Xylenes, Total	83.3	5.0	112.0	0	74.4	73	127				
Surr: 1,2-Dichloroethane-d4	45.8		50.00		91.5	74.7	129				
Surr: 4-Bromofluorobenzene	50.6		50.00		101.2	86	119				
Surr: Dibromofluoromethane	49.2		50.00		98.5	81.7	123				
Surr: Toluene-d8	42.4		50.00		84.9	84.3	114				

Sample ID: 10030883-002EMSD	SampType: MSD	Units: µg/L				Prep Date: 3/23/2010			RunNo: 133650		
Client ID: 4047-Treated-3/23/1	Batch ID: 59262	SW5030				Analysis Date: 3/23/2010			SeqNo: 2556676		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.9	2.0	56.00	0	89.0	57.8	125	50.00	0.280	20	
Toluene	52.5	5.0	56.00	0	93.8	75.8	123	51.13	2.64	20	
Ethylbenzene	52.8	5.0	56.00	0	94.3	72.8	123	46.84	12.0	20	
Xylenes, Total	93.8	5.0	112.0	0	83.7	73	127	83.33	11.8	20	
Surr: 1,2-Dichloroethane-d4	45.5		50.00		91.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	53.2		50.00		106.3	86	119		0	0	
Surr: Dibromofluoromethane	47.6		50.00		95.2	81.7	123		0	0	
Surr: Toluene-d8	44.6		50.00		89.1	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10030883

Report Date: 29-Mar-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

23-Mar-10

Marvin L. Darling

Reviewed by:

On:

23-Mar-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09597

10030883

[illegible]

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid
☐ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify) _____	

Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days	STD ☐ Other
Fax and/or Mail Results to: <u>P. Sazama and L. Hooser</u>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

	Carrier / Airbill No.
--	-----------------------

Shipping:

Relinquished by:

Signature	Date	Time
[Signature]	3-23-10	1030
[Signature]	3/23/10	1535

Received by:

Received by:

Signature	Date	Time
[Signature]	3/23/10	1030
Morningstar Sterling II	3/23/10	1335

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

March 25, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10030883

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 3/23/2010 1:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

PRELIMINARY REPORT

A preliminary report contains data that is incomplete or data that has not been fully validated. Caution should be exercised in the use of any data presented, as final reported results may not reflect the values presented.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10030883

Report Date: 25-Mar-10

Cooler Receipt Temp: 2.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

PRELIMINARY REPORT

A preliminary report contains data that is incomplete or data that has not been fully validated. Caution should be exercised in the use of any data presented, as final reported results may not reflect the values presented.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10030883**Lab ID:** 10030883-001**Report Date:** 25-Mar-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 4091-Treated-3/22/10**Collection Date:** 3/23/2010 7:30:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.87		1	3/23/2010 6:14:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	3/23/2010 3:30:00 PM	JMT

[Sample Narrative](#)

PRELIMINARY REPORT

A preliminary report contains data that is incomplete or data that has not been fully validated. Caution should be exercised in the use of any data presented, as final reported results may not reflect the values presented.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10030883
Lab ID: 10030883-002
Report Date: 25-Mar-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 4047-Treated-3/23/10
Collection Date: 3/23/2010 10:00:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.27		1	3/23/2010 6:14:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		172	mg/L	1	3/23/2010 3:30:00 PM	JMT
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/24/2010 9:43:19 AM	LAL
Barium	NELAP	0.0050		0.0739	mg/L	1	3/24/2010 9:43:19 AM	LAL
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	3/24/2010 9:43:19 AM	LAL
Chromium	NELAP	0.0100	J	0.0046	mg/L	1	3/24/2010 9:43:19 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	3/24/2010 9:43:19 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/24/2010 9:43:19 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0027	mg/L	1	3/24/2010 11:42:04 AM	JMW
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00011	mg/L	1	3/23/2010 8:32:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/23/2010 8:32:00 PM	DMH
Fluoranthene	NELAP	0.00010		0.00021	mg/L	1	3/23/2010 8:32:00 PM	DMH
Fluorene	NELAP	0.00010		0.00016	mg/L	1	3/23/2010 8:32:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00050		ND	mg/L	5	3/24/2010 12:30:00 PM	MAV
m,p-Cresol	NELAP	0.00010		0.00017	mg/L	1	3/23/2010 8:32:00 PM	DMH
Naphthalene	NELAP	0.00010		0.00090	mg/L	1	3/23/2010 8:32:00 PM	DMH
o-Cresol	NELAP	0.00010		0.00037	mg/L	1	3/23/2010 8:32:00 PM	DMH
Phenanthrene	NELAP	0.00010		0.00041	mg/L	1	3/23/2010 8:32:00 PM	DMH
Pyrene	NELAP	0.00010		0.00020	mg/L	1	3/23/2010 8:32:00 PM	DMH
Total PNAs except Naphthalene		0.00013		0.0484	mg/L	1	3/23/2010 8:32:00 PM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		64.4	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		20.8	%REC	1	3/23/2010 8:32:00 PM	DMH

PRELIMINARY REPORT

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10030883

Lab ID: 10030883-002

Report Date: 25-Mar-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4047-Treated-3/23/10

Collection Date: 3/23/2010 10:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105	SE	1074	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: Phenol-d5		11-42.8	S	0.5	%REC	1	3/23/2010 8:32:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		57.6	%REC	1	3/23/2010 8:32:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/23/2010 4:15:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		89.9	%REC	1	3/23/2010 4:15:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		100.8	%REC	1	3/23/2010 4:15:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		97.0	%REC	1	3/23/2010 4:15:00 PM	TAL
Surr: Toluene-d8		84.3-114		84.9	%REC	1	3/23/2010 4:15:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	3/24/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	3/24/2010 8:32:10 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	3/24/2010 8:32:10 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

Surrogate recovery was outside QC limits due to matrix interference.

PRELIMINARY REPORT

A preliminary report contains data that is incomplete or data that has not been fully validated. Caution should be exercised in the use of any data presented, as final reported results may not reflect the values presented.

April 06, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10031117

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 3/30/2010 10:35:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10031117

Report Date: 06-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10031117-001	26785-treated-3/29/10	5	3/29/2010 2:15:00 PM
10031117-002	4091-treated-3/29/10	5	3/29/2010 2:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10031117

Report Date: 06-Apr-10

Cooler Receipt Temp: 3.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10031117

Lab ID: 10031117-001

Report Date: 06-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-treated-3/29/10

Collection Date: 3/29/2010 2:15:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.19		1	3/31/2010 1:22:00 PM	LDG
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		54	mg/L	1	3/31/2010 9:00:00 AM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		242	mg/L	1	3/31/2010 1:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/31/2010 11:15:15 AM	LAL
Barium	NELAP	0.0050		0.0667	mg/L	1	3/31/2010 11:15:15 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	3/31/2010 11:15:15 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	3/31/2010 11:15:15 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	3/31/2010 11:15:15 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/31/2010 11:15:15 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0054	mg/L	1	3/31/2010 10:40:04 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00015	mg/L	1	3/31/2010 12:17:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00100		ND	mg/L	10	3/31/2010 9:40:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00100		ND	mg/L	10	3/31/2010 9:40:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00100		ND	mg/L	10	3/31/2010 9:40:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00100		ND	mg/L	10	3/31/2010 9:40:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Chrysene	NELAP	0.00010		0.00012	mg/L	1	3/31/2010 12:17:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00100		ND	mg/L	10	3/31/2010 9:40:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00046	mg/L	1	3/31/2010 12:17:00 AM	MAV
Fluorene	NELAP	0.00010		0.00027	mg/L	1	3/31/2010 12:17:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00100		ND	mg/L	10	3/31/2010 9:40:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00027	mg/L	1	3/31/2010 12:17:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00072	mg/L	1	3/31/2010 12:17:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:17:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00041	mg/L	1	3/31/2010 12:17:00 AM	MAV
Pyrene	NELAP	0.00010		0.00031	mg/L	1	3/31/2010 12:17:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00278	mg/L	1	3/31/2010 12:17:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10031117
Lab ID: 10031117-001
Report Date: 06-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 26785-treated-3/29/10
Collection Date: 3/29/2010 2:15:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		67.9	%REC	1	3/31/2010 12:17:00 AM	MAN
Surr: 2-Fluorophenol		16.8-65.9		42.6	%REC	1	3/31/2010 12:17:00 AM	MAN
Surr: Nitrobenzene-d5		37.6-105		78.5	%REC	1	3/31/2010 12:17:00 AM	MAN
Surr: Phenol-d5		11-42.8		22.5	%REC	1	3/31/2010 12:17:00 AM	MAN
Surr: p-Terphenyl-d14		49-113		66.1	%REC	1	3/31/2010 12:17:00 AM	MAN
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.6	µg/L	1	3/31/2010 1:55:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/31/2010 1:55:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/31/2010 1:55:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/31/2010 1:55:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		85.0	%REC	1	3/31/2010 1:55:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		108.9	%REC	1	3/31/2010 1:55:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		98.2	%REC	1	3/31/2010 1:55:00 AM	TAL
Surr: Toluene-d8		84.3-114		94.2	%REC	1	3/31/2010 1:55:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	3/30/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	3/31/2010 10:01:19 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	SR	1.28	mg/L	50	3/31/2010 10:01:19 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.
RPD was outside of QC limit.

SW-846 7470A (Total)

Hg- Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10031117
Lab ID: 10031117-002
Report Date: 06-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 4091-treated-3/29/10
Collection Date: 3/29/2010 2:30:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.48		1	3/31/2010 1:22:00 PM	LDG
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		120	mg/L	1	3/31/2010 9:00:00 AM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		101	mg/L	1	3/31/2010 1:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	3/31/2010 11:35:35 AM	LAL
Barium	NELAP	0.0050		0.0915	mg/L	1	3/31/2010 11:35:35 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	3/31/2010 11:35:35 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	3/31/2010 11:35:35 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	3/31/2010 11:35:35 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	3/31/2010 11:35:35 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0027	mg/L	1	3/31/2010 10:43:26 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00100		ND	mg/L	10	3/31/2010 10:16:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00100		ND	mg/L	10	3/31/2010 10:16:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00100		ND	mg/L	10	3/31/2010 10:16:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00100		ND	mg/L	10	3/31/2010 10:16:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0013	mg/L	1	3/31/2010 12:52:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00100		ND	mg/L	10	3/31/2010 10:16:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00011	mg/L	1	3/31/2010 12:52:00 AM	MAV
Fluorene	NELAP	0.00010		0.00010	mg/L	1	3/31/2010 12:52:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00100		ND	mg/L	10	3/31/2010 10:16:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00037	mg/L	1	3/31/2010 12:52:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00023	mg/L	1	3/31/2010 12:52:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00026	mg/L	1	3/31/2010 12:52:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	3/31/2010 12:52:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00371	mg/L	1	3/31/2010 12:52:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10031117

Lab ID: 10031117-002

Report Date: 06-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-3/29/10

Collection Date: 3/29/2010 2:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		60.9	%REC	1	3/31/2010 12:52:00 AM	MAN
Surr: 2-Fluorophenol		16.8-65.9		37.3	%REC	1	3/31/2010 12:52:00 AM	MAN
Surr: Nitrobenzene-d5		37.6-105		71.0	%REC	1	3/31/2010 12:52:00 AM	MAN
Surr: Phenol-d5		11-42.8		17.1	%REC	1	3/31/2010 12:52:00 AM	MAN
Surr: p-Terphenyl-d14		49-113		64.4	%REC	1	3/31/2010 12:52:00 AM	MAN
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	3/31/2010 2:26:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	3/31/2010 2:26:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	3/31/2010 2:26:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	3/31/2010 2:26:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		84.2	%REC	1	3/31/2010 2:26:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		106.4	%REC	1	3/31/2010 2:26:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		99.0	%REC	1	3/31/2010 2:26:00 AM	TAL
Surr: Toluene-d8		84.3-114		92.2	%REC	1	3/31/2010 2:26:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	3/30/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	3/31/2010 10:01:19 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007		< 0.007	mg/L	1	3/31/2010 10:01:19 AM	RCE

Sample Narrative

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10031117-001A	26785-treated-3/29/10	3/29/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/30/2010 2:50:09 PM	3/31/2010 12:17:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/30/2010 2:50:09 PM	3/31/2010 9:40:00 AM
10031117-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		3/31/2010 1:22:00 PM
				Standard Methods 18th Ed. 2540 D		3/31/2010 9:00:00 AM
				Standard Methods 18th Ed. 5210 B	3/31/2010 1:00:00 PM	3/31/2010 1:00:00 PM
10031117-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	3/30/2010 1:44:19 PM	3/31/2010 11:15:15 AM
				SW-846 3020A, Metals by GFAA (Total)	3/30/2010 1:39:00 PM	3/31/2010 10:40:04 AM
				SW-846 7470A (Total)	3/30/2010 12:30:00 PM	3/30/2010
10031117-001D				SW-846 9012A		3/31/2010 10:01:19 AM
				SW-846 9012A (Total)		3/31/2010 10:01:19 AM
10031117-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		3/31/2010 1:55:00 AM
10031117-002A	4091-treated-3/29/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/30/2010 2:50:09 PM	3/31/2010 12:52:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	3/30/2010 2:50:09 PM	3/31/2010 10:16:00 AM
10031117-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		3/31/2010 1:22:00 PM
				Standard Methods 18th Ed. 2540 D		3/31/2010 9:00:00 AM
				Standard Methods 18th Ed. 5210 B	3/31/2010 1:00:00 PM	3/31/2010 1:00:00 PM
10031117-002C				SW-846 3005A, 6010B, Metals by ICP (Total)	3/30/2010 1:44:19 PM	3/31/2010 11:35:35 AM
				SW-846 3020A, Metals by GFAA (Total)	3/30/2010 1:40:24 PM	3/31/2010 10:43:26 AM
				SW-846 7470A (Total)	3/30/2010 12:30:00 PM	3/30/2010
10031117-002D				SW-846 9012A		3/31/2010 10:01:19 AM
				SW-846 9012A (Total)		3/31/2010 10:01:19 AM
10031117-002E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		3/31/2010 2:26:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MB-R133927		SampType: MBLK		Units: mg/L		Prep Date:		RunNo: 133927			
Client ID: ZZZZZZ		Batch ID: R133927				Analysis Date: 3/31/2010		SeqNo: 2562961			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R133927		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 133927			
Client ID: ZZZZZZ		Batch ID: R133927				Analysis Date: 3/31/2010		SeqNo: 2562962			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.099	0.007	0.1000	0	99.3	90	110				

Sample ID: 10031117-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 133927		
Client ID: 26785-treated-3/29/1		Batch ID: R133927				Analysis Date: 3/31/2010			SeqNo: 2562972		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.14	0.350	0.05000	1.275	-276.8	75	125				S

Sample ID: 10031117-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 133927		
Client ID: 26785-treated-3/29/1		Batch ID: R133927					Analysis Date: 3/31/2010			SeqNo: 2562973	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.46	0.350	0.05000	1.275	361.4	75	125	1.137	24.6	15	SR

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10031117

Report Date: 06-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-59410	SampType: LCS	Units: mg/L			Prep Date: 3/31/2010			RunNo: 134024			
Client ID: ZZZZZZ	Batch ID: 59410	SOP 2030			Analysis Date: 3/31/2010			SeqNo: 2564983			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	181	5	198.0	0	91.4	84.6	115.4				

Sample ID: LCSQC-59410	SampType: LCSQC	Units: mg/L			Prep Date: 3/31/2010			RunNo: 134024			
Client ID: ZZZZZZ	Batch ID: 59410	SOP 2030			Analysis Date: 3/31/2010			SeqNo: 2564984			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	32	5	34.50	0	92.8	68.6	128.7				

Sample ID: 10031117-002B-DUP	SampType: DUP	Units: mg/L			Prep Date: 3/31/2010			RunNo: 134024			
Client ID: 4091-treated-3/29/10	Batch ID: 59410	SOP 2030			Analysis Date: 3/31/2010			SeqNo: 2564990			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	95	5						101.0	6.12	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_PH_M_AT_NF

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: LCS-R133928	SampType: LCS	Units:			Prep Date:			RunNo: 133928			
Client ID: ZZZZZZ	Batch ID: R133928				Analysis Date: 3/31/2010			SeqNo: 2563007			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 10031117-002BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 133928			
Client ID: 4091-treated-3/29/10	Batch ID: R133928				Analysis Date: 3/31/2010			SeqNo: 2563012			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.41	1.00					7.480	0.940	10		
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_TSS_M_AT

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MB-R133909		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 133909		
Client ID: ZZZZZZ		Batch ID: R133909			Analysis Date: 3/31/2010			SeqNo: 2562682				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R133909		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 133909		
Client ID: ZZZZZZ		Batch ID: R133909			Analysis Date: 3/31/2010			SeqNo: 2562683				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	85	6	100.0	0	85.0	85	115				
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Sample ID: 10031117-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 133909		
Client ID: 26785-treated-3/29/1		Batch ID: R133909				Analysis Date: 3/31/2010			SeqNo: 2562687		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	50	6						54.00	7.69	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 133909		
Client ID: ZZZZZZ		Batch ID: R133909			Analysis Date: 3/31/2010			SeqNo: 2562689				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_GF_ST

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MB-59374		SampType: MBLK		Units: mg/L		Prep Date: 3/30/2010			RunNo: 133901		
Client ID: ZZZZZZ		Batch ID: 59374		SOP 3044		Analysis Date: 3/31/2010			SeqNo: 2562573		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-59374		SampType: LCS			Units: mg/L		Prep Date: 3/30/2010			RunNo: 133901		
Client ID: ZZZZZZ		Batch ID: 59374			SOP 3044		Analysis Date: 3/31/2010			SeqNo: 2562575		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0151	0.0020	0.01500	0	100.4	80	120			
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Sample ID: 10031117-002CMS		SampType: MS		Units: mg/L		Prep Date: 3/30/2010		RunNo: 133901			
Client ID: 4091-treated-3/29/10		Batch ID: 59374		SOP 3044		Analysis Date: 3/31/2010		SeqNo: 2562579			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0180	0.0020	0.01500	0.002723	102.1	70	130			
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Sample ID: 10031117-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/30/2010		RunNo: 133901			
Client ID: 4091-treated-3/29/10		Batch ID: 59374		SOP 3044		Analysis Date: 3/31/2010		SeqNo: 2562580			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0176	0.0020	0.01500	0.002723	99.2	70	130	0.01804	2.42	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MB-59352	SampType: MBLK	Units: mg/L				Prep Date: 3/30/2010			RunNo: 133881		
Client ID: ZZZZZZ	Batch ID: 59352	SOP 3034				Analysis Date: 3/31/2010			SeqNo: 2562617		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59352	SampType: LCS	Units: mg/L				Prep Date: 3/30/2010			RunNo: 133881		
Client ID: ZZZZZZ	Batch ID: 59352	SOP 3034				Analysis Date: 3/31/2010			SeqNo: 2562620		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	106.8	85	115				
Barium	2.00	0.0050	2.000	0	100.2	85	115				
Cadmium	0.0516	0.0020	0.05000	0	103.2	85	115				
Chromium	0.213	0.0100	0.2000	0	106.7	85	115				
Selenium	2.16	0.0500	2.000	0	107.8	85	115				
Silver	0.0561	0.0100	0.05000	0	112.2	85	115				

Sample ID: 10031117-001CMS	SampType: MS	Units: mg/L				Prep Date: 3/30/2010			RunNo: 133881		
Client ID: 26785-treated-3/29/1	Batch ID: 59352	SOP 3034				Analysis Date: 3/31/2010			SeqNo: 2562622		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.5	75	125				
Barium	1.92	0.0050	2.000	0.06670	92.5	75	125				
Cadmium	0.0474	0.0020	0.05000	0	94.8	75	125				
Chromium	0.205	0.0100	0.2000	0	102.7	75	125				
Selenium	2.11	0.0500	2.000	0	105.6	75	125				
Silver	0.0512	0.0100	0.05000	0	102.4	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10031117

Report Date: 06-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 10031117-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 3/30/2010		RunNo: 133881			
Client ID: 26785-treated-3/29/1		Batch ID: 59352		SOP 3034		Analysis Date: 3/31/2010		SeqNo: 2562623			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.13	0.0250	2.000	0	106.5	75	125	2.110	0.943	20	
Barium	1.89	0.0050	2.000	0.06670	91.3	75	125	1.916	1.26	20	
Cadmium	0.0482	0.0020	0.05000	0	96.4	75	125	0.04740	1.67	20	
Chromium	0.200	0.0100	0.2000	0	100.2	75	125	0.2054	2.51	20	
Selenium	2.12	0.0500	2.000	0	106.0	75	125	2.111	0.473	20	
Silver	0.0497	0.0100	0.05000	0	99.4	75	125	0.05120	2.97	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_HG_AQ_S

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MB-59379	SampType: MBLK	Units: mg/L			Prep Date: 3/30/2010			RunNo: 133866			
Client ID: ZZZZZZ	Batch ID: 59379	SOP 3062			Analysis Date: 3/30/2010			SeqNo: 2562040			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-59379	SampType: LCS	Units: mg/L			Prep Date: 3/30/2010			RunNo: 133866			
Client ID: ZZZZZZ	Batch ID: 59379	SOP 3062			Analysis Date: 3/30/2010			SeqNo: 2562041			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00510	0.00020	0.005000	0	102.0	85	115				

Sample ID: 10031117-001CMS		SampType: MS		Units: mg/L		Prep Date: 3/30/2010			RunNo: 133866		
Client ID: 26785-treated-3/29/1		Batch ID: 59379		SOP 3062		Analysis Date: 3/30/2010			SeqNo: 2562045		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00294	0.00020	0.005000	0	58.8	75	125				S

Sample ID: 10031117-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 3/30/2010			RunNo: 133866		
Client ID: 26785-treated-3/29/1	Batch ID: 59379	SOP 3062				Analysis Date: 3/30/2010			SeqNo: 2562046		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00309	0.00020	0.005000	0	61.8	75	125	0.002940	4.98	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MB-59356	SampType: MBLK	Units: mg/L			Prep Date: 3/30/2010			RunNo: 133846			
Client ID: ZZZZZZ	Batch ID: 59356	SW3510C			Analysis Date: 3/30/2010			SeqNo: 2562338			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0158		0.02500		63.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0218		0.05000		43.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.0192		0.02500		76.6	39.9	106				
Surr: Phenol-d5	0.0132		0.05000		26.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.0176		0.02500		70.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: LCS-59356	SampType: LCS	Units: mg/L			Prep Date: 3/30/2010			RunNo: 133846			
Client ID: ZZZZZZ	Batch ID: 59356	SW3510C			Analysis Date: 3/30/2010			SeqNo: 2562339			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00381	0.00010	0.005000	0	76.2	50.1	103				
Acenaphthylene	0.00360	0.00010	0.005000	0	72.0	53.3	122				
Anthracene	0.00362	0.00010	0.005000	0	72.3	57.4	110				
Benzo(a)anthracene	0.00356	0.00010	0.005000	0	71.3	56	102				
Benzo(a)pyrene	0.00388	0.00010	0.005000	0	77.6	55.4	125				
Benzo(b)fluoranthene	0.00397	0.00010	0.005000	0	79.4	59.3	127				
Benzo(g,h,i)perylene	0.00393	0.00010	0.005000	0	78.7	58.4	125				
Benzo(k)fluoranthene	0.00386	0.00010	0.005000	0	77.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00467	0.00200	0.005000	0	93.5	63.2	152				
Chrysene	0.00381	0.00010	0.005000	0	76.2	58.7	118				
Dibenzo(a,h)anthracene	0.00394	0.00010	0.005000	0	78.9	59.3	126				
Diethyl phthalate	0.00443	0.00100	0.005000	0	88.6	55.3	133				
Dimethyl phthalate	0.00440	0.00100	0.005000	0	87.9	55.7	112				
Di-n-butyl phthalate	0.00399	0.00100	0.005000	0	79.7	61.5	130				
Fluoranthene	0.00391	0.00010	0.005000	0	78.2	60.1	117				
Fluorene	0.00396	0.00010	0.005000	0	79.2	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00394	0.00010	0.005000	0	78.7	58.1	123				
m,p-Cresol	0.00268	0.00010	0.005000	0	53.5	17.9	107				
Naphthalene	0.00362	0.00010	0.005000	0	72.5	36.3	97.1				
o-Cresol	0.00263	0.00010	0.005000	0	52.6	20.5	109				
Phenanthrene	0.00365	0.00010	0.005000	0	72.9	55.9	107				
Pyrene	0.00392	0.00010	0.005000	0	78.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.0155		0.02500		61.9	41.9	97.9				
Surr: 2-Fluorophenol	0.0205		0.05000		41.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0179		0.02500		71.5	39.9	106				
Surr: Phenol-d5	0.0124		0.05000		24.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.0175		0.02500		69.9	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: LCSD-59356	SampType: LCSD	Units: mg/L			Prep Date: 3/30/2010			RunNo: 133846			
Client ID: ZZZZZZ	Batch ID: 59356	SW3510C			Analysis Date: 3/30/2010			SeqNo: 2562340			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00393	0.00010	0.005000	0	78.5	50.1	103	0.003812	2.97	50	
Acenaphthylene	0.00385	0.00010	0.005000	0	76.9	53.3	122	0.003601	6.55	50	
Anthracene	0.00434	0.00010	0.005000	0	86.8	57.4	110	0.003615	18.3	50	
Benzo(a)anthracene	0.00367	0.00010	0.005000	0	73.4	56	102	0.003563	2.93	50	
Benzo(a)pyrene	0.00387	0.00010	0.005000	0	77.4	55.4	125	0.003881	0.258	50	
Benzo(b)fluoranthene	0.00394	0.00010	0.005000	0	78.8	59.3	127	0.003972	0.758	50	
Benzo(g,h,i)perylene	0.00395	0.00010	0.005000	0	78.9	58.4	125	0.003933	0.355	50	
Benzo(k)fluoranthene	0.00388	0.00010	0.005000	0	77.6	61.5	125	0.003858	0.620	50	
Bis(2-ethylhexyl)phthalate	0.00496	0.00200	0.005000	0	99.2	63.2	152	0.004673	6.00	50	
Chrysene	0.00396	0.00010	0.005000	0	79.2	58.7	118	0.003810	3.89	50	
Dibenzo(a,h)anthracene	0.00409	0.00010	0.005000	0	81.9	59.3	126	0.003943	3.76	50	
Diethyl phthalate	0.00452	0.00100	0.005000	0	90.3	55.3	133	0.004428	1.97	40	
Dimethyl phthalate	0.00441	0.00100	0.005000	0	88.2	55.7	112	0.004395	0.295	40	
Di-n-butyl phthalate	0.00408	0.00100	0.005000	0	81.6	61.5	130	0.003986	2.36	50	
Fluoranthene	0.00398	0.00010	0.005000	0	79.7	60.1	117	0.003909	1.90	50	
Fluorene	0.00423	0.00010	0.005000	0	84.7	54.1	110	0.003958	6.71	50	
Indeno(1,2,3-cd)pyrene	0.00405	0.00010	0.005000	0	81.0	58.1	123	0.003937	2.78	50	
m,p-Cresol	0.00286	0.00010	0.005000	0	57.2	17.9	107	0.002675	6.65	50	
Naphthalene	0.00373	0.00010	0.005000	0	74.6	36.3	97.1	0.003624	2.88	50	
o-Cresol	0.00298	0.00010	0.005000	0	59.5	20.5	109	0.002628	12.4	50	
Phenanthrene	0.00386	0.00010	0.005000	0	77.3	55.9	107	0.003647	5.75	50	
Pyrene	0.00390	0.00010	0.005000	0	78.1	61.4	116	0.003922	0.434	50	
Surr: 2-Fluorobiphenyl	0.0155		0.02500		62.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0215		0.05000		43.0	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0180		0.02500		72.1	39.9	106		0	50	
Surr: Phenol-d5	0.0125		0.05000		25.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0175		0.02500		70.0	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_BTEX_W

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: LCS-T100330-2		SampType: LCS		Units: µg/L		Prep Date: 3/30/2010			RunNo: 133925		
Client ID: ZZZZZZ		Batch ID: 59405		SW5030		Analysis Date: 3/30/2010			SeqNo: 2562927		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Toluene
Ethylbenzene
Xylenes, Total
Surr: 1,2-Dichloroethane-d4
Surr: 4-Bromofluorobenzene
Surr: Dibromofluoromethane
Surr: Toluene-d8

49.8
48.3
50.9
147
47.0
49.7
50.0
48.0

2.0
5.0
5.0
5.0
50.0
50.0
50.0
50.0

50.00
50.00
50.00
150.0
50.00
50.00
50.00
50.00

0
0
0
0
0
0
0
0

99.7
96.6
101.9
98.3
94.0
99.4
100
96.0

82.7
79.6
83
80.3
74.7
86
81.7
84.3

117
116
113
120
129
119
123
114

Sample ID: LCSD-T100330-2		SampType: LCSD		Units: µg/L		Prep Date: 3/30/2010		RunNo: 133925			
Client ID: ZZZZZZ		Batch ID: 59405		SW5030		Analysis Date: 3/31/2010		SeqNo: 2562928			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Toluene
Ethylbenzene
Xylenes, Total
Surr: 1,2-Dichloroethane-d4
Surr: 4-Bromofluorobenzene
Surr: Dibromofluoromethane
Surr: Toluene-d8

49.1
47.9
47.3
143
47.7
48.9
48.7
47.7

2.0
5.0
5.0
5.0
50.0
50.0
50.0
50.0

50.00
50.00
50.00
150.0
50.00
50.00
50.00
50.00

0
0
0
0
0
0
0
0

98.2
95.8
94.5
95.6
95.4
97.8
97.4
95.4

82.7
79.6
83
80.3
74.7
86
81.7
84.3

117
116
113
120
129
119
123
114

49.84
48.30
50.93
147.5
0
0
0
0

1.46
0.852
7.45
2.84
0
0
0
0

20
20
20
0
0
0
0
0

Sample ID: MBLK-T100330-2		SampType: MBLK		Units: µg/L		Prep Date: 3/30/2010		RunNo: 133925			
Client ID: ZZZZZZ		Batch ID: 59405		SW5030		Analysis Date: 3/31/2010		SeqNo: 2562929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Toluene
Ethylbenzene
Xylenes, Total

ND
ND
ND
ND

2.0
5.0
5.0
5.0

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_BTEX_W

Lab Order: 10031117

Report Date: 06-Apr-10

Sample ID: MBLK-T100330-2	SampType: MBLK	Units: µg/L			Prep Date: 3/30/2010			RunNo: 133925			
Client ID: ZZZZZZ	Batch ID: 59405	SW5030			Analysis Date: 3/31/2010			SeqNo: 2562929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	42.8		50.00		85.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.5		50.00		103.0	86	119				
Surr: Dibromofluoromethane	48.9		50.00		97.8	81.7	123				
Surr: Toluene-d8	47.0		50.00		94.0	84.3	114				

Sample ID: 10031117-002EMS	SampType: MS	Units: µg/L				Prep Date: 3/30/2010			RunNo: 133925		
Client ID: 4091-treated-3/29/10	Batch ID: 59405	SW5030				Analysis Date: 3/31/2010			SeqNo: 2562932		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.9	2.0	56.00	0	78.5	57.8	125				
Toluene	55.8	5.0	56.00	0	99.6	75.8	123				
Ethylbenzene	64.3	5.0	56.00	0	114.8	72.8	123				
Xylenes, Total	124	5.0	112.0	0	111.1	73	127				
Surr: 1,2-Dichloroethane-d4	44.1		50.00		88.2	74.7	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.3	86	119				
Surr: Dibromofluoromethane	48.5		50.00		96.9	81.7	123				
Surr: Toluene-d8	46.4		50.00		92.9	84.3	114				

Sample ID: 10031117-002EMSD	SampType: MSD	Units: µg/L				Prep Date: 3/30/2010			RunNo: 133925		
Client ID: 4091-treated-3/29/10	Batch ID: 59405	SW5030				Analysis Date: 3/31/2010			SeqNo: 2562933		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.5	2.0	56.00	0	77.6	57.8	125	43.94	1.10	20	
Toluene	56.6	5.0	56.00	0	101.1	75.8	123	55.75	1.53	20	
Ethylbenzene	64.9	5.0	56.00	0	115.8	72.8	123	64.29	0.898	20	
Xylenes, Total	127	5.0	112.0	0	113.5	73	127	124.4	2.21	20	
Surr: 1,2-Dichloroethane-d4	41.6		50.00		83.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	54.2		50.00		108.4	86	119		0	0	
Surr: Dibromofluoromethane	47.0		50.00		93.9	81.7	123		0	0	
Surr: Toluene-d8	46.3		50.00		92.6	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10031117

Report Date: 06-Apr-10

Carrier: Sean Spinner

Received By: DB

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

30-Mar-10

30-Mar-10

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 09600**

Project Name: Ameren Champion Project Mgr.: Pete Sajama

Project Number: 624-0908-0120 Cost Code: JUV02

Sampler(s): J. Crompton

Laboratory Name: Teklab
Location: Collinsville

Sample Number and (depth) Date Time

26785-treated-3/29/10 3/29/10 1415

4091-treated-3/29/10 " 1430

Total Number of Containers

Analyses by Method Name and Number

BTEX S&G
VOC S&G SMC
RCA Metals
Total Metals
TSS
PH
BOD5

Laboratory Temperature upon Receipt
3-8
ICE

Comments (Field PID)

Lab ID #'s

1003117-cc1
-cc2

Teklab, Inc.
Courier Pick Up

1 DAY

Samples Iced:

☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☒ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: Pete Sajama and Leslie Hawler
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature _____
Date 3-29-10 Time 1450

Received by:

Signature _____
Date 3/29/10 Time 1450
Signature _____
Date 3/30/10 Time 1035

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

April 13, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 10040245

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/7/2010 2:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040245

Report Date: 13-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040245-001	2154 Treated 4/6/10	6	4/6/2010 2:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 10040245

Report Date: 13-Apr-10

Cooler Receipt Temp: 1.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040245

Lab ID: 10040245-001

Report Date: 13-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2154 Treated 4/6/10

Collection Date: 4/6/2010 2:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		6.72		1	4/8/2010 2:35:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		22	mg/L	1	4/8/2010 1:10:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	1.25		48.6	mg/L	25	4/7/2010 3:50:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		101	mg/L	1	4/8/2010 1:30:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/8/2010 8:45:14 AM	LAL
Barium	NELAP	0.0050		0.0470	mg/L	1	4/8/2010 8:45:14 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/8/2010 11:57:09 AM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/8/2010 8:45:14 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/8/2010 8:45:14 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/8/2010 8:45:14 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	4/8/2010 10:17:44 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00250		ND	mg/L	25	4/8/2010 12:20:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00250		ND	mg/L	25	4/8/2010 12:20:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00250		ND	mg/L	25	4/8/2010 12:20:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00250		ND	mg/L	25	4/8/2010 12:20:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00277	mg/L	1	4/8/2010 10:01:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00250		ND	mg/L	25	4/8/2010 12:20:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Fluoranthene	NELAP	0.00010	J	0.00010	mg/L	1	4/8/2010 10:01:00 AM	MAV
Fluorene	NELAP	0.00010		0.00013	mg/L	1	4/8/2010 10:01:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00250		ND	mg/L	25	4/8/2010 12:20:00 PM	MAV
m,p-Cresol	NELAP	0.00010		0.00045	mg/L	1	4/8/2010 10:01:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00135	mg/L	1	4/8/2010 10:01:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00036	mg/L	1	4/8/2010 10:01:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00032	mg/L	1	4/8/2010 10:01:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040245

Lab ID: 10040245-001

Report Date: 13-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2154 Treated 4/6/10

Collection Date: 4/6/2010 2:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		ND	mg/L	1	4/8/2010 10:01:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00333	mg/L	1	4/8/2010 10:01:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		75.6	%REC	1	4/8/2010 10:01:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		46.6	%REC	1	4/8/2010 10:01:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		76.2	%REC	1	4/8/2010 10:01:00 AM	MAV
Surr: Phenol-d5		11-42.8		21.9	%REC	1	4/8/2010 10:01:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		87.2	%REC	1	4/8/2010 10:01:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	4/8/2010 12:01:00 PM	CCF
Ethylbenzene	NELAP	5.0	S	ND	µg/L	1	4/8/2010 12:01:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	4/8/2010 12:01:00 PM	CCF
Xylenes, Total	NELAP	5.0	S	ND	µg/L	1	4/8/2010 12:01:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		86.2	%REC	1	4/8/2010 12:01:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119	S	82.4	%REC	1	4/8/2010 12:01:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		101.7	%REC	1	4/8/2010 12:01:00 PM	CCF
Surr: Toluene-d8		84.3-114	S	78.6	%REC	1	4/8/2010 12:01:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	J	0.00007	mg/L	1	4/8/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	4/7/2010 7:40:41 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	4/7/2010 7:40:41 PM	RCE

Sample Narrative

SW-846 9012A (Total)

Interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Matrix spikes did not recover within control limits due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040245-001A	2154 Treated 4/6/10	4/6/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2010 4:26:57 PM	4/8/2010 10:01:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2010 4:26:57 PM	4/8/2010 10:36:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2010 4:26:57 PM	4/8/2010 12:20:00 PM
10040245-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/8/2010 2:35:00 PM
				Standard Methods 18th Ed. 2540 D		4/8/2010 1:10:00 PM
				Standard Methods 18th Ed. 5210 B	4/8/2010 1:30:00 PM	4/8/2010 1:30:00 PM
10040245-001C				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/7/2010 3:50:00 PM
10040245-001D				SW-846 3005A, 6010B, Metals by ICP (Total)	4/7/2010 4:15:03 PM	4/8/2010 8:45:14 AM
				SW-846 3005A, 6010B, Metals by ICP (Total)	4/7/2010 4:15:03 PM	4/8/2010 11:57:09 AM
				SW-846 3020A, Metals by GFAA (Total)	4/7/2010 4:13:44 PM	4/8/2010 10:17:44 AM
				SW-846 7470A (Total)	4/7/2010 4:18:46 PM	4/8/2010
10040245-001E				SW-846 9012A		4/7/2010 7:40:41 PM
				SW-846 9012A (Total)		4/7/2010 7:40:41 PM
10040245-001F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/8/2010 12:01:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: A_TCND_S_AT_9012A

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: MB-R134130		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134130		
Client ID: ZZZZZZ		Batch ID: R134130						Analysis Date: 4/7/2010			SeqNo: 2569466	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R134130		SampType: LCS		Units: mg/L		Prep Date:			RunNo: 134130		
Client ID: ZZZZZZ		Batch ID: R134130					Analysis Date: 4/7/2010			SeqNo: 2569467	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.109	0.007	0.1000	0	108.5	90	110				

Sample ID: 10040245-001EMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 134130		
Client ID: 2154 Treated 4/6/10		Batch ID: R134130					Analysis Date: 4/7/2010			SeqNo: 2569472	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007	0.05000	0	0	75	125				S

Sample ID: 10040245-001EMSD	SampType: MSD	Units: mg/L				Prep Date:			RunNo: 134130		
Client ID: 2154 Treated 4/6/10	Batch ID: R134130					Analysis Date: 4/7/2010			SeqNo: 2569473		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007	0.05000	0	0	75	125	0	0	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_BOD_M_AT

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: LCS-59594		SampType: LCS		Units: mg/L		Prep Date: 4/8/2010			RunNo: 134357		
Client ID: ZZZZZZ		Batch ID: 59594		SOP 2030		Analysis Date: 4/8/2010			SeqNo: 2575426		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	199	5	198.0	0	100.5	84.6	115.4				

Sample ID: LCSQC-59594	SampType: LCSQC	Units: mg/L			Prep Date: 4/8/2010			RunNo: 134357			
Client ID: ZZZZZZ	Batch ID: 59594	SOP 2030			Analysis Date: 4/8/2010			SeqNo: 2575427			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	98	5	93.60	0	104.7	70.6	127.7				

Sample ID: 10040245-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 4/8/2010				RunNo: 134357		
Client ID: 2154 Treated 4/6/10	Batch ID: 59594	SOP 2030				Analysis Date: 4/8/2010				SeqNo: 2575444		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Biochemical Oxygen Demand	93	5						101.0	8.25	40		

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040245

Report Date: 13-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_CL2R_M_AT_NF

Sample ID: MB-R134198	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134198			
Client ID: ZZZZZZ	Batch ID: R134198				Analysis Date: 4/7/2010			SeqNo: 2570639			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab Chlorine, Total Residual	< 0.05	0.05									

Sample ID: LCS-R134198	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134198			
Client ID: ZZZZZZ	Batch ID: R134198				Analysis Date: 4/7/2010			SeqNo: 2570640			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab Chlorine, Total Residual	4.30	0.50	4.400	0	97.7	79.7	114.1				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_PH_M_AT_NF

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: LCS-R134197	SampType: LCS	Units:			Prep Date:			RunNo: 134197				
Client ID: ZZZZZZ	Batch ID: R134197				Analysis Date: 4/8/2010			SeqNo: 2570635				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9					

Sample ID: 10040245-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 134197				
Client ID: 2154 Treated 4/6/10	Batch ID: R134197				Analysis Date: 4/8/2010			SeqNo: 2570637				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	6.72	1.00						6.720	0	10		

Sample ID: LCS-R134197	SampType: LCS	Units:			Prep Date:			RunNo: 134197				
Client ID: ZZZZZZ	Batch ID: R134197				Analysis Date: 4/8/2010			SeqNo: 2571056				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: I_TSS_M_AT

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: MB-R134204	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134204		
Client ID: ZZZZZZ	Batch ID: R134204					Analysis Date: 4/8/2010			SeqNo: 2570848		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R134204	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134204		
Client ID: ZZZZZZ	Batch ID: R134204					Analysis Date: 4/8/2010			SeqNo: 2570849		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: 10040245-001BDUP	SampType: DUP	Units: mg/L				Prep Date:			RunNo: 134204		
Client ID: 2154 Treated 4/6/10	Batch ID: R134204					Analysis Date: 4/8/2010			SeqNo: 2570855		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	25	6						22.00	12.8	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 134204		
Client ID: ZZZZZZ	Batch ID: R134204					Analysis Date: 4/8/2010			SeqNo: 2571759		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90	6	100.0	0	90.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 134204		
Client ID: ZZZZZZ	Batch ID: R134204					Analysis Date: 4/8/2010			SeqNo: 2571779		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	93	6	100.0	0	93.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 134204		
Client ID: ZZZZZZ	Batch ID: R134204					Analysis Date: 4/8/2010			SeqNo: 2571788		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040245

Report Date: 13-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571788			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	92	6	100.0	0	92.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571791			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	104	6	100.0	0	104.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_GF_ST

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: MB-59556	SampType: MBLK	Units: mg/L	Prep Date: 4/7/2010	RunNo: 134179							
Client ID: ZZZZZZ	Batch ID: 59556	SOP 3044	Analysis Date: 4/8/2010	SeqNo: 2570269							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-59556		SampType: LCS		Units: mg/L		Prep Date: 4/7/2010		RunNo: 134179			
Client ID: ZZZZZZ		Batch ID: 59556		SOP 3044		Analysis Date: 4/8/2010		SeqNo: 2570283			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0143	0.0020	0.01500	0	95.2	80	120			
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Sample ID: 10040245-001DMS		SampType: MS		Units: mg/L		Prep Date: 4/7/2010		RunNo: 134179			
Client ID: 2154 Treated 4/6/10		Batch ID: 59556		SOP 3044		Analysis Date: 4/8/2010		SeqNo: 2570284			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0115	0.0020	0.01500	0.0006496	72.1	70	130			
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Sample ID: 10040245-001DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/7/2010		RunNo: 134179			
Client ID: 2154 Treated 4/6/10		Batch ID: 59556		SOP 3044		Analysis Date: 4/8/2010		SeqNo: 2570294			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0123	0.0020	0.01500	0.0006496	77.5	70	130	0.01147	6.79	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_ICP_ST

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: MB-59539	SampType: MBLK	Units: mg/L				Prep Date: 4/7/2010			RunNo: 134122		
Client ID: ZZZZZZ	Batch ID: 59539	SOP 3034				Analysis Date: 4/8/2010			SeqNo: 2569407		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59539	SampType: LCS	Units: mg/L				Prep Date: 4/7/2010			RunNo: 134122		
Client ID: ZZZZZZ	Batch ID: 59539	SOP 3034				Analysis Date: 4/8/2010			SeqNo: 2569409		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.0	85	115				
Barium	1.96	0.0050	2.000	0	98.2	85	115				
Chromium	0.215	0.0100	0.2000	0	107.4	85	115				
Selenium	2.01	0.0500	2.000	0	100.4	85	115				
Silver	0.0514	0.0100	0.05000	0	102.8	85	115				

Sample ID: 10040245-001DMS	SampType: MS	Units: mg/L				Prep Date: 4/7/2010			RunNo: 134122		
Client ID: 2154 Treated 4/6/10	Batch ID: 59539	SOP 3034				Analysis Date: 4/8/2010			SeqNo: 2569411		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.0	75	125				
Barium	1.92	0.0050	2.000	0.04700	93.4	75	125				
Chromium	0.208	0.0100	0.2000	0	104.2	75	125				
Selenium	2.07	0.0500	2.000	0	103.7	75	125				
Silver	0.0510	0.0100	0.05000	0	102.0	75	125				

Sample ID: 10040245-001DMSD	SampType: MSD	Units: mg/L				Prep Date: 4/7/2010			RunNo: 134122		
Client ID: 2154 Treated 4/6/10	Batch ID: 59539	SOP 3034				Analysis Date: 4/8/2010			SeqNo: 2569412		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_AQ_ICP_ST

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: 10040245-001DMSD		SampType: MSD			Units: mg/L		Prep Date: 4/7/2010			RunNo: 134122		
Client ID: 2154 Treated 4/6/10		Batch ID: 59539			SOP 3034		Analysis Date: 4/8/2010			SeqNo: 2569412		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	2.05	0.0250	2.000	0	102.3	75	125	2.060	0.682	20		
Barium	1.88	0.0050	2.000	0.04700	91.8	75	125	1.916	1.79	20		
Chromium	0.204	0.0100	0.2000	0	102.2	75	125	0.2084	1.99	20		
Selenium	2.02	0.0500	2.000	0	101.0	75	125	2.074	2.64	20		
Silver	0.0490	0.0100	0.05000	0	98.0	75	125	0.05100	4.00	20		

Sample ID: 10040245-001DMS		SampType: MS			Units: mg/L		Prep Date: 4/7/2010			RunNo: 134177		
Client ID: 2154 Treated 4/6/10		Batch ID: 59539			SOP 3034		Analysis Date: 4/8/2010			SeqNo: 2570249		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	0.0454	0.0020	0.05000	0	90.8	75	125					

Sample ID: 10040245-001DMSD		SampType: MSD			Units: mg/L		Prep Date: 4/7/2010			RunNo: 134177		
Client ID: 2154 Treated 4/6/10		Batch ID: 59539			SOP 3034		Analysis Date: 4/8/2010			SeqNo: 2570250		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	0.0451	0.0020	0.05000	0	90.2	75	125	0.04540	0.663	20		

Sample ID: MB-59539		SampType: MBLK			Units: mg/L		Prep Date: 4/7/2010			RunNo: 134194		
Client ID: ZZZZZZ		Batch ID: 59539			SOP 3034		Analysis Date: 4/9/2010			SeqNo: 2571181		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100					

Sample ID: LCS-59539		SampType: LCS			Units: mg/L		Prep Date: 4/7/2010			RunNo: 134194		
Client ID: ZZZZZZ		Batch ID: 59539			SOP 3034		Analysis Date: 4/9/2010			SeqNo: 2571182		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	0.0521	0.0020	0.05000	0	104.2	85	115					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: M_HG_AQ_S

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: MB-59548	SampType: MBLK	Units: mg/L				Prep Date: 4/7/2010			RunNo: 134181		
Client ID: ZZZZZZ	Batch ID: 59548	SOP 3062				Analysis Date: 4/8/2010			SeqNo: 2570109		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00008	0.00020	0.0002000	0	40.0	-100	100				J

Sample ID: LCS-59548	SampType: LCS	Units: mg/L			Prep Date: 4/7/2010			RunNo: 134181			
Client ID: ZZZZZZ	Batch ID: 59548	SOP 3062			Analysis Date: 4/8/2010			SeqNo: 2570110			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00505	0.00020	0.005000	0	101.0	85	115				

Sample ID: 10040245-001DMS		SampType: MS		Units: mg/L		Prep Date: 4/7/2010			RunNo: 134181		
Client ID: 2154 Treated 4/6/10		Batch ID: 59548		SOP 3062		Analysis Date: 4/8/2010			SeqNo: 2570261		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00439	0.00020	0.005000	0.00007000	86.4	75	125				

Sample ID: 10040245-001DMSD	SampType: MSD	Units: mg/L			Prep Date: 4/7/2010			RunNo: 134181			
Client ID: 2154 Treated 4/6/10	Batch ID: 59548	SOP 3062			Analysis Date: 4/8/2010			SeqNo: 2570262			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00432	0.00020	0.005000	0.00007000	85.0	75	125	0.004390	1.61	15	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040245

Report Date: 13-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: MB-59557	SampType: MBLK	Units: mg/L			Prep Date: 4/7/2010			RunNo: 134178			
Client ID: ZZZZZZ	Batch ID: 59557	SW3510C			Analysis Date: 4/8/2010			SeqNo: 2570046			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00308		0.005000		61.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00351		0.01000		35.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00346		0.005000		69.2	39.9	106				
Surr: Phenol-d5	0.00247		0.01000		24.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00398		0.005000		79.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: LCS-59557	SampType: LCS	Units: mg/L			Prep Date: 4/7/2010			RunNo: 134178			
Client ID: ZZZZZZ	Batch ID: 59557	SW3510C			Analysis Date: 4/8/2010			SeqNo: 2570047			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00332	0.00010	0.005000	0	66.4	50.1	103				
Acenaphthylene	0.00329	0.00010	0.005000	0	65.9	53.3	122				
Anthracene	0.00396	0.00010	0.005000	0	79.2	57.4	110				
Benzo(a)anthracene	0.00331	0.00010	0.005000	0	66.3	56	102				
Benzo(a)pyrene	0.00393	0.00010	0.005000	0	78.5	55.4	125				
Benzo(b)fluoranthene	0.00384	0.00010	0.005000	0	76.8	59.3	127				
Benzo(g,h,i)perylene	0.00403	0.00010	0.005000	0	80.6	58.4	125				
Benzo(k)fluoranthene	0.00373	0.00010	0.005000	0	74.6	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00408	0.00200	0.005000	0	81.7	63.2	152				
Chrysene	0.00368	0.00010	0.005000	0	73.6	58.7	118				
Dibenzo(a,h)anthracene	0.00378	0.00010	0.005000	0	75.5	59.3	126				
Diethyl phthalate	0.00351	0.00100	0.005000	0	70.1	55.3	133				
Dimethyl phthalate	0.00355	0.00100	0.005000	0	71.1	55.7	112				
Di-n-butyl phthalate	0.00397	0.00100	0.005000	0	79.4	61.5	130				
Fluoranthene	0.00359	0.00010	0.005000	0	71.7	60.1	117				
Fluorene	0.00359	0.00010	0.005000	0	71.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00385	0.00010	0.005000	0	76.9	58.1	123				
m,p-Cresol	0.00294	0.00010	0.005000	0	58.7	17.9	107				
Naphthalene	0.00310	0.00010	0.005000	0	62.0	36.3	97.1				
o-Cresol	0.00298	0.00010	0.005000	0	59.7	20.5	109				
Phenanthrene	0.00347	0.00010	0.005000	0	69.5	55.9	107				
Pyrene	0.00382	0.00010	0.005000	0	76.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00321		0.005000		64.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00446		0.01000		44.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00378		0.005000		75.6	39.9	106				
Surr: Phenol-d5	0.00310		0.01000		31.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00388		0.005000		77.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: SV_8270S_W_SIMS

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: LCSD-59557		SampType: LCSD		Units: mg/L		Prep Date: 4/7/2010		RunNo: 134178			
Client ID: ZZZZZZ		Batch ID: 59557		SW3510C		Analysis Date: 4/8/2010		SeqNo: 2570048			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00350	0.00010	0.005000	0	70.1	50.1	103	0.003320	5.36	50	
Acenaphthylene	0.00347	0.00010	0.005000	0	69.5	53.3	122	0.003294	5.32	50	
Anthracene	0.00430	0.00010	0.005000	0	86.0	57.4	110	0.003962	8.14	50	
Benzo(a)anthracene	0.00350	0.00010	0.005000	0	69.9	56	102	0.003313	5.38	50	
Benzo(a)pyrene	0.00410	0.00010	0.005000	0	82.0	55.4	125	0.003927	4.29	50	
Benzo(b)fluoranthene	0.00426	0.00010	0.005000	0	85.3	59.3	127	0.003841	10.4	50	
Benzo(g,h,i)perylene	0.00414	0.00010	0.005000	0	82.9	58.4	125	0.004028	2.81	50	
Benzo(k)fluoranthene	0.00400	0.00010	0.005000	0	80.0	61.5	125	0.003729	6.99	50	
Bis(2-ethylhexyl)phthalate	0.00439	0.00200	0.005000	0	87.8	63.2	152	0.004084	7.27	50	
Chrysene	0.00401	0.00010	0.005000	0	80.2	58.7	118	0.003680	8.63	50	
Dibenzo(a,h)anthracene	0.00411	0.00010	0.005000	0	82.2	59.3	126	0.003775	8.47	50	
Diethyl phthalate	0.00385	0.00100	0.005000	0	77.0	55.3	133	0.003506	9.40	40	
Dimethyl phthalate	0.00398	0.00100	0.005000	0	79.6	55.7	112	0.003553	11.4	40	
Di-n-butyl phthalate	0.00395	0.00100	0.005000	0	79.0	61.5	130	0.003972	0.606	50	
Fluoranthene	0.00388	0.00010	0.005000	0	77.7	60.1	117	0.003586	8.00	50	
Fluorene	0.00386	0.00010	0.005000	0	77.3	54.1	110	0.003593	7.27	50	
Indeno(1,2,3-cd)pyrene	0.00414	0.00010	0.005000	0	82.9	58.1	123	0.003845	7.49	50	
m,p-Cresol	0.00292	0.00010	0.005000	0	58.5	17.9	107	0.002935	0.341	50	
Naphthalene	0.00309	0.00010	0.005000	0	61.8	36.3	97.1	0.003101	0.323	50	
o-Cresol	0.00291	0.00010	0.005000	0	58.2	20.5	109	0.002985	2.51	50	
Phenanthrene	0.00391	0.00010	0.005000	0	78.1	55.9	107	0.003474	11.7	50	
Pyrene	0.00389	0.00010	0.005000	0	77.8	61.4	116	0.003818	1.82	50	
Surr: 2-Fluorobiphenyl	0.00336		0.005000		67.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00437		0.01000		43.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00363		0.005000		72.6	39.9	106		0	50	
Surr: Phenol-d5	0.00307		0.01000		30.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00403		0.005000		80.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: LCS-T100407-2	SampType: LCS	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134195		
Client ID: ZZZZZZ	Batch ID: 59587	SW5030				Analysis Date: 4/8/2010			SeqNo: 2570574		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.1	2.0	50.00	0	88.3	82.7	117				
Toluene	45.3	5.0	50.00	0	90.5	79.6	116				
Ethylbenzene	47.1	5.0	50.00	0	94.3	83	113				
Xylenes, Total	138	5.0	150.0	0	92.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	46.8		50.00		93.6	74.7	129				
Surr: 4-Bromofluorobenzene	48.4		50.00		96.7	86	119				
Surr: Dibromofluoromethane	50.4		50.00		100.8	81.7	123				
Surr: Toluene-d8	49.5		50.00		98.9	84.3	114				

Sample ID: LCSD-T100407-2	SampType: LCSD	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134195		
Client ID: ZZZZZZ	Batch ID: 59587	SW5030				Analysis Date: 4/8/2010			SeqNo: 2570575		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.1	2.0	50.00	0	92.2	82.7	117	44.13	4.37	20	
Toluene	46.1	5.0	50.00	0	92.3	79.6	116	45.26	1.90	20	
Ethylbenzene	47.0	5.0	50.00	0	94.0	83	113	47.14	0.255	20	
Xylenes, Total	140	5.0	150.0	0	93.2	80.3	120	138.2	1.19	0	
Surr: 1,2-Dichloroethane-d4	48.3		50.00		96.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119		0	0	
Surr: Dibromofluoromethane	51.5		50.00		103.1	81.7	123		0	0	
Surr: Toluene-d8	49.1		50.00		98.1	84.3	114		0	0	

Sample ID: MBLK-T100407-2	SampType: MBLK	Units: µg/L			Prep Date: 4/8/2010			RunNo: 134195			
Client ID: ZZZZZZ	Batch ID: 59587	SW5030			Analysis Date: 4/8/2010			SeqNo: 2570576			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

TestCode: V_BTEX_W

Lab Order: 10040245

Report Date: 13-Apr-10

Sample ID: MBLK-T100407-2	SampType: MBLK	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134195		
Client ID: ZZZZZZ	Batch ID: 59587	SW5030				Analysis Date: 4/8/2010			SeqNo: 2570576		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	41.6		50.00		83.2	74.7	129				
Surr: 4-Bromofluorobenzene	54.8		50.00		109.5	86	119				
Surr: Dibromofluoromethane	48.4		50.00		96.7	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.3	84.3	114				

Sample ID: 10040245-001FMS	SampType: MS	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134195		
Client ID: 2154 Treated 4/6/10	Batch ID: 59587	SW5030				Analysis Date: 4/8/2010			SeqNo: 2570587		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	58.7	2.0	56.00	0	104.8	57.8	125				
Toluene	43.6	5.0	56.00	0	77.9	75.8	123				
Ethylbenzene	33.0	5.0	56.00	0	58.9	72.8	123				S
Xylenes, Total	44.9	5.0	112.0	0	40.1	73	127				S
Surr: 1,2-Dichloroethane-d4	43.8		50.00		87.7	74.7	129				
Surr: 4-Bromofluorobenzene	43.2		50.00		86.4	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.3	81.7	123				
Surr: Toluene-d8	40.0		50.00		80.0	84.3	114				S

Sample ID: 10040245-001FMSD	SampType: MSD	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134195		
Client ID: 2154 Treated 4/6/10	Batch ID: 59587	SW5030				Analysis Date: 4/8/2010			SeqNo: 2570588		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56.9	2.0	56.00	0	101.6	57.8	125	58.67	3.05	20	
Toluene	45.5	5.0	56.00	0	81.3	75.8	123	43.64	4.20	20	
Ethylbenzene	36.5	5.0	56.00	0	65.2	72.8	123	32.97	10.1	20	S
Xylenes, Total	49.3	5.0	112.0	0	44.0	73	127	44.94	9.17	20	S
Surr: 1,2-Dichloroethane-d4	43.8		50.00		87.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	46.0		50.00		91.9	86	119		0	0	
Surr: Dibromofluoromethane	49.0		50.00		98.1	81.7	123		0	0	
Surr: Toluene-d8	40.3		50.00		80.6	84.3	114		0	0	S

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040245

Report Date: 13-Apr-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

07-Apr-10

Dawn Brantley

Reviewed by:

On:

07-Apr-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

April 15, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10040333

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/8/2010 5:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040333

Report Date: 15-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040333-001	2124-treated-4/8/10	5	4/8/2010 7:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10040333

Report Date: 15-Apr-10

Cooler Receipt Temp: 2.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040333

Lab ID: 10040333-001

Report Date: 15-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2124-treated-4/8/10

Collection Date: 4/8/2010 7:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		6.72		1	4/9/2010 12:14:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		24	mg/L	1	4/8/2010 5:40:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		91	mg/L	1	4/8/2010 6:20:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/9/2010 8:54:05 AM	LAL
Barium	NELAP	0.0050		0.156	mg/L	1	4/9/2010 8:54:05 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/9/2010 8:54:05 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/9/2010 8:54:05 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/9/2010 8:54:05 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/9/2010 8:54:05 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		0.0029	mg/L	1	4/9/2010 9:47:18 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/9/2010 1:25:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00012	mg/L	1	4/9/2010 1:25:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/9/2010 1:25:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00026	mg/L	1	4/9/2010 1:25:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00500		ND	mg/L	50	4/9/2010 4:17:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00500		ND	mg/L	50	4/9/2010 4:17:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00500		ND	mg/L	50	4/9/2010 4:17:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00500		ND	mg/L	50	4/9/2010 4:17:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	4/9/2010 1:25:00 PM	MAV
Chrysene	NELAP	0.00010		0.00035	mg/L	1	4/9/2010 1:25:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00500		ND	mg/L	50	4/9/2010 4:17:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/9/2010 1:25:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/9/2010 1:25:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/9/2010 1:25:00 PM	MAV
Fluoranthene	NELAP	0.00010		0.00070	mg/L	1	4/9/2010 1:25:00 PM	MAV
Fluorene	NELAP	0.00010		0.00040	mg/L	1	4/9/2010 1:25:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00500		ND	mg/L	50	4/9/2010 4:17:00 PM	MAV
m,p-Cresol	NELAP	0.00010		0.00012	mg/L	1	4/9/2010 1:25:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00018	mg/L	1	4/9/2010 1:25:00 PM	MAV
o-Cresol	NELAP	0.00010		0.00024	mg/L	1	4/9/2010 1:25:00 PM	MAV
Phenanthrene	NELAP	0.00010		0.00098	mg/L	1	4/9/2010 1:25:00 PM	MAV
Pyrene	NELAP	0.00010		0.00066	mg/L	1	4/9/2010 1:25:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.116	mg/L	1	4/9/2010 1:25:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10040333
Lab ID: 10040333-001
Report Date: 15-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 2124-treated-4/8/10
Collection Date: 4/8/2010 7:00:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr: 2-Fluorobiphenyl		41.1-108		60.0	%REC	1	4/9/2010 1:25:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		32.8	%REC	1	4/9/2010 1:25:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		64.7	%REC	1	4/9/2010 1:25:00 PM	MAV
Surr: Phenol-d5		11-42.8		11.8	%REC	1	4/9/2010 1:25:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		56.3	%REC	1	4/9/2010 1:25:00 PM	MAV
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
1,2-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
1,3-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
1,4-Dichlorobenzene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,4-Dichlorophenol	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,4-Dimethylphenol	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,4-Dinitrophenol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,4-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2,6-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2-Chloronaphthalene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2-Chlorophenol	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2-Methoxy-4-methylphenol		0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2-Methylnaphthalene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2-Nitroaniline	NELAP	0.040		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
2-Nitrophenol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
3-Nitroaniline	NELAP	0.040		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4-Chloroaniline	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4-Nitroaniline	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
4-Nitrophenol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Aniline	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Azobenzene		0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Benzidine	NELAP	0.040		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Benzoic acid	NELAP	0.050		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Benzyl alcohol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10040333
Lab ID: 10040333-001
Report Date: 15-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 2124-treated-4/8/10
Collection Date: 4/8/2010 7:00:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Bis(2-chloroethyl)ether	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Butyl benzyl phthalate	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Carbazole	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Dibenzofuran	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Di-n-octyl phthalate	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Hexachlorobenzene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Hexachlorobutadiene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Hexachloroethane	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Isophorone	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Nitrobenzene	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
N-Nitrosodimethylamine	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	0.010		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Pentachlorophenol	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Phenol	NELAP	0.005		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Pyridine	NELAP	0.020		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Quinoline		0.005		ND	mg/L	1	4/9/2010 2:11:00 PM	DMH
Surr: 2,4,6-Tribromophenol		27.7-149	S	14.7	%REC	1	4/9/2010 2:11:00 PM	DMH
Surr: 2-Fluorobiphenyl		44.9-116		66.5	%REC	1	4/9/2010 2:11:00 PM	DMH
Surr: 2-Fluorophenol		10.6-78.7		34.3	%REC	1	4/9/2010 2:11:00 PM	DMH
Surr: Nitrobenzene-d5		41.4-104		68.1	%REC	1	4/9/2010 2:11:00 PM	DMH
Surr: Phenol-d5		9.04-52.9		9.1	%REC	1	4/9/2010 2:11:00 PM	DMH
Surr: p-Terphenyl-d14		23.5-114		58.4	%REC	1	4/9/2010 2:11:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040333

Lab ID: 10040333-001

Report Date: 15-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2124-treated-4/8/10

Collection Date: 4/8/2010 7:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
2-Butanone	NELAP	25.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
2-Hexanone	NELAP	25.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
2-Nitropropane	NELAP	50.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Acetone	NELAP	25.0		67.3	µg/L	1	4/8/2010 11:58:00 PM	CCF
Acetonitrile	NELAP	50.0		70.2	µg/L	1	4/8/2010 11:58:00 PM	CCF
Acrolein	NELAP	100		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Acrylonitrile	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Allyl chloride	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Benzene	NELAP	2.0	J	1.1	µg/L	1	4/8/2010 11:58:00 PM	CCF
Bromobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Bromochloromethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Bromodichloromethane	NELAP	5.0	J	2.8	µg/L	1	4/8/2010 11:58:00 PM	CCF
Bromoform	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Bromomethane	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Butyl acetate		25.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Carbon disulfide	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Carbon tetrachloride	NELAP	5.0	J	1.3	µg/L	1	4/8/2010 11:58:00 PM	CCF
Chlorobenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Chloroethane	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Chloroform	NELAP	5.0	J	4.6	µg/L	1	4/8/2010 11:58:00 PM	CCF
Chloromethane	NELAP	10	J	6.4	µg/L	1	4/8/2010 11:58:00 PM	CCF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10040333
Lab ID: 10040333-001
Report Date: 15-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 2124-treated-4/8/10
Collection Date: 4/8/2010 7:00:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroprene	NELAP	20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Cyclohexanone		50.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Dibromochloromethane	NELAP	5.0	J	2.1	µg/L	1	4/8/2010 11:58:00 PM	CCF
Dibromomethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Dichlorodifluoromethane	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Ethyl acetate	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Ethyl ether	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Ethylbenzene	NELAP	5.0	S	ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Heptane		20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Hexachloroethane	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Iodomethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
m,p-Xylenes	NELAP	5.0	S	ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Methacrylonitrile	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Methylacrylate		10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Methylene chloride	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Naphthalene	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
n-Hexane		20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Nitrobenzene	NELAP	50.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
o-Xylene	NELAP	5.0	S	ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Pentachloroethane	NELAP	20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Propionitrile	NELAP	50.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Styrene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10040333
Lab ID: 10040333-001
Report Date: 15-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 2124-treated-4/8/10
Collection Date: 4/8/2010 7:00:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Trichloroethene	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Vinyl acetate	NELAP	10		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Vinyl chloride	NELAP	2.0		ND	µg/L	1	4/8/2010 11:58:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		99.1	%REC	1	4/8/2010 11:58:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119	S	86.7	%REC	1	4/8/2010 11:58:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		101.7	%REC	1	4/8/2010 11:58:00 PM	CCF
Surr: Toluene-d8		84.3-114	S	81.0	%REC	1	4/8/2010 11:58:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	J	0.00008	mg/L	1	4/9/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	4/9/2010 5:21:57 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	4/14/2010 4:16:19 PM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Matrix spikes did not recover within QC limits due to matrix interference.

LCS and LCSD did not recover within QC limits for Naphthalene.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 624908012C**Lab Order:** 10040333**Report Date:** 15-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040333-001A	2124-treated-4/8/10	4/8/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/9/2010 9:38:15 AM	4/9/2010 1:25:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/9/2010 9:38:15 AM	4/9/2010 2:34:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/9/2010 9:38:15 AM	4/9/2010 4:17:00 PM
				SW-846 3510C, 8270C, Semi-Volatile Organic Compounds by GC/MS	4/9/2010 9:44:01 AM	4/9/2010 2:11:00 PM
10040333-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/9/2010 12:14:00 AM
				Standard Methods 18th Ed. 2540 D		4/8/2010 5:40:00 PM
				Standard Methods 18th Ed. 5210 B	4/8/2010 6:20:00 PM	4/8/2010 6:20:00 PM
10040333-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	4/8/2010 5:57:00 PM	4/9/2010 8:54:05 AM
				SW-846 3020A, Metals by GFAA (Total)	4/8/2010 6:02:02 PM	4/9/2010 9:47:18 AM
				SW-846 7470A (Total)	4/9/2010 8:14:24 AM	4/9/2010
10040333-001D				SW-846 9012A		4/9/2010 5:21:57 PM
				SW-846 9012A (Total)		4/14/2010 4:16:19 PM
10040333-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/8/2010 11:58:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: 10040333-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: 2124-treated-4/8/10		Batch ID: R134466						Analysis Date: 4/14/2010			SeqNo: 2578822	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007	0.05000	0	0	75	125				S	

Sample ID: 10040333-001DMSD		SampType: MSD			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: 2124-treated-4/8/10		Batch ID: R134466						Analysis Date: 4/14/2010			SeqNo: 2578823	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007	0.05000	0	0	75	125	0	0	15	S	

Sample ID: MB-R134466		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466						Analysis Date: 4/14/2010			SeqNo: 2578833	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R134466		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466						Analysis Date: 4/14/2010			SeqNo: 2578834	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.095	0.007	0.1000	0	94.7	85	115					

Sample ID: MB-R134466		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466						Analysis Date: 4/14/2010			SeqNo: 2578903	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R134466		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466						Analysis Date: 4/14/2010			SeqNo: 2578904	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCS-R134466	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134466			
Client ID: ZZZZZZ	Batch ID: R134466				Analysis Date: 4/14/2010			SeqNo: 2578904			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.089	0.007	0.1000	0	88.6	85	115				
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Sample ID: MB-R134466	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134466			
Client ID: ZZZZZZ	Batch ID: R134466				Analysis Date: 4/14/2010			SeqNo: 2579243			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134466	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134466			
Client ID: ZZZZZZ	Batch ID: R134466				Analysis Date: 4/14/2010			SeqNo: 2579244			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.105	0.007	0.1000	0	105.3	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_BOD_M_AT

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCS-59597		SampType: LCS		Units: mg/L		Prep Date: 4/8/2010			RunNo: 134357		
Client ID: ZZZZZZ		Batch ID: 59597		SOP 2030		Analysis Date: 4/8/2010			SeqNo: 2575535		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	215	5	198.0	0	108.6	84.6	115.4
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Sample ID: LCSQC-59597		SampType: LCSQC		Units: mg/L		Prep Date: 4/8/2010			RunNo: 134357		
Client ID: ZZZZZZ		Batch ID: 59597		SOP 2030		Analysis Date: 4/8/2010			SeqNo: 2575536		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	93	5	93.60	0	99.4	70.6	127.7
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Sample ID: 10040333-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 4/8/2010			RunNo: 134357		
Client ID: 2124-treated-4/8/10D		Batch ID: 59597		SOP 2030		Analysis Date: 4/8/2010			SeqNo: 2575555		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	94	5						91.00	3.24	40
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040333

Report Date: 15-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R134197	SampType: LCS	Units:			Prep Date:			RunNo: 134197			
Client ID: ZZZZZZ	Batch ID: R134197				Analysis Date: 4/8/2010			SeqNo: 2570635			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				

Sample ID: LCS-R134197	SampType: LCS	Units:			Prep Date:			RunNo: 134197			
Client ID: ZZZZZZ	Batch ID: R134197				Analysis Date: 4/8/2010			SeqNo: 2571056			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				

Sample ID: 10040333-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 134197			
Client ID: 2124-treated-4/8/10D	Batch ID: R134197				Analysis Date: 4/9/2010			SeqNo: 2572625			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	6.68	1.00						6.720	0.597	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_TSS_M_AT

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-R134204	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2570848			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R134204	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2570849			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571759			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90	6	100.0	0	90.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571779			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	93	6	100.0	0	93.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571788			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	92	6	100.0	0	92.0	85	115				

Sample ID: 10040333-001BDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: 2124-treated-4/8/10D	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571790			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040333

Report Date: 15-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: 10040333-001BDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: 2124-treated-4/8/10D	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571790			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	23	6						24.00	4.26	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134204			
Client ID: ZZZZZZ	Batch ID: R134204				Analysis Date: 4/8/2010			SeqNo: 2571791			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	104	6	100.0	0	104.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_GF_ST

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-59593		SampType: MBLK		Units: mg/L		Prep Date: 4/8/2010		RunNo: 134243			
Client ID: ZZZZZZ		Batch ID: 59593		SOP 3044		Analysis Date: 4/9/2010		SeqNo: 2572043			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-59593	SampType: LCS	Units: mg/L	Prep Date: 4/8/2010	RunNo: 134243							
Client ID: ZZZZZZ	Batch ID: 59593	SOP 3044	Analysis Date: 4/9/2010	SeqNo: 2572044							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0148	0.0020	0.01500	0	98.5	80	120			
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Sample ID: 10040333-001CMS		SampType: MS		Units: mg/L		Prep Date: 4/8/2010		RunNo: 134243			
Client ID: 2124-treated-4/8/10		Batch ID: 59593		SOP 3044		Analysis Date: 4/9/2010		SeqNo: 2572055			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0183	0.0020	0.01500	0.002885	102.5	70	130			
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Sample ID: 10040333-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/8/2010			RunNo: 134243		
Client ID: 2124-treated-4/8/10		Batch ID: 59593		SOP 3044		Analysis Date: 4/9/2010			SeqNo: 2572056		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0182	0.0020	0.01500	0.002885	101.9	70	130	0.01825	0.457	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-59589	SampType: MBLK	Units: mg/L				Prep Date: 4/8/2010			RunNo: 134194		
Client ID: ZZZZZZ	Batch ID: 59589	SOP 3034				Analysis Date: 4/9/2010			SeqNo: 2571599		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59589	SampType: LCS	Units: mg/L				Prep Date: 4/8/2010			RunNo: 134194		
Client ID: ZZZZZZ	Batch ID: 59589	SOP 3034				Analysis Date: 4/9/2010			SeqNo: 2571601		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.3	85	115				
Barium	2.09	0.0050	2.000	0	104.5	85	115				
Cadmium	0.0525	0.0020	0.05000	0	105.0	85	115				
Chromium	0.226	0.0100	0.2000	0	113.1	85	115				
Selenium	2.14	0.0500	2.000	0	107.2	85	115				
Silver	0.0548	0.0100	0.05000	0	109.6	85	115				

Sample ID: 10040333-001CMS	SampType: MS	Units: mg/L				Prep Date: 4/8/2010			RunNo: 134194		
Client ID: 2124-treated-4/8/10	Batch ID: 59589	SOP 3034				Analysis Date: 4/9/2010			SeqNo: 2571603		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	105.1	75	125				
Barium	2.09	0.0050	2.000	0.1556	96.6	75	125				
Cadmium	0.0479	0.0020	0.05000	0	95.8	75	125				
Chromium	0.211	0.0100	0.2000	0	105.4	75	125				
Selenium	2.16	0.0500	2.000	0	107.9	75	125				
Silver	0.0515	0.0100	0.05000	0	103.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: 10040333-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/8/2010		RunNo: 134194			
Client ID: 2124-treated-4/8/10		Batch ID: 59589		SOP 3034		Analysis Date: 4/9/2010		SeqNo: 2571604			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.13	0.0250	2.000	0	106.7	75	125	2.102	1.51	20	
Barium	2.10	0.0050	2.000	0.1556	97.4	75	125	2.087	0.764	20	
Cadmium	0.0488	0.0020	0.05000	0	97.6	75	125	0.04790	1.86	20	
Chromium	0.216	0.0100	0.2000	0	107.8	75	125	0.2108	2.30	20	
Selenium	2.19	0.0500	2.000	0	109.5	75	125	2.158	1.47	20	
Silver	0.0522	0.0100	0.05000	0	104.4	75	125	0.05150	1.35	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_HG_AQ_S

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-59618		SampType: MBLK			Units: mg/L		Prep Date: 4/9/2010			RunNo: 134256		
Client ID: ZZZZZZ		Batch ID: 59618			SOP 3062		Analysis Date: 4/9/2010			SeqNo: 2572337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-59618		SampType: LCS			Units: mg/L		Prep Date: 4/9/2010			RunNo: 134256		
Client ID: ZZZZZZ		Batch ID: 59618			SOP 3062		Analysis Date: 4/9/2010			SeqNo: 2572338		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00523	0.00020	0.005000	0	104.6	85	115				
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Sample ID: 10040333-001CMS		SampType: MS		Units: mg/L		Prep Date: 4/9/2010		RunNo: 134256			
Client ID: 2124-treated-4/8/10		Batch ID: 59618		SOP 3062		Analysis Date: 4/9/2010		SeqNo: 2572340			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00484	0.00020	0.005000	0.00008000	95.2	75	125				
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Sample ID: 10040333-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/9/2010		RunNo: 134256			
Client ID: 2124-treated-4/8/10		Batch ID: 59618		SOP 3062		Analysis Date: 4/9/2010		SeqNo: 2572341			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00482	0.00020	0.005000	0.00008000	94.8	75	125	0.004840	0.414	15	
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040333

Report Date: 15-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W

Sample ID: MB-59584	SampType: MBLK	Units: mg/L	Prep Date: 4/8/2010	RunNo: 134257							
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C	Analysis Date: 4/9/2010	SeqNo: 2572410							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.010									
1,2-Dichlorobenzene	ND	0.010									
1,3-Dichlorobenzene	ND	0.010									
1,4-Dichlorobenzene	ND	0.010									
2,4,5-Trichlorophenol	ND	0.010									
2,4,6-Trichlorophenol	ND	0.010									
2,4-Dichlorophenol	ND	0.010									
2,4-Dimethylphenol	ND	0.010									
2,4-Dinitrophenol	ND	0.020									
2,4-Dinitrotoluene	ND	0.010									
2,6-Dinitrotoluene	ND	0.010									
2-Chloronaphthalene	ND	0.010									
2-Chlorophenol	ND	0.010									
2-Methoxy-4-methylphenol	ND	0.010									
2-Methylnaphthalene	ND	0.010									
2-Nitroaniline	ND	0.040									
2-Nitrophenol	ND	0.020									
3,3´-Dichlorobenzidine	ND	0.010									
3-Nitroaniline	ND	0.040									
4,6-Dinitro-2-methylphenol	ND	0.020									
4-Bromophenyl phenyl ether	ND	0.010									
4-Chloro-3-methylphenol	ND	0.020									
4-Chloroaniline	ND	0.020									
4-Chlorophenyl phenyl ether	ND	0.010									
4-Nitroaniline	ND	0.020									
4-Nitrophenol	ND	0.020									
Acenaphthene	ND	0.010									
Acenaphthylene	ND	0.010									
Aniline	ND	0.020									
Anthracene	ND	0.010									
Azobenzene	ND	0.010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-59584	SampType: MBLK	Units: mg/L	Prep Date: 4/8/2010	RunNo: 134257							
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C	Analysis Date: 4/9/2010	SeqNo: 2572410							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	ND	0.040									
Benzo(a)anthracene	ND	0.010									
Benzo(a)pyrene	ND	0.010									
Benzo(b)fluoranthene	ND	0.010									
Benzo(g,h,i)perylene	ND	0.010									
Benzo(k)fluoranthene	ND	0.010									
Benzoic acid	ND	0.050									
Benzyl alcohol	ND	0.020									
Bis(2-chloroethoxy)methane	ND	0.010									
Bis(2-chloroethyl)ether	ND	0.010									
Bis(2-chloroisopropyl)ether	ND	0.010									
Bis(2-ethylhexyl)phthalate	ND	0.006									
Butyl benzyl phthalate	ND	0.010									
Carbazole	ND	0.020									
Chrysene	ND	0.010									
Dibenzo(a,h)anthracene	ND	0.010									
Dibenzofuran	ND	0.010									
Diethyl phthalate	ND	0.010									
Dimethyl phthalate	ND	0.010									
Di-n-butyl phthalate	ND	0.010									
Di-n-octyl phthalate	ND	0.010									
Fluoranthene	ND	0.010									
Fluorene	ND	0.010									
Hexachlorobenzene	ND	0.010									
Hexachlorobutadiene	ND	0.010									
Hexachlorocyclopentadiene	ND	0.020									
Hexachloroethane	ND	0.010									
Indeno(1,2,3-cd)pyrene	ND	0.010									
Isophorone	ND	0.010									
m,p-Cresol	ND	0.010									
Naphthalene	ND	0.010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-59584	SampType: MBLK	Units: mg/L			Prep Date: 4/8/2010			RunNo: 134257			
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C			Analysis Date: 4/9/2010			SeqNo: 2572410			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	ND	0.010									
N-Nitrosodimethylamine	ND	0.020									
N-Nitroso-di-n-propylamine	ND	0.010									
N-Nitrosodiphenylamine	ND	0.010									
o-Cresol	ND	0.010									
Pentachlorophenol	ND	0.020									
Phenanthrene	ND	0.010									
Phenol	ND	0.005									
Pyrene	ND	0.010									
Pyridine	ND	0.020									
Quinoline	ND	0.005									
Surr: 2,4,6-Tribromophenol	0.033		0.05000		65.3	46.1	133				
Surr: 2-Fluorobiphenyl	0.015		0.02500		61.4	47.3	111				
Surr: 2-Fluorophenol	0.022		0.05000		43.6	23.4	74.8				
Surr: Nitrobenzene-d5	0.017		0.02500		66.6	40.6	108				
Surr: Phenol-d5	0.012		0.05000		24.4	17.8	50.9				
Surr: p-Terphenyl-d14	0.017		0.02500		67.5	52.2	124				

Sample ID: LCS-59584	SampType: LCS	Units: mg/L				Prep Date: 4/8/2010			RunNo: 134257		
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C				Analysis Date: 4/9/2010			SeqNo: 2572411		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.034	0.010	0.05000	0	68.7	45.1	97.4				
1,4-Dichlorobenzene	0.032	0.010	0.05000	0	64.0	43.2	86.1				
2,4,5-Trichlorophenol	0.078	0.010	0.1000	0	78.4	56.5	117				
2,4,6-Trichlorophenol	0.089	0.010	0.1000	0	89.3	52.3	113				
2,4-Dimethylphenol	0.092	0.010	0.1000	0	91.7	56.4	105				
2,4-Dinitrophenol	0.067	0.020	0.1000	0	67.0	37.4	119				
2,4-Dinitrotoluene	0.034	0.010	0.05000	0	67.5	52.8	110				
2-Chlorophenol	0.078	0.010	0.1000	0	77.6	51.7	95.4				
4-Chloro-3-methylphenol	0.082	0.020	0.1000	0	82.3	55.4	109				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCS-59584	SampType: LCS	Units: mg/L				Prep Date: 4/8/2010			RunNo: 134257		
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C				Analysis Date: 4/9/2010			SeqNo: 2572411		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	0.032	0.020	0.1000	0	31.8	19.4	50.5				
Acenaphthene	0.035	0.010	0.05000	0	71.0	53.4	101				
Acenaphthylene	0.038	0.010	0.05000	0	75.4	52.3	146				
Anthracene	0.036	0.010	0.05000	0	71.0	53.7	105				
Benzo(a)anthracene	0.033	0.010	0.05000	0	66.0	53.4	105				
Benzo(a)pyrene	0.037	0.010	0.05000	0	73.3	57	112				
Benzo(b)fluoranthene	0.035	0.010	0.05000	0	69.3	48	99.8				
Benzo(g,h,i)perylene	0.039	0.010	0.05000	0	77.0	50	113				
Benzo(k)fluoranthene	0.038	0.010	0.05000	0	75.9	51.5	125				
Bis(2-ethylhexyl)phthalate	0.035	0.006	0.05000	0	69.8	52.9	115				
Chrysene	0.035	0.010	0.05000	0	70.7	50.5	115				
Dibenzo(a,h)anthracene	0.039	0.010	0.05000	0	77.4	53.6	112				
Diethyl phthalate	0.077	0.010	0.1000	0	77.0	54.4	111				
Dimethyl phthalate	0.077	0.010	0.1000	0	77.1	56.5	107				
Di-n-butyl phthalate	0.036	0.010	0.05000	0	73.0	52.7	113				
Fluoranthene	0.038	0.010	0.05000	0	75.7	55.3	108				
Fluorene	0.033	0.010	0.05000	0	65.4	52.5	106				
Hexachlorobenzene	0.077	0.010	0.1000	0	76.8	55.6	113				
Hexachlorobutadiene	0.070	0.010	0.1000	0	70.3	42.3	98.5				
Hexachloroethane	0.070	0.010	0.1000	0	70.4	37.4	90.8				
Indeno(1,2,3-cd)pyrene	0.040	0.010	0.05000	0	79.5	50.9	112				
m,p-Cresol	0.031	0.010	0.05000	0	62.5	44	85.1				
Naphthalene	0.035	0.010	0.05000	0	69.5	48.8	94.7				
Nitrobenzene	0.071	0.010	0.1000	0	71.5	48.1	102				
N-Nitroso-di-n-propylamine	0.041	0.010	0.05000	0	81.5	53.2	110				
o-Cresol	0.032	0.010	0.05000	0	63.1	46.7	91.9				
Pentachlorophenol	0.089	0.020	0.1000	0	89.0	43.4	111				
Phenanthrene	0.037	0.010	0.05000	0	73.4	52.6	108				
Phenol	0.027	0.005	0.1000	0	26.5	21.9	42.6				
Pyrene	0.036	0.010	0.05000	0	72.9	54.3	107				
Pyridine	0.044	0.020	0.1000	0	44.0	20.2	61.5				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCS-59584	SampType: LCS	Units: mg/L			Prep Date: 4/8/2010			RunNo: 134257			
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C			Analysis Date: 4/9/2010			SeqNo: 2572411			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Quinoline	0.038	0.005	0.05000	0	76.6	58.5	111				
Surr: 2,4,6-Tribromophenol	0.034		0.05000		67.6	46.1	133				
Surr: 2-Fluorobiphenyl	0.015		0.02500		60.8	47.3	111				
Surr: 2-Fluorophenol	0.023		0.05000		45.4	23.4	74.8				
Surr: Nitrobenzene-d5	0.017		0.02500		66.0	40.6	108				
Surr: Phenol-d5	0.013		0.05000		26.3	17.8	50.9				
Surr: p-Terphenyl-d14	0.017		0.02500		67.5	52.2	124				

Sample ID: LCSD-59584	SampType: LCSD	Units: mg/L			Prep Date: 4/8/2010			RunNo: 134257			
Client ID: ZZZZZZ	Batch ID: 59584	SW3510C			Analysis Date: 4/9/2010			SeqNo: 2572525			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.034	0.010	0.05000	0	67.7	45.1	97.4	0.03434	1.37	40	
1,4-Dichlorobenzene	0.029	0.010	0.05000	0	57.8	43.2	86.1	0.03201	10.2	40	
2,4,5-Trichlorophenol	0.083	0.010	0.1000	0	82.7	56.5	117	0.07844	5.30	40	
2,4,6-Trichlorophenol	0.090	0.010	0.1000	0	90.4	52.3	113	0.08935	1.17	40	
2,4-Dimethylphenol	0.090	0.010	0.1000	0	90.0	56.4	105	0.09167	1.79	40	
2,4-Dinitrophenol	0.075	0.020	0.1000	0	74.7	37.4	119	0.06702	10.8	40	
2,4-Dinitrotoluene	0.034	0.010	0.05000	0	68.5	52.8	110	0.03376	1.45	40	
2-Chlorophenol	0.078	0.010	0.1000	0	78.4	51.7	95.4	0.07763	0.983	60.5	
4-Chloro-3-methylphenol	0.083	0.020	0.1000	0	83.3	55.4	109	0.08232	1.24	40	
4-Nitrophenol	0.032	0.020	0.1000	0	32.4	19.4	50.5	0.03178	2.03	40	
Acenaphthene	0.036	0.010	0.05000	0	72.5	53.4	101	0.03549	2.08	40	
Acenaphthylene	0.039	0.010	0.05000	0	78.4	52.3	146	0.03769	3.93	40	
Anthracene	0.036	0.010	0.05000	0	72.4	53.7	105	0.03552	1.86	40	
Benzo(a)anthracene	0.034	0.010	0.05000	0	67.2	53.4	105	0.03298	1.81	40	
Benzo(a)pyrene	0.037	0.010	0.05000	0	74.5	57	112	0.03663	1.62	40	
Benzo(b)fluoranthene	0.035	0.010	0.05000	0	69.3	48	99.8	0.03466	0.00577	40	
Benzo(g,h,i)perylene	0.040	0.010	0.05000	0	79.4	50	113	0.03852	2.99	40	
Benzo(k)fluoranthene	0.039	0.010	0.05000	0	77.3	51.5	125	0.03797	1.74	40	
Bis(2-ethylhexyl)phthalate	0.036	0.006	0.05000	0	71.4	52.9	115	0.03491	2.17	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCSD-59584		SampType: LCSD		Units: mg/L		Prep Date: 4/8/2010			RunNo: 134257		
Client ID: ZZZZZZ		Batch ID: 59584		SW3510C		Analysis Date: 4/9/2010			SeqNo: 2572525		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	0.036	0.010	0.05000	0	71.9	50.5	115	0.03537	1.61	40	
Dibenzo(a,h)anthracene	0.040	0.010	0.05000	0	79.9	53.6	112	0.03869	3.17	40	
Diethyl phthalate	0.082	0.010	0.1000	0	81.8	54.4	111	0.07702	6.01	40	
Dimethyl phthalate	0.080	0.010	0.1000	0	79.7	56.5	107	0.07713	3.32	40	
Di-n-butyl phthalate	0.038	0.010	0.05000	0	75.5	52.7	113	0.03648	3.39	40	
Fluoranthene	0.038	0.010	0.05000	0	76.1	55.3	108	0.03785	0.564	40	
Fluorene	0.033	0.010	0.05000	0	66.9	52.5	106	0.03270	2.32	40	
Hexachlorobenzene	0.079	0.010	0.1000	0	78.5	55.6	113	0.07681	2.19	40	
Hexachlorobutadiene	0.069	0.010	0.1000	0	69.2	42.3	98.5	0.07026	1.59	40	
Hexachloroethane	0.066	0.010	0.1000	0	66.5	37.4	90.8	0.07036	5.70	40	
Indeno(1,2,3-cd)pyrene	0.040	0.010	0.05000	0	80.6	50.9	112	0.03973	1.42	40	
m,p-Cresol	0.033	0.010	0.05000	0	65.3	44	85.1	0.03124	4.41	40	
Naphthalene	0.034	0.010	0.05000	0	67.1	48.8	94.7	0.03473	3.49	40	
Nitrobenzene	0.072	0.010	0.1000	0	71.6	48.1	102	0.07148	0.190	40	
N-Nitroso-di-n-propylamine	0.040	0.010	0.05000	0	80.3	53.2	110	0.04075	1.47	40	
o-Cresol	0.031	0.010	0.05000	0	61.6	46.7	91.9	0.03155	2.42	40	
Pentachlorophenol	0.089	0.020	0.1000	0	89.0	43.4	111	0.08899	0.0315	40	
Phenanthrene	0.037	0.010	0.05000	0	74.6	52.6	108	0.03668	1.72	40	
Phenol	0.027	0.005	0.1000	0	27.1	21.9	42.6	0.02653	2.13	48.9	
Pyrene	0.037	0.010	0.05000	0	73.3	54.3	107	0.03644	0.575	40	
Pyridine	0.043	0.020	0.1000	0	43.4	20.2	61.5	0.04396	1.19	40	
Quinoline	0.038	0.005	0.05000	0	76.1	58.5	111	0.03831	0.736	40	
Surr: 2,4,6-Tribromophenol	0.035		0.05000		69.7	46.1	133		0	0	
Surr: 2-Fluorobiphenyl	0.014		0.02500		57.3	47.3	111		0	0	
Surr: 2-Fluorophenol	0.023		0.05000		45.5	23.4	74.8		0	0	
Surr: Nitrobenzene-d5	0.016		0.02500		65.4	40.6	108		0	0	
Surr: Phenol-d5	0.013		0.05000		26.0	17.8	50.9		0	0	
Surr: p-Terphenyl-d14	0.017		0.02500		66.6	52.2	124		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MB-59601	SampType: MBLK	Units: mg/L			Prep Date: 4/8/2010			RunNo: 134253			
Client ID: ZZZZZZ	Batch ID: 59601	SW3510C			Analysis Date: 4/9/2010			SeqNo: 2572185			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	0.00010									
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	0.0010	0.00200									J
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0157		0.02500		62.8	41.9	97.9				
Surr: 2-Fluorophenol	0.0216		0.05000		43.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.0178		0.02500		71.2	39.9	106				
Surr: Phenol-d5	0.0127		0.05000		25.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.0173		0.02500		69.3	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCS-59601	SampType: LCS	Units: mg/L				Prep Date: 4/8/2010			RunNo: 134253		
Client ID: ZZZZZZ	Batch ID: 59601	SW3510C				Analysis Date: 4/9/2010			SeqNo: 2572186		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	0.00284	0.00010	0.005000	0	56.7	50	150				
Acenaphthene	0.00302	0.00010	0.005000	0	60.5	50.1	103				
Acenaphthylene	0.00306	0.00010	0.005000	0	61.2	53.3	122				
Anthracene	0.00334	0.00010	0.005000	0	66.7	57.4	110				
Benzo(a)anthracene	0.00300	0.00010	0.005000	0	60.1	56	102				
Benzo(a)pyrene	0.00341	0.00010	0.005000	0	68.2	55.4	125				
Benzo(b)fluoranthene	0.00349	0.00010	0.005000	0	69.8	59.3	127				
Benzo(g,h,i)perylene	0.00347	0.00010	0.005000	0	69.5	58.4	125				
Benzo(k)fluoranthene	0.00349	0.00010	0.005000	0	69.9	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00405	0.00200	0.005000	0	80.9	63.2	152				
Chrysene	0.00338	0.00010	0.005000	0	67.5	58.7	118				
Dibenzo(a,h)anthracene	0.00338	0.00010	0.005000	0	67.6	59.3	126				
Diethyl phthalate	0.00334	0.00100	0.005000	0	66.9	55.3	133				
Dimethyl phthalate	0.00369	0.00100	0.005000	0	73.7	55.7	112				
Di-n-butyl phthalate	0.00340	0.00100	0.005000	0	68.0	61.5	130				
Fluoranthene	0.00337	0.00010	0.005000	0	67.4	60.1	117				
Fluorene	0.00320	0.00010	0.005000	0	64.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00342	0.00010	0.005000	0	68.4	58.1	123				
m,p-Cresol	0.00258	0.00010	0.005000	0	51.6	17.9	107				
Naphthalene	0.00292	0.00010	0.005000	0	58.4	36.3	97.1				
o-Cresol	0.00281	0.00010	0.005000	0	56.2	20.5	109				
Phenanthrene	0.00302	0.00010	0.005000	0	60.5	55.9	107				
Pyrene	0.00346	0.00010	0.005000	0	69.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.0155		0.02500		62.0	41.9	97.9				
Surr: 2-Fluorophenol	0.0210		0.05000		41.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.0171		0.02500		68.2	39.9	106				
Surr: Phenol-d5	0.0131		0.05000		26.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.0171		0.02500		68.2	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCSD-59601		SampType: LCSD		Units: mg/L		Prep Date: 4/8/2010		RunNo: 134253			
Client ID: ZZZZZZ		Batch ID: 59601		SW3510C		Analysis Date: 4/9/2010		SeqNo: 2572187			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	0.00278	0.00010	0.005000	0	55.6	50	150	0.002835	2.03	40	
Acenaphthene	0.00298	0.00010	0.005000	0	59.7	50.1	103	0.003024	1.33	50	
Acenaphthylene	0.00290	0.00010	0.005000	0	58.0	53.3	122	0.003062	5.50	50	
Anthracene	0.00328	0.00010	0.005000	0	65.7	57.4	110	0.003336	1.57	50	
Benzo(a)anthracene	0.00298	0.00010	0.005000	0	59.5	56	102	0.003005	1.00	50	
Benzo(a)pyrene	0.00344	0.00010	0.005000	0	68.8	55.4	125	0.003408	0.906	50	
Benzo(b)fluoranthene	0.00350	0.00010	0.005000	0	70.0	59.3	127	0.003489	0.343	50	
Benzo(g,h,i)perylene	0.00337	0.00010	0.005000	0	67.4	58.4	125	0.003473	3.01	50	
Benzo(k)fluoranthene	0.00344	0.00010	0.005000	0	68.8	61.5	125	0.003493	1.53	50	
Bis(2-ethylhexyl)phthalate	0.00429	0.00200	0.005000	0	85.9	63.2	152	0.004046	5.95	50	
Chrysene	0.00329	0.00010	0.005000	0	65.9	58.7	118	0.003375	2.46	50	
Dibenzo(a,h)anthracene	0.00332	0.00010	0.005000	0	66.5	59.3	126	0.003380	1.64	50	
Diethyl phthalate	0.00328	0.00100	0.005000	0	65.6	55.3	133	0.003343	1.93	40	
Dimethyl phthalate	0.00357	0.00100	0.005000	0	71.4	55.7	112	0.003686	3.17	40	
Di-n-butyl phthalate	0.00339	0.00100	0.005000	0	67.8	61.5	130	0.003401	0.324	50	
Fluoranthene	0.00330	0.00010	0.005000	0	65.9	60.1	117	0.003370	2.25	50	
Fluorene	0.00301	0.00010	0.005000	0	60.1	54.1	110	0.003198	6.19	50	
Indeno(1,2,3-cd)pyrene	0.00335	0.00010	0.005000	0	66.9	58.1	123	0.003422	2.22	50	
m,p-Cresol	0.00266	0.00010	0.005000	0	53.1	17.9	107	0.002581	2.90	50	
Naphthalene	0.00274	0.00010	0.005000	0	54.8	36.3	97.1	0.002921	6.36	50	
o-Cresol	0.00275	0.00010	0.005000	0	55.1	20.5	109	0.002808	1.98	50	
Phenanthrene	0.00316	0.00010	0.005000	0	63.2	55.9	107	0.003025	4.43	50	
Pyrene	0.00340	0.00010	0.005000	0	67.9	61.4	116	0.003460	1.90	50	
Surr: 2-Fluorobiphenyl	0.0147		0.02500		58.9	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0213		0.05000		42.6	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0158		0.02500		63.4	39.9	106		0	50	
Surr: Phenol-d5	0.0131		0.05000		26.2	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0169		0.02500		67.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_8260S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCS-R100408-1	SampType: LCS	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134259		
Client ID: ZZZZZZ	Batch ID: 59628	SW5030				Analysis Date: 4/8/2010			SeqNo: 2572477		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	52.2	5.0	50.00	0	104.4	82.5	119				
1,1-Dichloroethene	50.6	5.0	50.00	0	101.2	76.5	122				
1,2-Dibromoethane	52.3	5.0	50.00	0	104.7	85	115				
1,2-Dichlorobenzene	49.8	5.0	50.00	0	99.7	86.4	116				
1,2-Dichloroethane	50.6	5.0	50.00	0	101.1	82	121				
1,3-Dichlorobenzene	51.1	5.0	50.00	0	102.2	85.2	116				
1,4-Dichlorobenzene	51.9	5.0	50.00	0	103.7	83.6	117				
2-Butanone	141	25.0	125.0	0	113.2	65	124				
Benzene	52.0	2.0	50.00	0	104.1	82.7	117				
Bromodichloromethane	55.0	5.0	50.00	0	109.9	87.4	117				
Carbon tetrachloride	52.3	5.0	50.00	0	104.6	78.8	130				
Chlorobenzene	51.2	5.0	50.00	0	102.4	84.5	114				
Chloroform	51.2	5.0	50.00	0	102.3	79	113				
Dibromochloromethane	53.4	5.0	50.00	0	106.7	84	119				
Ethylbenzene	47.7	5.0	50.00	0	95.4	83	113				
m,p-Xylenes	102	5.0	100.0	0	101.7	80.3	116				
Methyl tert-butyl ether	53.7	2.0	50.00	0	107.4	69.1	121				
Methylene chloride	47.2	5.0	50.00	0	94.4	79.1	122				
Naphthalene	66.0	10	50.00	0	131.9	60.4	129				S
o-Xylene	50.6	5.0	50.00	0	101.1	83.2	120				
Tetrachloroethene	52.9	5.0	50.00	0	105.7	68.7	113				
Toluene	52.3	5.0	50.00	0	104.7	79.6	116				
Trichloroethene	53.9	5.0	50.00	0	107.8	79.4	111				
Surr: 1,2-Dichloroethane-d4	49.2		50.00		98.3	74.7	129				
Surr: 4-Bromofluorobenzene	48.2		50.00		96.4	86	119				
Surr: Dibromofluoromethane	49.9		50.00		99.8	81.7	123				
Surr: Toluene-d8	51.7		50.00		103.4	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_8260S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: LCSD-R100408-1		SampType: LCSD		Units: µg/L		Prep Date: 4/8/2010			RunNo: 134259		
Client ID: ZZZZZZ		Batch ID: 59628		SW5030		Analysis Date: 4/8/2010			SeqNo: 2572478		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50.9	5.0	50.00	0	101.9	82.5	119	52.19	2.44	20	S
1,1-Dichloroethene	47.6	5.0	50.00	0	95.2	76.5	122	50.58	6.07	20	
1,2-Dibromoethane	50.8	5.0	50.00	0	101.7	85	115	52.34	2.89	20	
1,2-Dichlorobenzene	50.4	5.0	50.00	0	100.7	86.4	116	49.83	1.04	20	
1,2-Dichloroethane	50.4	5.0	50.00	0	100.8	82	121	50.57	0.317	20	
1,3-Dichlorobenzene	52.1	5.0	50.00	0	104.3	85.2	116	51.11	2.00	20	
1,4-Dichlorobenzene	52.7	5.0	50.00	0	105.3	83.6	117	51.86	1.55	20	
2-Butanone	149	25.0	125.0	0	119.1	65	124	141.5	5.10	20	
Benzene	49.6	2.0	50.00	0	99.3	82.7	117	52.03	4.68	20	
Bromodichloromethane	53.7	5.0	50.00	0	107.3	87.4	117	54.95	2.36	20	
Carbon tetrachloride	50.4	5.0	50.00	0	100.9	78.8	130	52.29	3.60	20	
Chlorobenzene	49.6	5.0	50.00	0	99.1	84.5	114	51.20	3.24	20	
Chloroform	49.6	5.0	50.00	0	99.3	79	113	51.17	3.02	20	
Dibromochloromethane	50.9	5.0	50.00	0	101.7	84	119	53.37	4.80	20	
Ethylbenzene	47.1	5.0	50.00	0	94.2	83	113	47.68	1.20	20	
m,p-Xylenes	95.6	5.0	100.0	0	95.6	80.3	116	101.7	6.22	20	
Methyl tert-butyl ether	53.5	2.0	50.00	0	107.0	69.1	121	53.72	0.429	20	
Methylene chloride	46.8	5.0	50.00	0	93.6	79.1	122	47.18	0.766	20	
Naphthalene	69.1	10	50.00	0	138.2	60.4	129	65.95	4.65	20	
o-Xylene	49.2	5.0	50.00	0	98.4	83.2	120	50.56	2.75	20	
Tetrachloroethene	50.2	5.0	50.00	0	100.3	68.7	113	52.86	5.26	20	
Toluene	49.9	5.0	50.00	0	99.7	79.6	116	52.34	4.83	20	
Trichloroethene	51.4	5.0	50.00	0	102.8	79.4	111	53.88	4.69	20	
Surr: 1,2-Dichloroethane-d4	48.6		50.00		97.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119		0	0	
Surr: Dibromofluoromethane	49.5		50.00		98.9	81.7	123		0	0	
Surr: Toluene-d8	50.4		50.00		100.8	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040333

Report Date: 15-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260S_W

Sample ID: MBLK-R100408-1	SampType: MBLK	Units: µg/L			Prep Date: 4/8/2010			RunNo: 134259			
Client ID: ZZZZZZ	Batch ID: 59628	SW5030			Analysis Date: 4/8/2010			SeqNo: 2572479			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloro-2-propanone	ND	50.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,3-Trimethylbenzene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
1-Chlorobutane	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	25.0									
2-Chloroethyl vinyl ether	ND	20.0									
2-Chlorotoluene	ND	5.0									
2-Hexanone	ND	25.0									
2-Nitropropane	ND	50.0									
4-Chlorotoluene	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_8260S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MBLK-R100408-1	SampType: MBLK	Units: µg/L			Prep Date: 4/8/2010			RunNo: 134259			
Client ID: ZZZZZZ	Batch ID: 59628	SW5030			Analysis Date: 4/8/2010			SeqNo: 2572479			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	25.0									
Acetone	ND	25.0									
Acetonitrile	ND	50.0									
Acrolein	ND	100									
Acrylonitrile	ND	5.0									
Allyl chloride	ND	5.0									
Benzene	ND	2.0									
Bromobenzene	ND	5.0									
Bromochloromethane	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Butyl acetate	ND	25.0									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
Chloroprene	ND	20.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
cis-1,4-Dichloro-2-butene	ND	5.0									
Cyclohexanone	ND	50.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethyl acetate	ND	10									
Ethyl ether	ND	5.0									
Ethyl methacrylate	ND	5.0									
Ethylbenzene	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_8260S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MBLK-R100408-1	SampType: MBLK	Units: µg/L			Prep Date: 4/8/2010			RunNo: 134259			
Client ID: ZZZZZZ	Batch ID: 59628	SW5030			Analysis Date: 4/8/2010			SeqNo: 2572479			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptane	ND	20.0									
Hexachlorobutadiene	ND	5.0									
Hexachloroethane	ND	10									
Iodomethane	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylenes	ND	5.0									
Methacrylonitrile	ND	10									
Methyl Methacrylate	ND	5.0									
Methyl tert-butyl ether	ND	2.0									
Methylacrylate	ND	10									
Methylene chloride	ND	5.0									
Naphthalene	ND	10									
n-Butylbenzene	ND	5.0									
n-Hexane	ND	20.0									
Nitrobenzene	ND	50.0									
n-Propylbenzene	ND	5.0									
o-Xylene	ND	5.0									
Pentachloroethane	ND	20.0									
p-Isopropyltoluene	ND	5.0									
Propionitrile	ND	50.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Tetrahydrofuran	ND	20.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
trans-1,4-Dichloro-2-butene	ND	10									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_8260S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: MBLK-R100408-1	SampType: MBLK	Units: µg/L	Prep Date: 4/8/2010	RunNo: 134259							
Client ID: ZZZZZZ	Batch ID: 59628	SW5030	Analysis Date: 4/8/2010	SeqNo: 2572479							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl acetate

ND

10

Vinyl chloride

ND

2.0

Surr: 1,2-Dichloroethane-d4

48.9

50.00

97.7

74.7

129

Surr: 4-Bromofluorobenzene

50.1

50.00

100.2

86

119

Surr: Dibromofluoromethane

51.6

50.00

103.1

81.7

123

Surr: Toluene-d8

49.1

50.00

98.2

84.3

114

Sample ID: 10040333-001EMS	SampType: MS	Units: µg/L				Prep Date: 4/8/2010				RunNo: 134259		
Client ID: 2124-treated-4/8/10	Batch ID: 59628	SW5030				Analysis Date: 4/9/2010				SeqNo: 2572487		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

1,1-Dichloroethene

32.1

5.0

62.00

0

51.8

21.4

139

Benzene

64.8

2.0

62.00

1.060

102.7

57.8

125

Chlorobenzene

65.2

5.0

62.00

0

105.1

72.9

119

Ethylbenzene

39.0

5.0

62.00

0

62.9

72.8

123

S

m,p-Xylenes

30.0

5.0

62.00

0

48.5

74.6

125

S

o-Xylene

32.7

5.0

62.00

0

52.8

73

127

S

Toluene

50.4

5.0

62.00

0

81.3

75.8

123

Trichloroethene

48.8

5.0

62.00

0

78.7

67.1

115

Surr: 1,2-Dichloroethane-d4

49.6

50.00

99.2

74.7

129

Surr: 4-Bromofluorobenzene

44.7

50.00

89.5

86

119

Surr: Dibromofluoromethane

50.2

50.00

100.3

81.7

123

Surr: Toluene-d8

41.3

50.00

82.6

84.3

114

S

Sample ID: 10040333-001EMSD	SampType: MSD	Units: µg/L	Prep Date: 4/8/2010	RunNo: 134259							
Client ID: 2124-treated-4/8/10	Batch ID: 59628	SW5030	Analysis Date: 4/9/2010	SeqNo: 2572488							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene

31.6

5.0

62.00

0

51.0

21.4

139

32.09

1.54

20

Benzene

63.8

2.0

62.00

1.060

101.2

57.8

125

64.75

1.46

20

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_8260S_W

Lab Order: 10040333

Report Date: 15-Apr-10

Sample ID: 10040333-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 4/8/2010			RunNo: 134259		
Client ID: 2124-treated-4/8/10	Batch ID: 59628	SW5030				Analysis Date: 4/9/2010			SeqNo: 2572488		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	67.7	5.0	62.00	0	109.2	72.9	119	65.15	3.87	20	
Ethylbenzene	41.7	5.0	62.00	0	67.2	72.8	123	39.01	6.62	20	S
m,p-Xylenes	34.5	5.0	62.00	0	55.7	74.6	125	30.04	13.8	20	S
o-Xylene	35.1	5.0	62.00	0	56.6	73	127	32.74	6.93	20	S
Toluene	51.8	5.0	62.00	0	83.6	75.8	123	50.42	2.78	20	
Trichloroethene	49.8	5.0	62.00	0	80.4	67.1	115	48.80	2.13	20	
Surr: 1,2-Dichloroethane-d4	50.1		50.00		100.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	42.4		50.00		84.9	86	119		0	0	S
Surr: Dibromofluoromethane	48.6		50.00		97.2	81.7	123		0	0	
Surr: Toluene-d8	42.7		50.00		85.5	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040333

Report Date: 15-Apr-10

Carrier: Leslie Hoosier

Received By: EAH

Completed by:

On:

08-Apr-10

Elizabeth A. Hurley

Reviewed by:

On:

09-Apr-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

April 20, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 10040460

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/13/2010 11:12:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Shelly A. Hennessy".

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040460

Report Date: 20-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040460-001	2156-Treated 4/12/10	6	4/12/2010 3:40:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 10040460

Report Date: 20-Apr-10

Cooler Receipt Temp: 5.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040460

Lab ID: 10040460-001

Report Date: 20-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2156-Treated 4/12/10

Collection Date: 4/12/2010 3:40:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.55		1	4/15/2010 2:30:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		25	mg/L	1	4/13/2010 4:25:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	2.50		35.0	mg/L	50	4/13/2010 4:20:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		240	mg/L	1	4/14/2010 11:40:00 AM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/14/2010 11:03:15 AM	LAL
Barium	NELAP	0.0050		0.150	mg/L	1	4/14/2010 11:03:15 AM	LAL
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	4/14/2010 11:03:15 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/14/2010 11:03:15 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/14/2010 11:03:15 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/14/2010 11:03:15 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	4/14/2010 10:13:34 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00014	mg/L	1	4/14/2010 6:37:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00500		ND	mg/L	50	4/14/2010 7:12:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00500		ND	mg/L	50	4/14/2010 7:12:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00500		ND	mg/L	50	4/14/2010 7:12:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00500		ND	mg/L	50	4/14/2010 7:12:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Chrysene	NELAP	0.00010		0.00015	mg/L	1	4/14/2010 6:37:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00500		ND	mg/L	50	4/14/2010 7:12:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00048	mg/L	1	4/14/2010 6:37:00 AM	MAV
Fluorene	NELAP	0.00010		0.00032	mg/L	1	4/14/2010 6:37:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00500		ND	mg/L	50	4/14/2010 7:12:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	4/14/2010 6:37:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00024	mg/L	1	4/14/2010 6:37:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00066	mg/L	1	4/14/2010 6:37:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00052	mg/L	1	4/14/2010 6:37:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040460

Lab ID: 10040460-001

Report Date: 20-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2156-Treated 4/12/10

Collection Date: 4/12/2010 3:40:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		0.00023	mg/L	1	4/14/2010 6:37:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00460	mg/L	1	4/14/2010 6:37:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		61.1	%REC	1	4/14/2010 6:37:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		31.7	%REC	1	4/14/2010 6:37:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		64.1	%REC	1	4/14/2010 6:37:00 AM	MAV
Surr: Phenol-d5		11-42.8	S	5.1	%REC	1	4/14/2010 6:37:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		61.0	%REC	1	4/14/2010 6:37:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	4/14/2010 10:29:00 AM	RWE
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/14/2010 10:29:00 AM	RWE
Toluene	NELAP	5.0		ND	µg/L	1	4/14/2010 10:29:00 AM	RWE
Xylenes, Total	NELAP	5.0		ND	µg/L	1	4/14/2010 10:29:00 AM	RWE
Surr: 1,2-Dichloroethane-d4		74.7-129		100.6	%REC	1	4/14/2010 10:29:00 AM	RWE
Surr: 4-Bromofluorobenzene		86-119		101.6	%REC	1	4/14/2010 10:29:00 AM	RWE
Surr: Dibromofluoromethane		81.7-123		98.2	%REC	1	4/14/2010 10:29:00 AM	RWE
Surr: Toluene-d8		84.3-114		100.2	%REC	1	4/14/2010 10:29:00 AM	RWE
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	J	0.00010	mg/L	1	4/14/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.010		Interference	mg/L	1	4/14/2010 4:16:19 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	S	< 0.007	mg/L	1	4/14/2010 4:16:19 PM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to matrix interference.

Surrogate recovery was outside QC limits due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040460-001A	2156-Treated 4/12/10	4/12/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/13/2010 7:34:20 PM	4/14/2010 6:37:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/13/2010 7:34:20 PM	4/14/2010 7:12:00 AM
10040460-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/15/2010 2:30:00 PM
				Standard Methods 18th Ed. 2540 D		4/13/2010 4:25:00 PM
				Standard Methods 18th Ed. 5210 B	4/14/2010 11:40:00 AM	4/14/2010 11:40:00 AM
10040460-001C				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/13/2010 4:20:00 PM
10040460-001D				SW-846 3005A, 6010B, Metals by ICP (Total)	4/13/2010 1:06:28 PM	4/14/2010 11:03:15 AM
				SW-846 3020A, Metals by GFAA (Total)	4/13/2010 1:06:30 PM	4/14/2010 10:13:34 AM
				SW-846 7470A (Total)	4/13/2010 2:25:32 PM	4/14/2010
10040460-001E				SW-846 9012A		4/14/2010 4:16:19 PM
				SW-846 9012A (Total)		4/14/2010 4:16:19 PM
10040460-001F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/14/2010 10:29:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040460

Report Date: 20-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R134409		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 134409		
Client ID: ZZZZZZ		Batch ID: R134409					Analysis Date: 4/13/2010			SeqNo: 2576951	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R134409		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134409		
Client ID: ZZZZZZ		Batch ID: R134409			Analysis Date: 4/13/2010			SeqNo: 2576952				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	88	6	100.0	0	88.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 134409		
Client ID: ZZZZZZ		Batch ID: R134409			Analysis Date: 4/13/2010			SeqNo: 2576977				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134409			
Client ID: ZZZZZZ	Batch ID: R134409				Analysis Date: 4/13/2010			SeqNo: 2576997			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 10040460-001BDUP		SampType: DUP		Units: mg/L		Prep Date:		RunNo: 134409			
Client ID: 2156-Treated 4/12/10		Batch ID: R134409				Analysis Date: 4/13/2010		SeqNo: 2577016			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	25	6						25.00	0	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134409			
Client ID: ZZZZZZ	Batch ID: R134409				Analysis Date: 4/13/2010			SeqNo: 2577017			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	87	6	100.0	0	87.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-CL G R

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MB-R134401		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134401		
Client ID: ZZZZZZ		Batch ID: R134401			Analysis Date: 4/13/2010			SeqNo: 2576853				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab Chlorine, Total Residual	< 0.05	0.05										

Sample ID: LCS-R134401		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 134401		
Client ID: ZZZZZZ		Batch ID: R134401			Analysis Date: 4/13/2010				SeqNo: 2576854		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab Chlorine, Total Residual	4.21	0.50	4.400	0	95.7	79.7	114.1				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCS-R134477		SampType: LCS			Units:		Prep Date:			RunNo: 134477		
Client ID: ZZZZZZ		Batch ID: R134477			Analysis Date: 4/15/2010			SeqNo: 2579258				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10040460-001BDUP		SampType: DUP			Units:		Prep Date:			RunNo: 134477		
Client ID: 2156-Treated 4/12/10		Batch ID: R134477			Analysis Date: 4/15/2010			SeqNo: 2579260				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.57	1.00						7.550	0.265	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCS-59757	SampType: LCS	Units: mg/L				Prep Date: 4/14/2010			RunNo: 134603		
Client ID: ZZZZZZ	Batch ID: 59757	SOP 2030				Analysis Date: 4/14/2010			SeqNo: 2583688		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	179	5	198.0	0	90.4	84.6	115.4				

Sample ID: LCSQC-59757	SampType: LCSQC	Units: mg/L				Prep Date: 4/14/2010			RunNo: 134603		
Client ID: ZZZZZZ	Batch ID: 59757	SOP 2030				Analysis Date: 4/14/2010			SeqNo: 2583689		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	81	5	93.60	0	86.5	70.6	127.7				

Sample ID: 10040460-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 4/14/2010			RunNo: 134603		
Client ID: 2156-Treated 4/12/10	Batch ID: 59757	SOP 2030				Analysis Date: 4/14/2010			SeqNo: 2583696		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	241	5						240.0	0.416	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MB-59698	SampType: MBLK	Units: mg/L			Prep Date: 4/13/2010			RunNo: 134394			
Client ID: ZZZZZZ	Batch ID: 59698	SOP 3034			Analysis Date: 4/14/2010			SeqNo: 2576945			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59698	SampType: LCS	Units: mg/L				Prep Date: 4/13/2010			RunNo: 134394		
Client ID: ZZZZZZ	Batch ID: 59698	SOP 3034				Analysis Date: 4/14/2010			SeqNo: 2576946		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.2	85	115				
Barium	1.91	0.0050	2.000	0	95.4	85	115				
Cadmium	0.0489	0.0020	0.05000	0	97.8	85	115				
Chromium	0.203	0.0100	0.2000	0	101.6	85	115				
Selenium	2.06	0.0500	2.000	0	103.0	85	115				
Silver	0.0494	0.0100	0.05000	0	98.8	85	115				

Sample ID: 10040460-001DMS		SampType: MS		Units: mg/L		Prep Date: 4/13/2010		RunNo: 134394			
Client ID: 2156-Treated 4/12/10		Batch ID: 59698		SOP 3034		Analysis Date: 4/14/2010		SeqNo: 2576948			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.82	0.0250	2.000	0	91.0	75	125				
Barium	1.77	0.0050	2.000	0.1504	80.8	75	125				
Cadmium	0.0406	0.0020	0.05000	0.0004000	80.4	75	125				
Chromium	0.178	0.0100	0.2000	0	88.8	75	125				
Selenium	1.84	0.0500	2.000	0	91.8	75	125				
Silver	0.0444	0.0100	0.05000	0	88.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: 10040460-001DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/13/2010		RunNo: 134394			
Client ID: 2156-Treated 4/12/10		Batch ID: 59698		SOP 3034		Analysis Date: 4/14/2010		SeqNo: 2576949			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.80	0.0250	2.000	0	89.9	75	125	1.821	1.27	20	
Barium	1.75	0.0050	2.000	0.1504	80.0	75	125	1.766	0.853	20	
Cadmium	0.0402	0.0020	0.05000	0.0004000	79.6	75	125	0.04060	0.990	20	
Chromium	0.175	0.0100	0.2000	0	87.6	75	125	0.1777	1.36	20	
Selenium	1.83	0.0500	2.000	0	91.7	75	125	1.836	0.164	20	
Silver	0.0459	0.0100	0.05000	0	91.8	75	125	0.04440	3.32	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MB-59699		SampType: MBLK		Units: mg/L		Prep Date: 4/13/2010			RunNo: 134414			
Client ID: ZZZZZZ		Batch ID: 59699		SOP 3044		Analysis Date: 4/14/2010			SeqNo: 2577184			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: 10040460-001DMS		SampType: MS		Units: mg/L		Prep Date: 4/13/2010			RunNo: 134414			
Client ID: 2156-Treated 4/12/10		Batch ID: 59699		SOP 3044		Analysis Date: 4/14/2010			SeqNo: 2577189			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0146	0.0020	0.01500	0	97.3	70	130				

Sample ID: 10040460-001DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/13/2010			RunNo: 134414			
Client ID: 2156-Treated 4/12/10		Batch ID: 59699		SOP 3044		Analysis Date: 4/14/2010			SeqNo: 2577190			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0141	0.0020	0.01500	0	94.2	70	130	0.01460	3.28	20	

Sample ID: LCS-59699		SampType: LCS		Units: mg/L		Prep Date: 4/13/2010			RunNo: 134414			
Client ID: ZZZZZZ		Batch ID: 59699		SOP 3044		Analysis Date: 4/14/2010			SeqNo: 2577212			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0160	0.0020	0.01500	0	106.5	80	120				

Sample ID: MB-59699		SampType: MBLK		Units: mg/L		Prep Date: 4/13/2010			RunNo: 134496			
Client ID: ZZZZZZ		Batch ID: 59699		SOP 3044		Analysis Date: 4/15/2010			SeqNo: 2580020			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0005	0.0020	0.002000	0	26.1	-100	100				J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCS-59699		SampType: LCS			Units: mg/L		Prep Date: 4/13/2010			RunNo: 134496		
Client ID: ZZZZZZ		Batch ID: 59699			SOP 3044		Analysis Date: 4/15/2010			SeqNo: 2580021		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0166	0.0020	0.01500	0	110.5	80	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MB-59706		SampType: MBLK			Units: mg/L		Prep Date: 4/13/2010			RunNo: 134411		
Client ID: ZZZZZZ		Batch ID: 59706			SOP 3062		Analysis Date: 4/14/2010			SeqNo: 2577080		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00006	0.00020	0.0002000	0	30.0	-100	100				J	

Sample ID: LCS-59706		SampType: LCS			Units: mg/L		Prep Date: 4/13/2010			RunNo: 134411		
Client ID: ZZZZZZ		Batch ID: 59706			SOP 3062		Analysis Date: 4/14/2010			SeqNo: 2577081		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00552	0.00020	0.005000	0	110.4	85	115					

Sample ID: 10040460-001DMS		SampType: MS			Units: mg/L		Prep Date: 4/13/2010			RunNo: 134411		
Client ID: 2156-Treated 4/12/10		Batch ID: 59706			SOP 3062		Analysis Date: 4/14/2010			SeqNo: 2577085		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00520	0.00020	0.005000	0.0001000	102.0	75	125					

Sample ID: 10040460-001DMSD		SampType: MSD			Units: mg/L		Prep Date: 4/13/2010			RunNo: 134411		
Client ID: 2156-Treated 4/12/10		Batch ID: 59706			SOP 3062		Analysis Date: 4/14/2010			SeqNo: 2577086		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00520	0.00020	0.005000	0.0001000	102.0	75	125	0.005200	0	15		

Sample ID: MB-59706		SampType: MBLK			Units: mg/L		Prep Date: 4/13/2010			RunNo: 134411		
Client ID: ZZZZZZ		Batch ID: 59706			SOP 3062		Analysis Date: 4/14/2010			SeqNo: 2577078		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00006	0.00020	0.0002000	0	30.0	-100	100				J	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCS-59706	SampType: LCS	Units: mg/L			Prep Date: 4/13/2010	RunNo: 134411					
Client ID: ZZZZZZ	Batch ID: 59706	SOP 3062			Analysis Date: 4/14/2010	SeqNo: 2577079					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00552	0.00020	0.005000	0	110.4	85	115				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040460

Report Date: 20-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: LCS-F100414-1		SampType: LCS		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134418			
Client ID: ZZZZZZ		Batch ID: 59732		SW5030		Analysis Date: 4/14/2010		SeqNo: 2577297			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.1	2.0	50.00	0	80.2	73	109				
Toluene	39.9	5.0	50.00	0	79.8	79.6	116				
Ethylbenzene	44.6	5.0	50.00	0	89.2	83	113				
Xylenes, Total	87.5	5.0	100.0	0	87.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	47.8		50.00		95.7	74.7	129				
Surr: 4-Bromofluorobenzene	56.7		50.00		113.5	86	119				
Surr: Dibromofluoromethane	49.2		50.00		98.3	81.7	123				
Surr: Toluene-d8	46.4		50.00		92.9	84.3	114				

Sample ID: LCSD-F100414-1		SampType: LCSD		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134418			
Client ID: ZZZZZZ		Batch ID: 59732		SW5030		Analysis Date: 4/14/2010		SeqNo: 2577298			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.2	2.0	50.00	0	82.3	73	109	40.11	2.58	20	
Toluene	39.9	5.0	50.00	0	79.8	79.6	116	39.89	0.0501	20	
Ethylbenzene	47.1	5.0	50.00	0	94.3	83	113	44.62	5.47	20	
Xylenes, Total	90.5	5.0	100.0	0	90.5	80.3	120	87.54	3.34	0	
Surr: 1,2-Dichloroethane-d4	48.9		50.00		97.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	57.4		50.00		114.7	86	119		0	0	
Surr: Dibromofluoromethane	49.8		50.00		99.7	81.7	123		0	0	
Surr: Toluene-d8	44.3		50.00		88.6	84.3	114		0	0	

Sample ID: MBLK-F100414-1		SampType: MBLK		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134418			
Client ID: ZZZZZZ		Batch ID: 59732		SW5030		Analysis Date: 4/14/2010		SeqNo: 2577299			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MBLK-F100414-1	SampType: MBLK	Units: µg/L			Prep Date: 4/14/2010			RunNo: 134418			
Client ID: ZZZZZZ	Batch ID: 59732	SW5030			Analysis Date: 4/14/2010			SeqNo: 2577299			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	49.3		50.00		98.5	74.7	129				
Surr: 4-Bromofluorobenzene	57.7		50.00		115.4	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.2	81.7	123				
Surr: Toluene-d8	47.6		50.00		95.3	84.3	114				

Sample ID: 10040460-001FMS		SampType: MS		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134418			
Client ID: 2156-Treated 4/12/10		Batch ID: 59732		SW5030		Analysis Date: 4/14/2010		SeqNo: 2577301			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.7	2.0	50.00	0	99.4	57.8	125				
Toluene	48.2	5.0	50.00	0	96.3	75.8	123				
Ethylbenzene	51.7	5.0	50.00	0	103.5	72.8	123				
Xylenes, Total	103	5.0	100.0	0	103.1	73	127				
Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.2	74.7	129				
Surr: 4-Bromofluorobenzene	56.8		50.00		113.5	86	119				
Surr: Dibromofluoromethane	51.9		50.00		103.7	81.7	123				
Surr: Toluene-d8	47.9		50.00		95.8	84.3	114				

Sample ID: 10040460-001FMSD		SampType: MSD		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134418			
Client ID: 2156-Treated 4/12/10		Batch ID: 59732		SW5030		Analysis Date: 4/14/2010		SeqNo: 2577302			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	50.0	2.0	50.00	0	100.1	57.8	125	49.69	0.722	20	
Toluene	47.2	5.0	50.00	0	94.3	75.8	123	48.17	2.12	20	
Ethylbenzene	51.8	5.0	50.00	0	103.6	72.8	123	51.74	0.135	20	
Xylenes, Total	99.5	5.0	100.0	0	99.5	73	127	103.1	3.52	20	
Surr: 1,2-Dichloroethane-d4	51.0		50.00		102.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	57.9		50.00		115.8	86	119		0	0	
Surr: Dibromofluoromethane	51.8		50.00		103.5	81.7	123		0	0	
Surr: Toluene-d8	45.8		50.00		91.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MB-59701	SampType: MBLK	Units: mg/L			Prep Date: 4/13/2010			RunNo: 134377			
Client ID: ZZZZZZ	Batch ID: 59701	SW3510C			Analysis Date: 4/13/2010			SeqNo: 2576405			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0141		0.02500		56.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0189		0.05000		37.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.0153		0.02500		61.3	39.9	106				
Surr: Phenol-d5	0.0124		0.05000		24.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.0161		0.02500		64.5	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCS-59701	SampType: LCS	Units: mg/L			Prep Date: 4/13/2010			RunNo: 134377			
Client ID: ZZZZZZ	Batch ID: 59701	SW3510C			Analysis Date: 4/14/2010			SeqNo: 2577429			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00350	0.00010	0.005000	0	70.0	50.1	103				
Acenaphthylene	0.00343	0.00010	0.005000	0	68.6	53.3	122				
Anthracene	0.00381	0.00010	0.005000	0	76.3	57.4	110				
Benzo(a)anthracene	0.00330	0.00010	0.005000	0	65.9	56	102				
Benzo(a)pyrene	0.00397	0.00010	0.005000	0	79.3	55.4	125				
Benzo(b)fluoranthene	0.00395	0.00010	0.005000	0	79.1	59.3	127				
Benzo(g,h,i)perylene	0.00353	0.00010	0.005000	0	70.5	58.4	125				
Benzo(k)fluoranthene	0.00407	0.00010	0.005000	0	81.4	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00553	0.00200	0.005000	0	110.6	63.2	152				
Chrysene	0.00389	0.00010	0.005000	0	77.8	58.7	118				
Dibenzo(a,h)anthracene	0.00364	0.00010	0.005000	0	72.9	59.3	126				
Diethyl phthalate	0.00409	0.00100	0.005000	0	81.8	55.3	133				
Dimethyl phthalate	0.00433	0.00100	0.005000	0	86.7	55.7	112				
Di-n-butyl phthalate	0.00425	0.00100	0.005000	0	85.0	61.5	130				
Fluoranthene	0.00388	0.00010	0.005000	0	77.6	60.1	117				
Fluorene	0.00347	0.00010	0.005000	0	69.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00369	0.00010	0.005000	0	73.8	58.1	123				
m,p-Cresol	0.00311	0.00010	0.005000	0	62.2	17.9	107				
Naphthalene	0.00319	0.00010	0.005000	0	63.8	36.3	97.1				
o-Cresol	0.00333	0.00010	0.005000	0	66.6	20.5	109				
Phenanthrene	0.00363	0.00010	0.005000	0	72.7	55.9	107				
Pyrene	0.00393	0.00010	0.005000	0	78.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.0165		0.02500		66.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0247		0.05000		49.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.0186		0.02500		74.3	39.9	106				
Surr: Phenol-d5	0.0164		0.05000		32.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.0194		0.02500		77.7	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: LCSD-59701		SampType: LCSD		Units: mg/L		Prep Date: 4/13/2010		RunNo: 134377			
Client ID: ZZZZZZ		Batch ID: 59701		SW3510C		Analysis Date: 4/14/2010		SeqNo: 2577554			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00337	0.00010	0.005000	0	67.3	50.1	103	0.003499	3.87	50	
Acenaphthylene	0.00347	0.00010	0.005000	0	69.3	53.3	122	0.003429	1.07	50	
Anthracene	0.00386	0.00010	0.005000	0	77.2	57.4	110	0.003814	1.25	50	
Benzo(a)anthracene	0.00336	0.00010	0.005000	0	67.3	56	102	0.003296	2.04	50	
Benzo(a)pyrene	0.00412	0.00010	0.005000	0	82.5	55.4	125	0.003966	3.88	50	
Benzo(b)fluoranthene	0.00415	0.00010	0.005000	0	82.9	59.3	127	0.003953	4.77	50	
Benzo(g,h,i)perylene	0.00362	0.00010	0.005000	0	72.4	58.4	125	0.003527	2.66	50	
Benzo(k)fluoranthene	0.00407	0.00010	0.005000	0	81.4	61.5	125	0.004069	0.0737	50	
Bis(2-ethylhexyl)phthalate	0.00513	0.00200	0.005000	0	102.7	63.2	152	0.005529	7.43	50	
Chrysene	0.00391	0.00010	0.005000	0	78.2	58.7	118	0.003889	0.564	50	
Dibenzo(a,h)anthracene	0.00372	0.00010	0.005000	0	74.3	59.3	126	0.003645	1.93	50	
Diethyl phthalate	0.00410	0.00100	0.005000	0	82.0	55.3	133	0.004091	0.171	40	
Dimethyl phthalate	0.00432	0.00100	0.005000	0	86.5	55.7	112	0.004334	0.231	40	
Di-n-butyl phthalate	0.00431	0.00100	0.005000	0	86.3	61.5	130	0.004249	1.49	50	
Fluoranthene	0.00399	0.00010	0.005000	0	79.8	60.1	117	0.003881	2.79	50	
Fluorene	0.00348	0.00010	0.005000	0	69.6	54.1	110	0.003471	0.259	50	
Indeno(1,2,3-cd)pyrene	0.00375	0.00010	0.005000	0	75.0	58.1	123	0.003691	1.64	50	
m,p-Cresol	0.00313	0.00010	0.005000	0	62.6	17.9	107	0.003108	0.769	50	
Naphthalene	0.00310	0.00010	0.005000	0	62.0	36.3	97.1	0.003192	2.86	50	
o-Cresol	0.00335	0.00010	0.005000	0	66.9	20.5	109	0.003330	0.479	50	
Phenanthrene	0.00368	0.00010	0.005000	0	73.6	55.9	107	0.003634	1.29	50	
Pyrene	0.00403	0.00010	0.005000	0	80.6	61.4	116	0.003928	2.51	50	
Surr: 2-Fluorobiphenyl	0.0165		0.02500		66.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0255		0.05000		51.0	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0187		0.02500		74.7	39.9	106		0	50	
Surr: Phenol-d5	0.0168		0.05000		33.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0204		0.02500		81.5	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: MB-R134466		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466			Analysis Date: 4/14/2010			SeqNo: 2578843				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134466		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466			Analysis Date: 4/14/2010			SeqNo: 2578844				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.093	0.007	0.1000	0	93.3	90	110				
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Sample ID: MB-R134466	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134466			
Client ID: ZZZZZZ	Batch ID: R134466				Analysis Date: 4/14/2010			SeqNo: 2578833			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134466		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466			Analysis Date: 4/14/2010			SeqNo: 2578834				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.095	0.007	0.1000	0	94.7	85	115				
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Sample ID: 10040460-001EMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: 2156-Treated 4/12/10		Batch ID: R134466			Analysis Date: 4/14/2010			SeqNo: 2578836				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007	0.05000	0	0	75	125				S
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040460

Report Date: 20-Apr-10

Sample ID: 10040460-001EMSD	SampType: MSD	Units: mg/L				Prep Date:			RunNo: 134466		
Client ID: 2156-Treated 4/12/10	Batch ID: R134466					Analysis Date: 4/14/2010			SeqNo: 2578837		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007	0.05000	0	0	75	125	0	0	15	S

Sample ID: MB-R134466		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466			Analysis Date: 4/14/2010			SeqNo: 2578903				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R134466		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466			Analysis Date: 4/14/2010			SeqNo: 2578904				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.089	0.007	0.1000	0	88.6	85	115					

Sample ID: MB-R134466		SampType: MBLK			Units: mg/L		Prep Date:		RunNo: 134466		
Client ID: ZZZZZZ		Batch ID: R134466			Analysis Date: 4/14/2010				SeqNo: 2579243		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R134466	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134466			
Client ID: ZZZZZZ	Batch ID: R134466				Analysis Date: 4/14/2010			SeqNo: 2579244			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.105	0.007	0.1000	0	105.3	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10040460

Report Date: 20-Apr-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

13-Apr-10

Dawn Brantley

Reviewed by:

On:

13-Apr-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09608

10040460

Project Name: <u>Champaign HSP</u>		Project Mgr.: <u>Leti Sarana</u>	
Project Number: <u>624-0908-0120</u>		Cost Code: <u>XXXX</u>	
Sampler(s): <u>L. Hoosier</u>	Matrix	Analyses by Method Name and Number	
Laboratory	Name: <u>Teklab</u>	Residual Chlorine	
	Location: <u>Collinsville IL</u>	BODs	
Sample Number and (depth)	Date	Time	PH
2150-treated-4/12/10	4/12	1540	TSS
			total + filtered cyanide
			PCP & Metals
			SVOC (bat slugs)
			SVOC (bat)
			BTX (bat)
			7 X X X X X X X X X X
			Comments (Field PID)
			* Please
			RUSH *
			1 DAY
			φ headspace ; p/w. ✓ SAH 4/13/10

Laboratory Temperature upon Receipt
5.0°
10.0

Lab ID #'s
10040460001

Samples Iced: ☒ Yes ☐ No	Lab Directives: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Preservatives (ONLY for Water Samples) ☒ Volatile Organics ☐ VOC Soil (5035) ☐ TPH ☒ Metals ☒ Cyanide ☐ Other (Specify) _____	Requested TAT: _____ Fax and/or Mail Results to: <u>Leti Sarana</u> Send Invoice to: _____ QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other Special Guidelines: _____ Reporting Limits: _____ * Special: _____

Shipping:	Relinquished by:	Received by:
Carrier / Airbill No.	Signature: <u>Leti Hoosier</u> Date: <u>4/13</u> Time: <u>0800</u>	Signature: <u>Leti Hoosier</u> Date: <u>4/13</u> Time: <u>0800</u>

April 21, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10040547

Dear Pete Sazama:

TEKLAB, INC received 3 samples on 4/14/2010 5:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Shelly A. Hennessy".

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040547-001	2154-treated-4/13/10	2	4/13/2010 3:05:00 PM
10040547-002	31027-treated-4/13/10	6	4/13/2010 3:40:00 PM
10040547-003	29583-treated-4/13/10	6	4/13/2010 3:50:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10040547

Report Date: 21-Apr-10

Cooler Receipt Temp: 1.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10040547**Lab ID:** 10040547-001**Report Date:** 21-Apr-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 2154-treated-4/13/10**Collection Date:** 4/13/2010 3:05:00 PM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	2.50		28.4	mg/L	50	4/15/2010 4:20:00 PM	NJM
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	4/15/2010 9:15:46 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007	J	0.004	mg/L	1	4/15/2010 9:15:46 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040547

Lab ID: 10040547-002

Report Date: 21-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 31027-treated-4/13/10

Collection Date: 4/13/2010 3:40:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		3.62		1	4/15/2010 2:30:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	4/15/2010 6:00:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		0.15	mg/L	1	4/16/2010 9:30:00 AM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		20	mg/L	1	4/15/2010 11:20:00 AM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/15/2010 12:16:15 PM	LAL
Barium	NELAP	0.0050		0.0298	mg/L	1	4/15/2010 12:16:15 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/15/2010 12:16:15 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/15/2010 12:16:15 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/15/2010 12:16:15 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/15/2010 12:16:15 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	4/15/2010 12:48:26 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00019	mg/L	1	4/15/2010 10:09:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00011	mg/L	1	4/15/2010 10:09:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00050	mg/L	1	4/15/2010 10:09:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040547

Lab ID: 10040547-002

Report Date: 21-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 31027-treated-4/13/10

Collection Date: 4/13/2010 3:40:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	4/15/2010 10:09:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		77.5	%REC	1	4/15/2010 10:09:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		42.1	%REC	1	4/15/2010 10:09:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		84.1	%REC	1	4/15/2010 10:09:00 AM	MAV
Surr: Phenol-d5		11-42.8		27.5	%REC	1	4/15/2010 10:09:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		85.7	%REC	1	4/15/2010 10:09:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		3.2	µg/L	1	4/15/2010 2:48:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/15/2010 2:48:00 AM	TAL
Toluene	NELAP	5.0		9.5	µg/L	1	4/15/2010 2:48:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	4/15/2010 2:48:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		96.7	%REC	1	4/15/2010 2:48:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		99.9	%REC	1	4/15/2010 2:48:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		98.4	%REC	1	4/15/2010 2:48:00 AM	TAL
Surr: Toluene-d8		84.3-114		95.4	%REC	1	4/15/2010 2:48:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	4/15/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	4/15/2010 9:15:46 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.280	SR	0.634	mg/L	20	4/20/2010	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

RPD was outside of QC limit.

Standard Methods 18th Ed. 5210 B

Laboratory control sample did not recover within QC limits. Batch verified on LCSQC recovery.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040547

Lab ID: 10040547-003

Report Date: 21-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 29583-treated-4/13/10

Collection Date: 4/13/2010 3:50:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		6.90		1	4/15/2010 2:30:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	4/15/2010 8:40:00 AM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.25		0.78	mg/L	5	4/15/2010 4:20:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		102	mg/L	1	4/15/2010 11:20:00 AM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/15/2010 12:23:08 PM	LAL
Barium	NELAP	0.0050		0.0356	mg/L	1	4/15/2010 12:23:08 PM	LAL
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	4/15/2010 12:23:08 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/15/2010 12:23:08 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/15/2010 12:23:08 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/15/2010 12:23:08 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	4/15/2010 12:58:32 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00017	mg/L	1	4/15/2010 10:44:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Fluorene	NELAP	0.00010		0.00029	mg/L	1	4/15/2010 10:44:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00046	mg/L	1	4/15/2010 10:44:00 AM	MAV
Naphthalene	NELAP	0.00010		0.0143	mg/L	1	4/15/2010 10:44:00 AM	MAV
o-Cresol	NELAP	0.00010		0.00084	mg/L	1	4/15/2010 10:44:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00036	mg/L	1	4/15/2010 10:44:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040547

Lab ID: 10040547-003

Report Date: 21-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 29583-treated-4/13/10

Collection Date: 4/13/2010 3:50:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		ND	mg/L	1	4/15/2010 10:44:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00083	mg/L	1	4/15/2010 10:44:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		70.4	%REC	1	4/15/2010 10:44:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.0	%REC	1	4/15/2010 10:44:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		72.9	%REC	1	4/15/2010 10:44:00 AM	MAV
Surr: Phenol-d5		11-42.8		25.9	%REC	1	4/15/2010 10:44:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		78.1	%REC	1	4/15/2010 10:44:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	1.7	µg/L	1	4/15/2010 3:19:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/15/2010 3:19:00 AM	TAL
Toluene	NELAP	5.0	J	1.3	µg/L	1	4/15/2010 3:19:00 AM	TAL
Xylenes, Total	NELAP	5.0	J	1.0	µg/L	1	4/15/2010 3:19:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		95.5	%REC	1	4/15/2010 3:19:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		101.0	%REC	1	4/15/2010 3:19:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		99.3	%REC	1	4/15/2010 3:19:00 AM	TAL
Surr: Toluene-d8		84.3-114		97.9	%REC	1	4/15/2010 3:19:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	4/15/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.500		Interference	mg/L	50	4/15/2010 9:15:46 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350		1.07	mg/L	50	4/15/2010 9:15:46 AM	RCE

Sample Narrative

Standard Methods 18th Ed. 5210 B

Laboratory control sample did not recover within QC limits. Batch verified on LCSQC recovery.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040547-001A	2154-treated-4/13/10	4/13/2010	Aqueous	Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/15/2010 4:20:00 PM
10040547-001B				SW-846 9012A		4/15/2010 9:15:46 AM
				SW-846 9012A (Total)		4/15/2010 9:15:46 AM
10040547-002A	31027-treated-4/13/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/14/2010 6:30:00 PM	4/15/2010 10:09:00 AM
10040547-002B				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/16/2010 9:30:00 AM
10040547-002C				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/15/2010 2:30:00 PM
				Standard Methods 18th Ed. 2540 D		4/15/2010 6:00:00 PM
				Standard Methods 18th Ed. 5210 B	4/15/2010 11:20:00 AM	4/15/2010 11:20:00 AM
10040547-002D				SW-846 3005A, 6010B, Metals by ICP (Total)	4/14/2010 7:05:50 PM	4/15/2010 12:16:15 PM
				SW-846 3020A, Metals by GFAA (Total)	4/14/2010 7:04:16 PM	4/15/2010 12:48:26 PM
				SW-846 7470A (Total)	4/15/2010 10:14:54 AM	4/15/2010
10040547-002E				SW-846 9012A		4/15/2010 9:15:46 AM
				SW-846 9012A (Total)		4/20/2010
10040547-002F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/15/2010 2:48:00 AM
10040547-003A	29583-treated-4/13/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/14/2010 6:30:00 PM	4/15/2010 10:44:00 AM
10040547-003B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/15/2010 2:30:00 PM
				Standard Methods 18th Ed. 2540 D		4/15/2010 8:40:00 AM
				Standard Methods 18th Ed. 5210 B	4/15/2010 11:20:00 AM	4/15/2010 11:20:00 AM
10040547-003C				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/15/2010 4:20:00 PM
10040547-003D				SW-846 3005A, 6010B, Metals by ICP (Total)	4/14/2010 7:05:50 PM	4/15/2010 12:23:08 PM
				SW-846 3020A, Metals by GFAA (Total)	4/14/2010 7:04:16 PM	4/15/2010 12:58:32 PM
				SW-846 7470A (Total)	4/15/2010 10:14:54 AM	4/15/2010

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040547-003E	29583-treated-4/13/10	4/13/2010	Aqueous	SW-846 9012A		4/15/2010 9:15:46 AM
				SW-846 9012A (Total)		4/15/2010 9:15:46 AM
10040547-003F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/15/2010 3:19:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R134478		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 134478		
Client ID: ZZZZZZ		Batch ID: R134478					Analysis Date: 4/15/2010			SeqNo: 2579269	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R134478		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134478		
Client ID: ZZZZZZ		Batch ID: R134478			Analysis Date: 4/15/2010			SeqNo: 2579270				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	90	6	100.0	0	90.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 134478		
Client ID: ZZZZZZ		Batch ID: R134478			Analysis Date: 4/15/2010			SeqNo: 2579288				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	89	6	100.0	0	89.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 134478		
Client ID: ZZZZZZ	Batch ID: R134478					Analysis Date: 4/15/2010				SeqNo: 2579308		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	88	6	100.0	0	88.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 134478		
Client ID: ZZZZZZ	Batch ID: R134478					Analysis Date: 4/15/2010				SeqNo: 2579329		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: 10040547-003BDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 134478			
Client ID: 29583-treated-4/13/1	Batch ID: R134478				Analysis Date: 4/15/2010			SeqNo: 2579356			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134478			
Client ID: ZZZZZZ	Batch ID: R134478				Analysis Date: 4/15/2010			SeqNo: 2579359			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	85	6	100.0	0	85.0	85	115				

Sample ID: MB-R134506	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134506			
Client ID: ZZZZZZ	Batch ID: R134506				Analysis Date: 4/15/2010			SeqNo: 2580598			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R134506	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134506			
Client ID: ZZZZZZ	Batch ID: R134506				Analysis Date: 4/15/2010			SeqNo: 2580599			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	87	6	100.0	0	87.0	85	115				

Sample ID: 10040547-002CDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 134506			
Client ID: 31027-treated-4/13/1	Batch ID: R134506				Analysis Date: 4/15/2010			SeqNo: 2580603			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134506			
Client ID: ZZZZZZ	Batch ID: R134506				Analysis Date: 4/15/2010			SeqNo: 2580606			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	86	6	100.0	0	86.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-CL G R

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MB-R134450		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134450		
Client ID: ZZZZZZ		Batch ID: R134450			Analysis Date: 4/14/2010			SeqNo: 2578150				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	< 0.05	0.05
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Sample ID: LCS-R134450		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134450		
Client ID: ZZZZZZ		Batch ID: R134450			Analysis Date: 4/14/2010			SeqNo: 2578151				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	4.00	0.50	4.400	0	90.9	79.7	114.1
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Sample ID: MB-R134499		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134499		
Client ID: ZZZZZZ		Batch ID: R134499			Analysis Date: 4/16/2010			SeqNo: 2580379				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	< 0.05	0.05
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Sample ID: LCS-R134499		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134499		
Client ID: ZZZZZZ		Batch ID: R134499			Analysis Date: 4/16/2010			SeqNo: 2580380				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	3.96	0.50	4.400	0	90.0	79.7	114.1
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Sample ID: 10040547-002BMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 134499		
Client ID: 31027-treated-4/13/1		Batch ID: R134499			Analysis Date: 4/16/2010			SeqNo: 2580382				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	1.44	0.05	1.322	0.1450	97.7	80	120
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M4500-CL G R

Sample ID: 10040547-002BMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 134499			
Client ID: 31027-treated-4/13/1		Batch ID: R134499				Analysis Date: 4/16/2010		SeqNo: 2580383			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab Chlorine, Total Residual	1.44	0.05	1.322	0.1450	97.7	80	120	1.436	0	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCS-R134477		SampType: LCS			Units:		Prep Date:			RunNo: 134477		
Client ID: ZZZZZZ		Batch ID: R134477			Analysis Date: 4/15/2010			SeqNo: 2579258				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10040547-002CDUP		SampType: DUP		Units:		Prep Date:		RunNo: 134477			
Client ID: 31027-treated-4/13/1		Batch ID: R134477				Analysis Date: 4/15/2010		SeqNo: 2579264			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	3.62	1.00						3.620	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCS-59785	SampType: LCS	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134645		
Client ID: ZZZZZZ	Batch ID: 59785	SOP 2030				Analysis Date: 4/15/2010			SeqNo: 2585089		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	146	5	198.0	0	73.7	84.6	115.4				S

Sample ID: LCSQC-59785	SampType: LCSQC	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134645		
Client ID: ZZZZZZ	Batch ID: 59785	SOP 2030				Analysis Date: 4/15/2010			SeqNo: 2585090		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	77	5	93.60	0	82.3	70.6	127.7				

Sample ID: 10040547-003B-DUP	SampType: DUP	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134645		
Client ID: 29583-treated-4/13/1	Batch ID: 59785	SOP 2030				Analysis Date: 4/15/2010			SeqNo: 2585096		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	86	5						102.0	17.0	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: MB-59751	SampType: MBLK	Units: mg/L			Prep Date: 4/14/2010			RunNo: 134460			
Client ID: ZZZZZZ	Batch ID: 59751	SOP 3034			Analysis Date: 4/15/2010			SeqNo: 2578507			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59751	SampType: LCS	Units: mg/L				Prep Date: 4/14/2010			RunNo: 134460		
Client ID: ZZZZZZ	Batch ID: 59751	SOP 3034				Analysis Date: 4/15/2010			SeqNo: 2578509		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.7	85	115				
Barium	1.98	0.0050	2.000	0	99.2	85	115				
Cadmium	0.0509	0.0020	0.05000	0	101.8	85	115				
Chromium	0.210	0.0100	0.2000	0	105.2	85	115				
Selenium	2.09	0.0500	2.000	0	104.4	85	115				
Silver	0.0539	0.0100	0.05000	0	107.8	85	115				

Sample ID: MB-59751	SampType: MBLK	Units: mg/L			Prep Date: 4/14/2010			RunNo: 134460			
Client ID: ZZZZZZ	Batch ID: 59751	SOP 3034			Analysis Date: 4/15/2010			SeqNo: 2578508			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCS-59751	SampType: LCS	Units: mg/L				Prep Date: 4/14/2010			RunNo: 134460		
Client ID: ZZZZZZ	Batch ID: 59751	SOP 3034				Analysis Date: 4/15/2010			SeqNo: 2578510		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.7	85	115				
Barium	1.98	0.0050	2.000	0	99.2	85	115				
Cadmium	0.0509	0.0020	0.05000	0	101.8	85	115				
Chromium	0.210	0.0100	0.2000	0	105.2	85	115				
Selenium	2.09	0.0500	2.000	0	104.4	85	115				
Silver	0.0539	0.0100	0.05000	0	107.8	85	115				

Sample ID: 10040547-003DMS	SampType: MS	Units: mg/L			Prep Date: 4/14/2010			RunNo: 134460			
Client ID: 29583-treated-4/13/1	Batch ID: 59751	SOP 3034			Analysis Date: 4/15/2010			SeqNo: 2578895			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.0250	2.000	0	100.2	75	125				
Barium	1.81	0.0050	2.000	0.03560	88.6	75	125				
Cadmium	0.0446	0.0020	0.05000	0.0003000	88.6	75	125				
Chromium	0.198	0.0100	0.2000	0	99.2	75	125				
Selenium	2.09	0.0500	2.000	0	104.4	75	125				
Silver	0.0531	0.0100	0.05000	0	106.2	75	125				

Sample ID: 10040547-003DMSD	SampType: MSD	Units: mg/L				Prep Date: 4/14/2010			RunNo: 134460		
Client ID: 29583-treated-4/13/1	Batch ID: 59751	SOP 3034				Analysis Date: 4/15/2010			SeqNo: 2578896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.0250	2.000	0	100	75	125	2.005	0.200	20	
Barium	1.80	0.0050	2.000	0.03560	88.3	75	125	1.807	0.277	20	
Cadmium	0.0444	0.0020	0.05000	0.0003000	88.2	75	125	0.04460	0.449	20	
Chromium	0.195	0.0100	0.2000	0	97.4	75	125	0.1984	1.88	20	
Selenium	2.10	0.0500	2.000	0	105.0	75	125	2.089	0.525	20	
Silver	0.0514	0.0100	0.05000	0	102.8	75	125	0.05310	3.25	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MB-59750		SampType: MBLK		Units: mg/L		Prep Date: 4/14/2010			RunNo: 134488		
Client ID: ZZZZZZ		Batch ID: 59750		SOP 3044		Analysis Date: 4/15/2010			SeqNo: 2579658		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: 10040547-002DMS		SampType: MS		Units: mg/L		Prep Date: 4/14/2010			RunNo: 134488		
Client ID: 31027-treated-4/13/1		Batch ID: 59750		SOP 3044		Analysis Date: 4/15/2010			SeqNo: 2579663		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0168	0.0020	0.01500	0.0004844	109.0	70	130			
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Sample ID: 10040547-002DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/14/2010			RunNo: 134488		
Client ID: 31027-treated-4/13/1		Batch ID: 59750		SOP 3044		Analysis Date: 4/15/2010			SeqNo: 2579671		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0151	0.0020	0.01500	0.0004844	97.8	70	130	0.01684	10.6	20
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Sample ID: LCS-59750		SampType: LCS		Units: mg/L		Prep Date: 4/14/2010			RunNo: 134488		
Client ID: ZZZZZZ		Batch ID: 59750		SOP 3044		Analysis Date: 4/15/2010			SeqNo: 2579701		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0151	0.0040	0.01500	0	101.0	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MB-59768	SampType: MBLK	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134470		
Client ID: ZZZZZZ	Batch ID: 59768	SOP 3062				Analysis Date: 4/15/2010			SeqNo: 2579032		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-59768	SampType: LCS	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134470		
Client ID: ZZZZZZ	Batch ID: 59768	SOP 3062				Analysis Date: 4/15/2010			SeqNo: 2579033		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00550	0.00020	0.005000	0	110.0	85	115				

Sample ID: MB-59768	SampType: MBLK	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134470		
Client ID: ZZZZZZ	Batch ID: 59768	SOP 3062				Analysis Date: 4/15/2010			SeqNo: 2579034		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-59768	SampType: LCS	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134470		
Client ID: ZZZZZZ	Batch ID: 59768	SOP 3062				Analysis Date: 4/15/2010			SeqNo: 2579035		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00550	0.00020	0.005000	0	110.0	85	115				

Sample ID: 10040547-002DMS	SampType: MS	Units: mg/L				Prep Date: 4/15/2010			RunNo: 134470		
Client ID: 31027-treated-4/13/1	Batch ID: 59768	SOP 3062				Analysis Date: 4/15/2010			SeqNo: 2579040		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00524	0.00020	0.005000	0	104.8	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7470 A

Sample ID: 10040547-002DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/15/2010		RunNo: 134470			
Client ID: 31027-treated-4/13/1		Batch ID: 59768		SOP 3062		Analysis Date: 4/15/2010		SeqNo: 2579041			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00510	0.00020	0.005000	0	102.0	75	125	0.005240	2.71	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCS-N100414-2		SampType: LCS		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134481			
Client ID: ZZZZZZ		Batch ID: 59774		SW5030		Analysis Date: 4/14/2010		SeqNo: 2579495			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.4	2.0	50.00	0	98.7	82.7	117				
Ethylbenzene	48.6	5.0	50.00	0	97.2	83	113				
Toluene	47.5	5.0	50.00	0	95.0	79.6	116				
Xylenes, Total	147	5.0	150.0	0	98.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	47.6		50.00		95.2	74.7	129				
Surr: 4-Bromofluorobenzene	49.6		50.00		99.2	86	119				
Surr: Dibromofluoromethane	48.9		50.00		97.9	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.5	84.3	114				

Sample ID: LCSD-N100414-2		SampType: LCSD		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134481			
Client ID: ZZZZZZ		Batch ID: 59774		SW5030		Analysis Date: 4/14/2010		SeqNo: 2579496			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.6	2.0	50.00	0	93.2	82.7	117	49.36	5.75	20	
Ethylbenzene	46.1	5.0	50.00	0	92.3	83	113	48.62	5.26	20	
Toluene	46.0	5.0	50.00	0	91.9	79.6	116	47.52	3.36	20	
Xylenes, Total	143	5.0	150.0	0	95.7	80.3	120	147.2	2.57	20	
Surr: 1,2-Dichloroethane-d4	46.4		50.00		92.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.7		50.00		99.4	86	119		0	0	
Surr: Dibromofluoromethane	48.7		50.00		97.4	81.7	123		0	0	
Surr: Toluene-d8	48.3		50.00		96.5	84.3	114		0	0	

Sample ID: MBLK-N100414-2		SampType: MBLK		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134481			
Client ID: ZZZZZZ		Batch ID: 59774		SW5030		Analysis Date: 4/15/2010		SeqNo: 2579497			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MBLK-N100414-2		SampType: MBLK		Units: µg/L		Prep Date: 4/14/2010			RunNo: 134481		
Client ID: ZZZZZZ		Batch ID: 59774		SW5030		Analysis Date: 4/15/2010			SeqNo: 2579497		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	47.8		50.00		95.7	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119				
Surr: Dibromofluoromethane	48.5		50.00		97.1	81.7	123				
Surr: Toluene-d8	48.1		50.00		96.2	84.3	114				

Sample ID: 10040547-003FMS		SampType: MS		Units: µg/L		Prep Date: 4/14/2010		RunNo: 134481			
Client ID: 29583-treated-4/13/1		Batch ID: 59774		SW5030		Analysis Date: 4/15/2010		SeqNo: 2579503			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.1	2.0	48.00	1.670	98.8	57.8	125				
Toluene	51.4	5.0	48.00	1.300	104.4	75.8	123				
Ethylbenzene	52.3	5.0	48.00	0	108.9	72.8	123				
Xylenes, Total	107	5.0	96.00	1.000	110.9	73	127				
Surr: 1,2-Dichloroethane-d4	46.0		50.00		92.1	74.7	129				
Surr: 4-Bromofluorobenzene	50.8		50.00		101.5	86	119				
Surr: Dibromofluoromethane	48.9		50.00		97.8	81.7	123				
Surr: Toluene-d8	48.0		50.00		96.0	84.3	114				

Sample ID: 10040547-003FMSD		SampType: MSD		Units: µg/L		Prep Date: 4/14/2010			RunNo: 134481		
Client ID: 29583-treated-4/13/1		Batch ID: 59774		SW5030		Analysis Date: 4/15/2010			SeqNo: 2579504		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.1	2.0	48.00	1.670	98.8	57.8	125	49.11	0.0407	20	
Toluene	51.6	5.0	48.00	1.300	104.7	75.8	123	51.39	0.350	20	
Ethylbenzene	52.7	5.0	48.00	0	109.7	72.8	123	52.28	0.743	20	
Xylenes, Total	108	5.0	96.00	1.000	111.6	73	127	107.4	0.612	20	
Surr: 1,2-Dichloroethane-d4	47.3		50.00		94.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.7		50.00		101.4	86	119		0	0	
Surr: Dibromofluoromethane	48.8		50.00		97.6	81.7	123		0	0	
Surr: Toluene-d8	48.8		50.00		97.6	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MB-59725	SampType: MBLK	Units: mg/L			Prep Date: 4/14/2010			RunNo: 134462			
Client ID: ZZZZZZ	Batch ID: 59725	SW3510C			Analysis Date: 4/15/2010			SeqNo: 2578658			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0151		0.02500		60.3	41.9	97.9				
Surr: 2-Fluorophenol	0.0203		0.05000		40.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.0165		0.02500		65.9	39.9	106				
Surr: Phenol-d5	0.0128		0.05000		25.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.0172		0.02500		68.9	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCS-59725	SampType: LCS	Units: mg/L			Prep Date: 4/14/2010			RunNo: 134462			
Client ID: ZZZZZZ	Batch ID: 59725	SW3510C			Analysis Date: 4/15/2010			SeqNo: 2578659			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00348	0.00010	0.005000	0	69.6	50.1	103				
Acenaphthylene	0.00341	0.00010	0.005000	0	68.1	53.3	122				
Anthracene	0.00374	0.00010	0.005000	0	74.7	57.4	110				
Benzo(a)anthracene	0.00312	0.00010	0.005000	0	62.4	56	102				
Benzo(a)pyrene	0.00380	0.00010	0.005000	0	75.9	55.4	125				
Benzo(b)fluoranthene	0.00378	0.00010	0.005000	0	75.7	59.3	127				
Benzo(g,h,i)perylene	0.00380	0.00010	0.005000	0	76.0	58.4	125				
Benzo(k)fluoranthene	0.00381	0.00010	0.005000	0	76.2	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00437	0.00200	0.005000	0	87.3	63.2	152				
Chrysene	0.00373	0.00010	0.005000	0	74.6	58.7	118				
Dibenzo(a,h)anthracene	0.00383	0.00010	0.005000	0	76.7	59.3	126				
Diethyl phthalate	0.00374	0.00100	0.005000	0	74.7	55.3	133				
Dimethyl phthalate	0.00385	0.00100	0.005000	0	77.0	55.7	112				
Di-n-butyl phthalate	0.00366	0.00100	0.005000	0	73.2	61.5	130				
Fluoranthene	0.00382	0.00010	0.005000	0	76.4	60.1	117				
Fluorene	0.00338	0.00010	0.005000	0	67.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00388	0.00010	0.005000	0	77.6	58.1	123				
m,p-Cresol	0.00299	0.00010	0.005000	0	59.7	17.9	107				
Naphthalene	0.00322	0.00010	0.005000	0	64.3	36.3	97.1				
o-Cresol	0.00324	0.00010	0.005000	0	64.8	20.5	109				
Phenanthrene	0.00354	0.00010	0.005000	0	70.7	55.9	107				
Pyrene	0.00389	0.00010	0.005000	0	77.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.0165		0.02500		66.0	41.9	97.9				
Surr: 2-Fluorophenol	0.0233		0.05000		46.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.0182		0.02500		73.0	39.9	106				
Surr: Phenol-d5	0.0146		0.05000		29.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.0190		0.02500		76.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCSD-59725		SampType: LCSD		Units: mg/L		Prep Date: 4/14/2010		RunNo: 134462			
Client ID: ZZZZZZ		Batch ID: 59725		SW3510C		Analysis Date: 4/15/2010		SeqNo: 2578660			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00341	0.00010	0.005000	0	68.2	50.1	103	0.003481	2.09	50	
Acenaphthylene	0.00337	0.00010	0.005000	0	67.5	53.3	122	0.003406	0.944	50	
Anthracene	0.00348	0.00010	0.005000	0	69.6	57.4	110	0.003737	7.15	50	
Benzo(a)anthracene	0.00314	0.00010	0.005000	0	62.8	56	102	0.003120	0.575	50	
Benzo(a)pyrene	0.00360	0.00010	0.005000	0	71.9	55.4	125	0.003796	5.41	50	
Benzo(b)fluoranthene	0.00358	0.00010	0.005000	0	71.5	59.3	127	0.003785	5.65	50	
Benzo(g,h,i)perylene	0.00358	0.00010	0.005000	0	71.5	58.4	125	0.003798	6.02	50	
Benzo(k)fluoranthene	0.00378	0.00010	0.005000	0	75.5	61.5	125	0.003809	0.897	50	
Bis(2-ethylhexyl)phthalate	0.00454	0.00200	0.005000	0	90.7	63.2	152	0.004367	3.77	50	
Chrysene	0.00358	0.00010	0.005000	0	71.6	58.7	118	0.003729	4.05	50	
Dibenzo(a,h)anthracene	0.00360	0.00010	0.005000	0	72.1	59.3	126	0.003834	6.21	50	
Diethyl phthalate	0.00383	0.00100	0.005000	0	76.6	55.3	133	0.003735	2.56	40	
Dimethyl phthalate	0.00388	0.00100	0.005000	0	77.5	55.7	112	0.003851	0.621	40	
Di-n-butyl phthalate	0.00355	0.00100	0.005000	0	71.0	61.5	130	0.003662	3.05	50	
Fluoranthene	0.00362	0.00010	0.005000	0	72.4	60.1	117	0.003820	5.35	50	
Fluorene	0.00332	0.00010	0.005000	0	66.4	54.1	110	0.003379	1.79	50	
Indeno(1,2,3-cd)pyrene	0.00362	0.00010	0.005000	0	72.4	58.1	123	0.003878	6.83	50	
m,p-Cresol	0.00292	0.00010	0.005000	0	58.3	17.9	107	0.002987	2.41	50	
Naphthalene	0.00334	0.00010	0.005000	0	66.7	36.3	97.1	0.003216	3.69	50	
o-Cresol	0.00317	0.00010	0.005000	0	63.3	20.5	109	0.003242	2.34	50	
Phenanthrene	0.00342	0.00010	0.005000	0	68.4	55.9	107	0.003535	3.31	50	
Pyrene	0.00367	0.00010	0.005000	0	73.3	61.4	116	0.003892	6.01	50	
Surr: 2-Fluorobiphenyl	0.0164		0.02500		65.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0216		0.05000		43.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0178		0.02500		71.2	39.9	106		0	50	
Surr: Phenol-d5	0.0140		0.05000		28.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0180		0.02500		72.0	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MB-R134482		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134482		
Client ID: ZZZZZZ		Batch ID: R134482			Analysis Date: 4/15/2010			SeqNo: 2583539				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R134482		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134482		
Client ID: ZZZZZZ		Batch ID: R134482			Analysis Date: 4/15/2010			SeqNo: 2583540				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.086 0.007 0.1000 0 86.0 85 115

Sample ID: LCS-R134671		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ		Batch ID: R134671			Analysis Date: 4/20/2010			SeqNo: 2586382				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.108 0.007 0.1000 0 107.9 90 110

Sample ID: MB-R134671	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134671			
Client ID: ZZZZZZ	Batch ID: R134671				Analysis Date: 4/20/2010			SeqNo: 2586863			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide < 0.007 0.007

Sample ID: MB-R134482		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134482		
Client ID: ZZZZZZ		Batch ID: R134482			Analysis Date: 4/15/2010					SeqNo: 2579535		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: LCS-R134482	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134482		
Client ID: ZZZZZZ	Batch ID: R134482					Analysis Date: 4/15/2010			SeqNo: 2579536		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.086	0.007	0.1000	0	86.0	85	115				

Sample ID: 10040547-002EMS	SampType: MS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: 31027-treated-4/13/1	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586399		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.902	0.280	0.1000	0.6340	268.1	75	125				S

Sample ID: 10040547-002EMSD	SampType: MSD	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: 31027-treated-4/13/1	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586401		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	1.06	0.280	0.1000	0.6340	421.9	75	125	0.9020	15.7	15	SR

Sample ID: LCS	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586439		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.091	0.007	0.1000	0	91.0	85	115				

Sample ID: MBLK-R134671	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586440		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040547

Report Date: 21-Apr-10

Sample ID: MB-R134671		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ		Batch ID: R134671			Analysis Date: 4/20/2010			SeqNo: 2586751				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134671		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ		Batch ID: R134671			Analysis Date: 4/20/2010			SeqNo: 2586752				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.104	0.007	0.1000	0	104.3	85	115				
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Sample ID: MB-R134671	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134671			
Client ID: ZZZZZZ	Batch ID: R134671				Analysis Date: 4/21/2010			SeqNo: 2587107			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134671		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ		Batch ID: R134671			Analysis Date: 4/21/2010			SeqNo: 2587108				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.108	0.007	0.1000	0	108.4	85	115				
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040547

Report Date: 21-Apr-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

14-Apr-10

Dawn Brantley

Reviewed by:

On:

15-Apr-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☒

Any No responses must be detailed below or on the COC.

31027-treated-4/13/10 was split for metals analyses and preserved with nitric acid upon arrival at the laboratory. DB 4/14/10

April 26, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10040708

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/19/2010 1:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Shelly A. Hennessy".

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040708

Report Date: 26-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040708-001	6782-treated-4/19/10	5	4/19/2010 8:40:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10040708

Report Date: 26-Apr-10

Cooler Receipt Temp: 8.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040708

Lab ID: 10040708-001

Report Date: 26-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6782-treated-4/19/10

Collection Date: 4/19/2010 8:40:00 AM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.36		1	4/19/2010 4:23:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	4/19/2010 3:20:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		< 0.05	mg/L	1	4/19/2010 4:30:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		14	mg/L	1	4/19/2010 4:40:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/20/2010 9:55:23 AM	LAL
Barium	NELAP	0.0050		0.129	mg/L	1	4/20/2010 9:55:23 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/20/2010 9:55:23 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/20/2010 9:55:23 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/20/2010 9:55:23 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/20/2010 9:55:23 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	4/20/2010 11:37:40 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00012	mg/L	1	4/20/2010 9:26:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00012	mg/L	1	4/20/2010 9:26:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	4/20/2010 9:26:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040708

Lab ID: 10040708-001

Report Date: 26-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6782-treated-4/19/10

Collection Date: 4/19/2010 8:40:00 AM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		0.00015	mg/L	1	4/20/2010 9:26:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00038	mg/L	1	4/20/2010 9:26:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		66.8	%REC	1	4/20/2010 9:26:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		37.7	%REC	1	4/20/2010 9:26:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		66.8	%REC	1	4/20/2010 9:26:00 AM	MAV
Surr: Phenol-d5		11-42.8		23.5	%REC	1	4/20/2010 9:26:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		75.6	%REC	1	4/20/2010 9:26:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.7	µg/L	1	4/20/2010 3:14:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/20/2010 3:14:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	4/20/2010 3:14:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	4/20/2010 3:14:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		101.2	%REC	1	4/20/2010 3:14:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		104.3	%REC	1	4/20/2010 3:14:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		102.9	%REC	1	4/20/2010 3:14:00 PM	TAL
Surr: Toluene-d8		84.3-114		100.9	%REC	1	4/20/2010 3:14:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	4/20/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		Interference	mg/L	20	4/20/2010	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	0.827	mg/L	20	4/20/2010	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 7470A (Total)

Hg - Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040708-001A	6782-treated-4/19/10	4/19/2010	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/19/2010 9:47:10 PM	4/20/2010 9:26:00 AM
10040708-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/19/2010 4:23:00 PM
				Standard Methods 18th Ed. 2540 D		4/19/2010 3:20:00 PM
				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/19/2010 4:30:00 PM
				Standard Methods 18th Ed. 5210 B	4/19/2010 4:40:00 PM	4/19/2010 4:40:00 PM
10040708-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	4/19/2010 2:12:09 PM	4/20/2010 9:55:23 AM
				SW-846 3020A, Metals by GFAA (Total)	4/19/2010 2:00:00 PM	4/20/2010 11:37:40 AM
				SW-846 7470A (Total)	4/19/2010 3:00:41 PM	4/20/2010
10040708-001D				SW-846 9012A		4/20/2010
				SW-846 9012A (Total)		4/20/2010
10040708-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/19/2010 3:10:00 PM
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/20/2010 3:14:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040708

Report Date: 26-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R134615		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 134615		
Client ID: ZZZZZZ		Batch ID: R134615					Analysis Date: 4/19/2010			SeqNo: 2584047	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R134615		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134615		
Client ID: ZZZZZZ		Batch ID: R134615			Analysis Date: 4/19/2010			SeqNo: 2584048				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: 10040708-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 134615		
Client ID: 6782-treated-4/19/10		Batch ID: R134615			Analysis Date: 4/19/2010			SeqNo: 2585594				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 134615		
Client ID: ZZZZZZ		Batch ID: R134615			Analysis Date: 4/19/2010			SeqNo: 2585773				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC				Units: mg/L		Prep Date:			RunNo: 134615		
Client ID: ZZZZZZ	Batch ID: R134615				Analysis Date: 4/19/2010			SeqNo: 2585791				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 134615		
Client ID: ZZZZZZ	Batch ID: R134615					Analysis Date: 4/19/2010			SeqNo: 2585811		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	91	6	100.0	0	91.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 134615		
Client ID: ZZZZZZ	Batch ID: R134615					Analysis Date: 4/19/2010			SeqNo: 2585825		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-CL G R

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: MB-R134618		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134618		
Client ID: ZZZZZZ		Batch ID: R134618			Analysis Date: 4/19/2010			SeqNo: 2584145				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	< 0.05	0.05
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Sample ID: LCS-R134618		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134618		
Client ID: ZZZZZZ		Batch ID: R134618			Analysis Date: 4/19/2010			SeqNo: 2584146				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	4.02	0.50	4.400	0	91.4	79.7	114.1
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Sample ID: 10040708-001BMS		SampType: MS		Units: mg/L		Prep Date:		RunNo: 134618			
Client ID: 6782-treated-4/19/10		Batch ID: R134618				Analysis Date: 4/19/2010		SeqNo: 2584148			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	1.35	0.05	1.322	0	101.9	80	120
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Sample ID: 10040708-001BMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 134618		
Client ID: 6782-treated-4/19/10		Batch ID: R134618					Analysis Date: 4/19/2010			SeqNo: 2584149	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	1.32	0.05	1.322	0	99.6	80	120	1.347	2.25	10
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-R134616		SampType: LCS			Units:		Prep Date:			RunNo: 134616		
Client ID: ZZZZZZ		Batch ID: R134616			Analysis Date: 4/19/2010			SeqNo: 2584108				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10040708-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 134616			
Client ID: 6782-treated-4/19/10		Batch ID: R134616				Analysis Date: 4/19/2010		SeqNo: 2594003			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.36	1.00						7.360	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-59878	SampType: LCS	Units: mg/L				Prep Date: 4/19/2010			RunNo: 134875		
Client ID: ZZZZZZ	Batch ID: 59878	SOP 2030				Analysis Date: 4/19/2010			SeqNo: 2593195		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	200	5	198.0	0	101.0	84.6	115.4				

Sample ID: LCSQC-59878	SampType: LCSQC	Units: mg/L				Prep Date: 4/19/2010			RunNo: 134875		
Client ID: ZZZZZZ	Batch ID: 59878	SOP 2030				Analysis Date: 4/19/2010			SeqNo: 2593196		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	102	5	93.60	0	109.0	70.6	127.7				

Sample ID: 10040708-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 4/19/2010			RunNo: 134875		
Client ID: 6782-treated-4/19/10	Batch ID: 59878	SOP 2030				Analysis Date: 4/19/2010			SeqNo: 2593206		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	14	5						14.00	0	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040708

Report Date: 26-Apr-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: MB-59862	SampType: MBLK	Units: mg/L				Prep Date: 4/19/2010			RunNo: 134638		
Client ID: ZZZZZZ	Batch ID: 59862	SOP 3034				Analysis Date: 4/20/2010			SeqNo: 2585016		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59862	SampType: LCS	Units: mg/L				Prep Date: 4/19/2010			RunNo: 134638		
Client ID: ZZZZZZ	Batch ID: 59862	SOP 3034				Analysis Date: 4/20/2010			SeqNo: 2585017		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.1	85	115				
Barium	1.90	0.0050	2.000	0	94.8	85	115				
Cadmium	0.0487	0.0020	0.05000	0	97.4	85	115				
Chromium	0.200	0.0100	0.2000	0	100.2	85	115				
Selenium	2.01	0.0500	2.000	0	100.7	85	115				
Silver	0.0539	0.0100	0.05000	0	107.8	85	115				

Sample ID: 10040708-001CMS	SampType: MS	Units: mg/L				Prep Date: 4/19/2010			RunNo: 134638		
Client ID: 6782-treated-4/19/10	Batch ID: 59862	SOP 3034				Analysis Date: 4/20/2010			SeqNo: 2585019		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.5	75	125				
Barium	1.96	0.0050	2.000	0.1286	91.3	75	125				
Cadmium	0.0472	0.0020	0.05000	0	94.4	75	125				
Chromium	0.199	0.0100	0.2000	0	99.7	75	125				
Selenium	1.97	0.0500	2.000	0	98.7	75	125				
Silver	0.0507	0.0100	0.05000	0	101.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: 10040708-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/19/2010		RunNo: 134638			
Client ID: 6782-treated-4/19/10		Batch ID: 59862		SOP 3034		Analysis Date: 4/20/2010		SeqNo: 2585020			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.2	75	125	2.050	0.244	20	
Barium	1.95	0.0050	2.000	0.1286	90.9	75	125	1.955	0.461	20	
Cadmium	0.0467	0.0020	0.05000	0	93.4	75	125	0.04720	1.06	20	
Chromium	0.200	0.0100	0.2000	0	99.9	75	125	0.1993	0.251	20	
Selenium	2.02	0.0500	2.000	0	101.2	75	125	1.974	2.45	20	
Silver	0.0518	0.0100	0.05000	0	103.6	75	125	0.05070	2.15	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: MB-59857		SampType: MBLK		Units: mg/L		Prep Date: 4/19/2010			RunNo: 134647		
Client ID: ZZZZZZ		Batch ID: 59857		SOP 3044		Analysis Date: 4/20/2010			SeqNo: 2585150		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-59857		SampType: LCS		Units: mg/L		Prep Date: 4/19/2010			RunNo: 134647		
Client ID: ZZZZZZ		Batch ID: 59857		SOP 3044		Analysis Date: 4/20/2010			SeqNo: 2585151		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0159	0.0020	0.01500	0	105.7	80	120			
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Sample ID: 10040708-001CMS		SampType: MS		Units: mg/L		Prep Date: 4/19/2010		RunNo: 134647			
Client ID: 6782-treated-4/19/10		Batch ID: 59857		SOP 3044		Analysis Date: 4/20/2010		SeqNo: 2585153			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0130	0.0020	0.01500	0	86.8	70	130			
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Sample ID: 10040708-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/19/2010			RunNo: 134647		
Client ID: 6782-treated-4/19/10		Batch ID: 59857		SOP 3044		Analysis Date: 4/20/2010			SeqNo: 2585156		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0134	0.0020	0.01500	0	89.2	70	130	0.01301	2.74	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: MB-59872		SampType: MBLK			Units: mg/L		Prep Date: 4/19/2010			RunNo: 134643		
Client ID: ZZZZZZ		Batch ID: 59872			SOP 3062		Analysis Date: 4/20/2010			SeqNo: 2584956		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-59872		SampType: LCS			Units: mg/L		Prep Date: 4/19/2010			RunNo: 134643		
Client ID: ZZZZZZ		Batch ID: 59872			SOP 3062		Analysis Date: 4/20/2010			SeqNo: 2584957		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00497	0.00020	0.005000	0	99.4	85	115				
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Sample ID: 10040708-001CMS	SampType: MS	Units: mg/L			Prep Date: 4/19/2010			RunNo: 134643			
Client ID: 6782-treated-4/19/10	Batch ID: 59872	SOP 3062			Analysis Date: 4/20/2010			SeqNo: 2584990			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00296	0.00020	0.005000	0	59.2	75	125				S
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Sample ID: 10040708-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/19/2010			RunNo: 134643		
Client ID: 6782-treated-4/19/10		Batch ID: 59872		SOP 3062		Analysis Date: 4/20/2010			SeqNo: 2584991		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00311	0.00020	0.005000	0	62.2	75	125	0.002960	4.94	15	S
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Sample ID: MB-59872		SampType: MBLK		Units: mg/L		Prep Date: 4/19/2010		RunNo: 134643			
Client ID: ZZZZZZ		Batch ID: 59872		SOP 3062		Analysis Date: 4/20/2010		SeqNo: 2584958			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-59872	SampType: LCS	Units: mg/L			Prep Date: 4/19/2010	RunNo: 134643					
Client ID: ZZZZZZ	Batch ID: 59872	SOP 3062			Analysis Date: 4/20/2010	SeqNo: 2584959					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00497	0.00020	0.005000	0	99.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-T100419-1		SampType: LCS		Units: µg/L		Prep Date: 4/19/2010		RunNo: 134594			
Client ID: ZZZZZZ		Batch ID: 59855		SW5030		Analysis Date: 4/19/2010		SeqNo: 2583393			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.5	2.0	50.00	0	101.0	82.7	117				
Ethylbenzene	50.1	5.0	50.00	0	100.2	83	113				
Toluene	50.0	5.0	50.00	0	100.1	79.6	116				
Xylenes, Total	150	5.0	150.0	0	99.8	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.1		50.00		100.2	74.7	129				
Surr: 4-Bromofluorobenzene	48.1		50.00		96.2	86	119				
Surr: Dibromofluoromethane	51.5		50.00		103.1	81.7	123				
Surr: Toluene-d8	50.5		50.00		101.1	84.3	114				

Sample ID: MBLK-T100419-1		SampType: MBLK		Units: µg/L		Prep Date: 4/19/2010		RunNo: 134594			
Client ID: ZZZZZZ		Batch ID: 59855		SW5030		Analysis Date: 4/19/2010		SeqNo: 2583394			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.5		50.00		99.0	74.7	129				
Surr: 4-Bromofluorobenzene	51.5		50.00		102.9	86	119				
Surr: Dibromofluoromethane	51.4		50.00		102.7	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.2	84.3	114				

Sample ID: LCS-T100420-1		SampType: LCS		Units: µg/L		Prep Date: 4/20/2010		RunNo: 134664			
Client ID: ZZZZZZ		Batch ID: 59895		SW5030		Analysis Date: 4/20/2010		SeqNo: 2585584			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.4	2.0	50.00	0	100.8	82.7	117				
Ethylbenzene	49.8	5.0	50.00	0	99.7	83	113				
Toluene	49.5	5.0	50.00	0	99.0	79.6	116				
Xylenes, Total	148	5.0	150.0	0	98.9	80.3	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-T100420-1		SampType: LCS		Units: µg/L		Prep Date: 4/20/2010			RunNo: 134664		
Client ID: ZZZZZZ		Batch ID: 59895		SW5030		Analysis Date: 4/20/2010			SeqNo: 2585584		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	52.0		50.00		104.0	74.7	129				
Surr: 4-Bromofluorobenzene	48.6		50.00		97.1	86	119				
Surr: Dibromofluoromethane	51.8		50.00		103.6	81.7	123				
Surr: Toluene-d8	50.8		50.00		101.6	84.3	114				

Sample ID: LCSD-T100420-1		SampType: LCSD		Units: µg/L		Prep Date: 4/20/2010				RunNo: 134664		
Client ID: ZZZZZZ		Batch ID: 59895		SW5030		Analysis Date: 4/20/2010				SeqNo: 2585585		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	48.9	2.0	50.00	0	97.8	82.7	117	50.41	3.00	20	
Ethylbenzene	48.8	5.0	50.00	0	97.6	83	113	49.84	2.09	20	
Toluene	48.6	5.0	50.00	0	97.1	79.6	116	49.49	1.92	20	
Xylenes, Total	146	5.0	150.0	0	97.1	80.3	120	148.3	1.84	20	
Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.1		50.00		98.2	86	119		0	0	
Surr: Dibromofluoromethane	51.3		50.00		102.6	81.7	123		0	0	
Surr: Toluene-d8	50.8		50.00		101.6	84.3	114		0	0	

Sample ID: MBLK-T100420-1	SampType: MBLK	Units: µg/L	Prep Date: 4/20/2010	RunNo: 134664							
Client ID: ZZZZZZ	Batch ID: 59895	SW5030	Analysis Date: 4/20/2010	SeqNo: 2585586							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.6	74.7	129				
Surr: 4-Bromofluorobenzene	52.0		50.00		103.9	86	119				
Surr: Dibromofluoromethane	51.2		50.00		102.5	81.7	123				
Surr: Toluene-d8	49.9		50.00		99.8	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: 10040708-001EMS	SampType: MS	Units: µg/L				Prep Date: 4/20/2010				RunNo: 134664		
Client ID: 6782-treated-4/19/10	Batch ID: 59855	SW5030				Analysis Date: 4/20/2010				SeqNo: 2585604		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	31.0	2.0	28.00	0.7100	108.2	57.8	125				
Toluene	31.0	5.0	28.00	0	110.5	75.8	123				
Ethylbenzene	31.3	5.0	28.00	0	111.9	72.8	123				
Xylenes, Total	61.1	5.0	56.00	0	109.1	73	127				
Surr: 1,2-Dichloroethane-d4	51.3		50.00		102.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.6	86	119				
Surr: Dibromofluoromethane	51.8		50.00		103.6	81.7	123				
Surr: Toluene-d8	50.2		50.00		100.5	84.3	114				

Sample ID: 10040708-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 4/20/2010			RunNo: 134664		
Client ID: 6782-treated-4/19/10		Batch ID: 59855		SW5030		Analysis Date: 4/20/2010			SeqNo: 2585605		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	30.9	2.0	28.00	0.7100	107.9	57.8	125	31.01	0.258	20	
Toluene	31.2	5.0	28.00	0	111.4	75.8	123	30.95	0.805	20	
Ethylbenzene	31.4	5.0	28.00	0	112.1	72.8	123	31.34	0.191	20	
Xylenes, Total	61.4	5.0	56.00	0	109.6	73	127	61.11	0.441	20	
Surr: 1,2-Dichloroethane-d4	51.8		50.00		103.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.2		50.00		102.4	86	119		0	0	
Surr: Dibromofluoromethane	51.3		50.00		102.6	81.7	123		0	0	
Surr: Toluene-d8	50.5		50.00		101.1	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: MB-59863	SampType: MBLK	Units: mg/L			Prep Date: 4/19/2010			RunNo: 134622			
Client ID: ZZZZZZ	Batch ID: 59863	SW3510C			Analysis Date: 4/20/2010			SeqNo: 2584765			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00364		0.005000		72.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00407		0.01000		40.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00337		0.005000		67.4	39.9	106				
Surr: Phenol-d5	0.00256		0.01000		25.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00403		0.005000		80.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-59863	SampType: LCS	Units: mg/L			Prep Date: 4/19/2010			RunNo: 134622			
Client ID: ZZZZZZ	Batch ID: 59863	SW3510C			Analysis Date: 4/20/2010			SeqNo: 2584766			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00372	0.00010	0.005000	0	74.5	50.1	103				
Acenaphthylene	0.00358	0.00010	0.005000	0	71.6	53.3	122				
Anthracene	0.00401	0.00010	0.005000	0	80.2	57.4	110				
Benzo(a)anthracene	0.00333	0.00010	0.005000	0	66.6	56	102				
Benzo(a)pyrene	0.00396	0.00010	0.005000	0	79.2	55.4	125				
Benzo(b)fluoranthene	0.00391	0.00010	0.005000	0	78.1	59.3	127				
Benzo(g,h,i)perylene	0.00388	0.00010	0.005000	0	77.5	58.4	125				
Benzo(k)fluoranthene	0.00393	0.00010	0.005000	0	78.7	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00424	0.00200	0.005000	0	84.8	63.2	152				
Chrysene	0.00379	0.00010	0.005000	0	75.8	58.7	118				
Dibenzo(a,h)anthracene	0.00390	0.00010	0.005000	0	77.9	59.3	126				
Diethyl phthalate	0.00410	0.00100	0.005000	0	82.1	55.3	133				
Dimethyl phthalate	0.00412	0.00100	0.005000	0	82.4	55.7	112				
Di-n-butyl phthalate	0.00437	0.00100	0.005000	0	87.4	61.5	130				
Fluoranthene	0.00404	0.00010	0.005000	0	80.8	60.1	117				
Fluorene	0.00364	0.00010	0.005000	0	72.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00395	0.00010	0.005000	0	79.0	58.1	123				
m,p-Cresol	0.00306	0.00010	0.005000	0	61.3	17.9	107				
Naphthalene	0.00320	0.00010	0.005000	0	63.9	36.3	97.1				
o-Cresol	0.00320	0.00010	0.005000	0	63.9	20.5	109				
Phenanthrene	0.00368	0.00010	0.005000	0	73.7	55.9	107				
Pyrene	0.00404	0.00010	0.005000	0	80.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00321		0.005000		64.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00423		0.01000		42.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00306		0.005000		61.2	39.9	106				
Surr: Phenol-d5	0.00272		0.01000		27.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00379		0.005000		75.8	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCSD-59863		SampType: LCSD		Units: mg/L		Prep Date: 4/19/2010		RunNo: 134622			
Client ID: ZZZZZZ		Batch ID: 59863		SW3510C		Analysis Date: 4/20/2010		SeqNo: 2584767			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00373	0.00010	0.005000	0	74.6	50.1	103	0.003725	0.188	50	
Acenaphthylene	0.00349	0.00010	0.005000	0	69.8	53.3	122	0.003581	2.63	50	
Anthracene	0.00398	0.00010	0.005000	0	79.5	57.4	110	0.004012	0.876	50	
Benzo(a)anthracene	0.00338	0.00010	0.005000	0	67.5	56	102	0.003332	1.34	50	
Benzo(a)pyrene	0.00386	0.00010	0.005000	0	77.1	55.4	125	0.003962	2.74	50	
Benzo(b)fluoranthene	0.00390	0.00010	0.005000	0	78.0	59.3	127	0.003907	0.205	50	
Benzo(g,h,i)perylene	0.00388	0.00010	0.005000	0	77.5	58.4	125	0.003875	0.0258	50	
Benzo(k)fluoranthene	0.00398	0.00010	0.005000	0	79.6	61.5	125	0.003933	1.24	50	
Bis(2-ethylhexyl)phthalate	0.00542	0.00200	0.005000	0	108.4	63.2	152	0.004240	24.4	50	
Chrysene	0.00374	0.00010	0.005000	0	74.9	58.7	118	0.003788	1.20	50	
Dibenzo(a,h)anthracene	0.00393	0.00010	0.005000	0	78.6	59.3	126	0.003895	0.869	50	
Diethyl phthalate	0.00402	0.00100	0.005000	0	80.4	55.3	133	0.004105	2.07	40	
Dimethyl phthalate	0.00433	0.00100	0.005000	0	86.6	55.7	112	0.004122	4.97	40	
Di-n-butyl phthalate	0.00438	0.00100	0.005000	0	87.7	61.5	130	0.004368	0.343	50	
Fluoranthene	0.00399	0.00010	0.005000	0	79.8	60.1	117	0.004042	1.32	50	
Fluorene	0.00367	0.00010	0.005000	0	73.3	54.1	110	0.003644	0.575	50	
Indeno(1,2,3-cd)pyrene	0.00398	0.00010	0.005000	0	79.7	58.1	123	0.003949	0.882	50	
m,p-Cresol	0.00289	0.00010	0.005000	0	57.8	17.9	107	0.003065	5.95	50	
Naphthalene	0.00325	0.00010	0.005000	0	65.1	36.3	97.1	0.003196	1.80	50	
o-Cresol	0.00320	0.00010	0.005000	0	64.0	20.5	109	0.003196	0.125	50	
Phenanthrene	0.00377	0.00010	0.005000	0	75.4	55.9	107	0.003683	2.33	50	
Pyrene	0.00403	0.00010	0.005000	0	80.5	61.4	116	0.004036	0.248	50	
Surr: 2-Fluorobiphenyl	0.00325		0.005000		65.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00417		0.01000		41.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00325		0.005000		65.0	39.9	106		0	50	
Surr: Phenol-d5	0.00270		0.01000		27.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00378		0.005000		75.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: LCS-R134671	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586382		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.108	0.007	0.1000	0	107.9	90	110				

Sample ID: MB-R134671	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586863		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586439		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.091	0.007	0.1000	0	91.0	85	115				

Sample ID: MBLK-R134671	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586440		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: 10040708-001DMS	SampType: MS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: 6782-treated-4/19/10	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586469		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.825	0.140	0.05000	0.8269	-4.7	75	125				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10040708

Report Date: 26-Apr-10

Sample ID: 10040708-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 134671		
Client ID: 6782-treated-4/19/10		Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586470	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.858	0.140	0.05000	0.8269	62.1	75	125	0.8246	3.97	15	S

Sample ID: MB-R134671		SampType: MBLK			Units: mg/L		Prep Date:		RunNo: 134671		
Client ID: ZZZZZZ		Batch ID: R134671			Analysis Date: 4/20/2010				SeqNo: 2586751		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R134671	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134671			
Client ID: ZZZZZZ	Batch ID: R134671				Analysis Date: 4/20/2010			SeqNo: 2586752			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.104	0.007	0.1000	0	104.3	85	115				

Sample ID: MB-R134671		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ		Batch ID: R134671			Analysis Date: 4/21/2010			SeqNo: 2587107				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R134671	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/21/2010				SeqNo: 2587108		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.108	0.007	0.1000	0	108.4	85	115					

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040708

Report Date: 26-Apr-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

19-Apr-10

Marvin L. Darling

Reviewed by:

On:

19-Apr-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 8.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

18040708

COC Serial No. B 09611

Teklab, Inc.
Courier Pick Up

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Signature	Date
			4-19-10		4/19/10
			4/19/10		4/19/10

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler
PE-179 (6/03)

Shaded Areas to be Completed by Lab

April 26, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10040776

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/20/2010 3:12:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Shelly A. Hennessy". The signature is written in a cursive, flowing style.

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040776

Report Date: 26-Apr-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040776-001	29572-treated-4/20/10	5	4/20/2010 9:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10040776

Report Date: 26-Apr-10

Cooler Receipt Temp: 8.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10040776

Lab ID: 10040776-001

Report Date: 26-Apr-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 29572-treated-4/20/10

Collection Date: 4/20/2010 9:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.83		1	4/21/2010 1:40:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	4/21/2010 12:55:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		< 0.05	mg/L	1	4/20/2010 5:30:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	4/21/2010 5:10:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/21/2010 10:34:22 AM	LAL
Barium	NELAP	0.0050		0.147	mg/L	1	4/21/2010 10:34:22 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/21/2010 10:34:22 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/21/2010 10:34:22 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/21/2010 10:34:22 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/21/2010 10:34:22 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	4/21/2010 12:08:16 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Anthracene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Benzo(a)anthracene	NELAP	0.00010		0.00012	mg/L	1	4/21/2010 10:41:00 AM	MAM
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00221	mg/L	1	4/21/2010 10:41:00 AM	MAM
Chrysene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Fluoranthene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Fluorene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Naphthalene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
o-Cresol	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM
Phenanthrene	NELAP	0.00010		ND	mg/L	1	4/21/2010 10:41:00 AM	MAM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10040776
Lab ID: 10040776-001
Report Date: 26-Apr-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 29572-treated-4/20/10
Collection Date: 4/20/2010 9:30:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		0.00014	mg/L	1	4/21/2010 10:41:00 AM	MAM
Total PNAs except Naphthalene		0.00013		0.00026	mg/L	1	4/21/2010 10:41:00 AM	MAM
Surr: 2-Fluorobiphenyl		41.1-108		54.8	%REC	1	4/21/2010 10:41:00 AM	MAM
Surr: 2-Fluorophenol		16.8-65.9		32.7	%REC	1	4/21/2010 10:41:00 AM	MAM
Surr: Nitrobenzene-d5		37.6-105		53.3	%REC	1	4/21/2010 10:41:00 AM	MAM
Surr: Phenol-d5		11-42.8		20.2	%REC	1	4/21/2010 10:41:00 AM	MAM
Surr: p-Terphenyl-d14		49-113		57.4	%REC	1	4/21/2010 10:41:00 AM	MAM
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.7	µg/L	1	4/21/2010 8:13:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/21/2010 8:13:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	4/21/2010 8:13:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	4/21/2010 8:13:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		92.0	%REC	1	4/21/2010 8:13:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		103.4	%REC	1	4/21/2010 8:13:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		100.2	%REC	1	4/21/2010 8:13:00 AM	TAL
Surr: Toluene-d8		84.3-114		97.9	%REC	1	4/21/2010 8:13:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	4/21/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		Interference	mg/L	20	4/21/2010	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007		< 0.007	mg/L	1	4/21/2010	MVS

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 624908012C

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040776-001A	29572-treated-4/20/10	4/20/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/20/2010 7:00:55 PM	4/21/2010 10:41:00 AM
10040776-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/21/2010 1:40:00 PM
				Standard Methods 18th Ed. 2540 D		4/21/2010 12:55:00 PM
				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/20/2010 5:30:00 PM
				Standard Methods 18th Ed. 5210 B	4/21/2010 5:10:00 PM	4/21/2010 5:10:00 PM
10040776-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	4/20/2010 6:39:11 PM	4/21/2010 10:34:22 AM
				SW-846 3020A, Metals by GFAA (Total)	4/20/2010 6:27:10 PM	4/21/2010 12:08:16 PM
				SW-846 7470A (Total)	4/21/2010 8:16:43 AM	4/21/2010
10040776-001D				SW-846 9012A		4/21/2010
				SW-846 9012A (Total)		4/21/2010
10040776-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/21/2010 8:13:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040776

Report Date: 26-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCND_S_AT_9012A

Sample ID: LCS	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586439		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.091	0.007	0.1000	0	91.0	85	115				

Sample ID: MBLK-R134671	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586440		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: MB-R134671	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586751		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R134671	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/20/2010			SeqNo: 2586752		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.104	0.007	0.1000	0	104.3	85	115				

Sample ID: MB-R134671	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/21/2010			SeqNo: 2587107		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R134671	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 134671		
Client ID: ZZZZZZ	Batch ID: R134671					Analysis Date: 4/21/2010			SeqNo: 2587108		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCS-R134671	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134671			
Client ID: ZZZZZZ	Batch ID: R134671				Analysis Date: 4/21/2010			SeqNo: 2587108			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.108	0.007	0.1000	0	108.4	85	115				
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Sample ID: 10040776-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 134671			
Client ID: 29572-treated-4/20/1	Batch ID: R134671				Analysis Date: 4/21/2010			SeqNo: 2587112			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.052	0.007	0.05000	0	104.4	75	125				
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Sample ID: 10040776-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 134671			
Client ID: 29572-treated-4/20/1	Batch ID: R134671				Analysis Date: 4/21/2010			SeqNo: 2587113			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.053	0.007	0.05000	0	106.6	75	125	0.05222	2.03	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_BOD_M_AT

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCS-59974	SampType: LCS	Units: mg/L				Prep Date: 4/21/2010			RunNo: 134894		
Client ID: ZZZZZZ	Batch ID: 59974	SOP 2030				Analysis Date: 4/21/2010			SeqNo: 2593922		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	212	5	198.0	0	107.1	84.6	115.4				

Sample ID: LCSQC-59974	SampType: LCSQC	Units: mg/L				Prep Date: 4/21/2010			RunNo: 134894		
Client ID: ZZZZZZ	Batch ID: 59974	SOP 2030				Analysis Date: 4/21/2010			SeqNo: 2593923		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	101	5	93.60	0	107.9	70.6	127.7				

Sample ID: 10040776-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 4/21/2010			RunNo: 134894		
Client ID: 29572-treated-4/20/1	Batch ID: 59974	SOP 2030				Analysis Date: 4/21/2010			SeqNo: 2593930		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_CL2R_M_AT_NF

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: MB-R134701	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134701			
Client ID: ZZZZZZ	Batch ID: R134701				Analysis Date: 4/20/2010			SeqNo: 2586945			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	< 0.05	0.05									
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Sample ID: LCS-R134701	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134701			
Client ID: ZZZZZZ	Batch ID: R134701				Analysis Date: 4/20/2010			SeqNo: 2586946			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	3.98	0.50	4.400	0	90.5	79.7	114.1				
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Sample ID: 10040776-001BMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 134701			
Client ID: 29572-treated-4/20/1	Batch ID: R134701				Analysis Date: 4/20/2010			SeqNo: 2586948			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	1.36	0.05	1.322	0	103.0	80	120				
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Sample ID: 10040776-001BMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 134701			
Client ID: 29572-treated-4/20/1	Batch ID: R134701				Analysis Date: 4/20/2010			SeqNo: 2586949			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	1.34	0.05	1.322	0	101.8	80	120	1.362	1.26	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_PH_M_AT_NF

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCS-R134721	SampType: LCS	Units:			Prep Date:			RunNo: 134721			
Client ID: ZZZZZZ	Batch ID: R134721				Analysis Date: 4/21/2010			SeqNo: 2587548			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10040776-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 134721			
Client ID: 29572-treated-4/20/1	Batch ID: R134721				Analysis Date: 4/21/2010			SeqNo: 2587562			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.82	1.00						7.830	0.128	10	
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040776

Report Date: 26-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: MB-R134736	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588229			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R134736	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588230			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	101	6	100.0	0	101.0	85	115				

Sample ID: 10040776-001BDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: 29572-treated-4/20/1	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588232			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588249			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	87	6	100.0	0	87.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588300			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588406			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: I_TSS_M_AT

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588406			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	94	6	100.0	0	94.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588438			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	96	6	100.0	0	96.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134736			
Client ID: ZZZZZZ	Batch ID: R134736				Analysis Date: 4/21/2010			SeqNo: 2588453			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	97	6	100.0	0	97.0	85	115				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040776

Report Date: 26-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: MB-59889		SampType: MBLK			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134709		
Client ID: ZZZZZZ		Batch ID: 59889			SOP 3044		Analysis Date: 4/21/2010			SeqNo: 2587085		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-59889		SampType: LCS			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134709		
Client ID: ZZZZZZ		Batch ID: 59889			SOP 3044		Analysis Date: 4/21/2010			SeqNo: 2587086		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0.0147	0.0020	0.01500	0	98.3	80	120				

Sample ID: 10040776-001CMS		SampType: MS			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134709		
Client ID: 29572-treated-4/20/1		Batch ID: 59889			SOP 3044		Analysis Date: 4/21/2010			SeqNo: 2587088		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0.0173	0.0020	0.01500	0	115.4	70	130				

Sample ID: 10040776-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134709		
Client ID: 29572-treated-4/20/1		Batch ID: 59889			SOP 3044		Analysis Date: 4/21/2010			SeqNo: 2587089		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0.0173	0.0020	0.01500	0	115.3	70	130	0.01731	0.0809	20	

Sample ID: MB-59889		SampType: MBLK			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134885		
Client ID: ZZZZZZ		Batch ID: 59889			SOP 3044		Analysis Date: 4/26/2010			SeqNo: 2593639		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-59889		SampType: LCS			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134885		
Client ID: ZZZZZZ		Batch ID: 59889			SOP 3044		Analysis Date: 4/26/2010			SeqNo: 2593640		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040776

Report Date: 26-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: LCS-59889		SampType: LCS			Units: mg/L		Prep Date: 4/20/2010			RunNo: 134885		
Client ID: ZZZZZZ		Batch ID: 59889			SOP 3044		Analysis Date: 4/26/2010			SeqNo: 2593640		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0164	0.0020	0.01500	0	109.3	80	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: MB-59892	SampType: MBLK	Units: mg/L				Prep Date: 4/20/2010			RunNo: 134685		
Client ID: ZZZZZZ	Batch ID: 59892	SOP 3034				Analysis Date: 4/21/2010			SeqNo: 2587013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59892	SampType: LCS	Units: mg/L				Prep Date: 4/20/2010			RunNo: 134685		
Client ID: ZZZZZZ	Batch ID: 59892	SOP 3034				Analysis Date: 4/21/2010			SeqNo: 2587014		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.6	85	115				
Barium	1.99	0.0050	2.000	0	99.3	85	115				
Cadmium	0.0514	0.0020	0.05000	0	102.8	85	115				
Chromium	0.213	0.0100	0.2000	0	106.4	85	115				
Selenium	2.12	0.0500	2.000	0	105.8	85	115				
Silver	0.0545	0.0100	0.05000	0	109.0	85	115				

Sample ID: 10040776-001CMS	SampType: MS	Units: mg/L				Prep Date: 4/20/2010			RunNo: 134685		
Client ID: 29572-treated-4/20/1	Batch ID: 59892	SOP 3034				Analysis Date: 4/21/2010			SeqNo: 2587016		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	105.8	75	125				
Barium	2.05	0.0050	2.000	0.1470	95.2	75	125				
Cadmium	0.0495	0.0020	0.05000	0	99.0	75	125				
Chromium	0.206	0.0100	0.2000	0	103.0	75	125				
Selenium	2.08	0.0500	2.000	0	104.2	75	125				
Silver	0.0510	0.0100	0.05000	0	102.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_AQ_ICP_ST

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: 10040776-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/20/2010		RunNo: 134685			
Client ID: 29572-treated-4/20/1		Batch ID: 59892		SOP 3034		Analysis Date: 4/21/2010		SeqNo: 2587017			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	106.0	75	125	2.116	0.142	20	
Barium	2.07	0.0050	2.000	0.1470	96.0	75	125	2.052	0.680	20	
Cadmium	0.0496	0.0020	0.05000	0	99.2	75	125	0.04950	0.202	20	
Chromium	0.212	0.0100	0.2000	0	106.2	75	125	0.2059	3.06	20	
Selenium	2.12	0.0500	2.000	0	106.2	75	125	2.084	1.85	20	
Silver	0.0513	0.0100	0.05000	0	102.6	75	125	0.05100	0.587	20	

Sample ID: MB-59892		SampType: MBLK		Units: mg/L		Prep Date: 4/20/2010		RunNo: 134747			
Client ID: ZZZZZZ		Batch ID: 59892		SOP 3034		Analysis Date: 4/22/2010		SeqNo: 2588814			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-59892		SampType: LCS		Units: mg/L		Prep Date: 4/20/2010		RunNo: 134747			
Client ID: ZZZZZZ		Batch ID: 59892		SOP 3034		Analysis Date: 4/22/2010		SeqNo: 2588815			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.205	0.0100	0.2000	0	102.7	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: M_HG_AQ_S

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: MB-59911		SampType: MBLK		Units: mg/L		Prep Date: 4/21/2010		RunNo: 134707			
Client ID: ZZZZZZ		Batch ID: 59911		SOP 3062		Analysis Date: 4/21/2010		SeqNo: 2587042			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-59911		SampType: LCS		Units: mg/L		Prep Date: 4/21/2010		RunNo: 134707			
Client ID: ZZZZZZ		Batch ID: 59911		SOP 3062		Analysis Date: 4/21/2010		SeqNo: 2587043			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00521	0.00020	0.005000	0	104.2	85	115				

Sample ID: 10040776-001CMS		SampType: MS		Units: mg/L		Prep Date: 4/21/2010		RunNo: 134707			
Client ID: 29572-treated-4/20/1		Batch ID: 59911		SOP 3062		Analysis Date: 4/21/2010		SeqNo: 2587045			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00471	0.00020	0.005000	0	94.2	75	125				

Sample ID: 10040776-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 4/21/2010			RunNo: 134707		
Client ID: 29572-treated-4/20/1		Batch ID: 59911		SOP 3062		Analysis Date: 4/21/2010			SeqNo: 2587046		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00462	0.00020	0.005000	0	92.4	75	125	0.004710	1.93	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: MB-59904	SampType: MBLK	Units: mg/L			Prep Date: 4/20/2010			RunNo: 134684			
Client ID: ZZZZZZ	Batch ID: 59904	SW3510C			Analysis Date: 4/21/2010			SeqNo: 2586353			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0134		0.02500		53.4	41.9	97.9				
Surr: 2-Fluorophenol	0.0188		0.05000		37.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.0151		0.02500		60.3	39.9	106				
Surr: Phenol-d5	0.0121		0.05000		24.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0173		0.02500		69.0	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCS-59904		SampType: LCS		Units: mg/L		Prep Date: 4/20/2010		RunNo: 134684			
Client ID: ZZZZZZ		Batch ID: 59904		SW3510C		Analysis Date: 4/21/2010		SeqNo: 2586354			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00333	0.00010	0.005000	0	66.5	50.1	103				
Acenaphthylene	0.00317	0.00010	0.005000	0	63.4	53.3	122				
Anthracene	0.00348	0.00010	0.005000	0	69.7	57.4	110				
Benzo(a)anthracene	0.00303	0.00010	0.005000	0	60.6	56	102				
Benzo(a)pyrene	0.00360	0.00010	0.005000	0	72.1	55.4	125				
Benzo(b)fluoranthene	0.00357	0.00010	0.005000	0	71.5	59.3	127				
Benzo(g,h,i)perylene	0.00338	0.00010	0.005000	0	67.7	58.4	125				
Benzo(k)fluoranthene	0.00354	0.00010	0.005000	0	70.8	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00433	0.00200	0.005000	0	86.6	63.2	152				
Chrysene	0.00361	0.00010	0.005000	0	72.2	58.7	118				
Dibenzo(a,h)anthracene	0.00353	0.00010	0.005000	0	70.6	59.3	126				
Diethyl phthalate	0.00383	0.00100	0.005000	0	76.6	55.3	133				
Dimethyl phthalate	0.00423	0.00100	0.005000	0	84.6	55.7	112				
Di-n-butyl phthalate	0.00382	0.00100	0.005000	0	76.5	61.5	130				
Fluoranthene	0.00356	0.00010	0.005000	0	71.2	60.1	117				
Fluorene	0.00330	0.00010	0.005000	0	66.1	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00356	0.00010	0.005000	0	71.3	58.1	123				
m,p-Cresol	0.00284	0.00010	0.005000	0	56.8	17.9	107				
Naphthalene	0.00301	0.00010	0.005000	0	60.2	36.3	97.1				
o-Cresol	0.00310	0.00010	0.005000	0	61.9	20.5	109				
Phenanthrene	0.00336	0.00010	0.005000	0	67.3	55.9	107				
Pyrene	0.00360	0.00010	0.005000	0	72.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.0164		0.02500		65.6	41.9	97.9				
Surr: 2-Fluorophenol	0.0215		0.05000		43.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.0166		0.02500		66.3	39.9	106				
Surr: Phenol-d5	0.0139		0.05000		27.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.0181		0.02500		72.3	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCSD-59904		SampType: LCSD		Units: mg/L		Prep Date: 4/20/2010		RunNo: 134684			
Client ID: ZZZZZZ		Batch ID: 59904		SW3510C		Analysis Date: 4/21/2010		SeqNo: 2586822			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00314	0.00010	0.005000	0	62.9	50.1	103	0.003326	5.66	50	
Acenaphthylene	0.00309	0.00010	0.005000	0	61.8	53.3	122	0.003170	2.59	50	
Anthracene	0.00350	0.00010	0.005000	0	70.1	57.4	110	0.003484	0.544	50	
Benzo(a)anthracene	0.00307	0.00010	0.005000	0	61.4	56	102	0.003032	1.21	50	
Benzo(a)pyrene	0.00369	0.00010	0.005000	0	73.7	55.4	125	0.003605	2.22	50	
Benzo(b)fluoranthene	0.00367	0.00010	0.005000	0	73.5	59.3	127	0.003573	2.76	50	
Benzo(g,h,i)perylene	0.00345	0.00010	0.005000	0	68.9	58.4	125	0.003385	1.79	50	
Benzo(k)fluoranthene	0.00373	0.00010	0.005000	0	74.6	61.5	125	0.003538	5.34	50	
Bis(2-ethylhexyl)phthalate	0.00391	0.00200	0.005000	0	78.1	63.2	152	0.004329	10.3	50	
Chrysene	0.00352	0.00010	0.005000	0	70.5	58.7	118	0.003609	2.35	50	
Dibenzo(a,h)anthracene	0.00354	0.00010	0.005000	0	70.8	59.3	126	0.003528	0.368	50	
Diethyl phthalate	0.00377	0.00100	0.005000	0	75.4	55.3	133	0.003830	1.58	40	
Dimethyl phthalate	0.00410	0.00100	0.005000	0	82.0	55.7	112	0.004230	3.10	40	
Di-n-butyl phthalate	0.00382	0.00100	0.005000	0	76.4	61.5	130	0.003825	0.157	50	
Fluoranthene	0.00362	0.00010	0.005000	0	72.3	60.1	117	0.003562	1.48	50	
Fluorene	0.00314	0.00010	0.005000	0	62.8	54.1	110	0.003303	5.03	50	
Indeno(1,2,3-cd)pyrene	0.00358	0.00010	0.005000	0	71.6	58.1	123	0.003564	0.476	50	
m,p-Cresol	0.00286	0.00010	0.005000	0	57.2	17.9	107	0.002840	0.632	50	
Naphthalene	0.00284	0.00010	0.005000	0	56.8	36.3	97.1	0.003011	5.81	50	
o-Cresol	0.00309	0.00010	0.005000	0	61.8	20.5	109	0.003095	0.0970	50	
Phenanthrene	0.00333	0.00010	0.005000	0	66.6	55.9	107	0.003364	1.02	50	
Pyrene	0.00374	0.00010	0.005000	0	74.8	61.4	116	0.003604	3.70	50	
Surr: 2-Fluorobiphenyl	0.0150		0.02500		60.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0208		0.05000		41.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0164		0.02500		65.6	39.9	106		0	50	
Surr: Phenol-d5	0.0138		0.05000		27.6	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0179		0.02500		71.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_BTEX_W

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: LCS-R100420-2		SampType: LCS			Units: µg/L		Prep Date: 4/21/2010		RunNo: 134729		
Client ID: ZZZZZZ		Batch ID: 59942			SW5030		Analysis Date: 4/21/2010		SeqNo: 2587798		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.0	2.0	50.00	0	102.0	82.7	117				
Toluene	50.0	5.0	50.00	0	100.1	79.6	116				
Ethylbenzene	50.0	5.0	50.00	0	100.1	83	113				
Xylenes, Total	155	5.0	150.0	0	103.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104.4	74.7	129				
Surr: 4-Bromofluorobenzene	48.2		50.00		96.4	86	119				
Surr: Dibromofluoromethane	49.7		50.00		99.3	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.2	84.3	114				

Sample ID: LCSD-R100420-2		SampType: LCSD		Units: µg/L		Prep Date: 4/21/2010			RunNo: 134729		
Client ID: ZZZZZZ		Batch ID: 59942		SW5030		Analysis Date: 4/21/2010			SeqNo: 2587799		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.1	2.0	50.00	0	98.2	82.7	117	51.01	3.86	20	
Toluene	48.9	5.0	50.00	0	97.8	79.6	116	50.04	2.35	20	
Ethylbenzene	49.1	5.0	50.00	0	98.2	83	113	50.05	1.90	20	
Xylenes, Total	151	5.0	150.0	0	100.5	80.3	120	154.8	2.59	0	
Surr: 1,2-Dichloroethane-d4	51.4		50.00		102.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	47.6		50.00		95.1	86	119		0	0	
Surr: Dibromofluoromethane	51.0		50.00		102.1	81.7	123		0	0	
Surr: Toluene-d8	50.2		50.00		100.4	84.3	114		0	0	

Sample ID: MBLK-R100420-2		SampType: MBLK		Units: µg/L		Prep Date: 4/21/2010			RunNo: 134729		
Client ID: ZZZZZZ		Batch ID: 59942		SW5030		Analysis Date: 4/21/2010			SeqNo: 2587800		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

TestCode: V_BTEX_W

Lab Order: 10040776

Report Date: 26-Apr-10

Sample ID: MBLK-R100420-2	SampType: MBLK	Units: µg/L			Prep Date: 4/21/2010			RunNo: 134729			
Client ID: ZZZZZZ	Batch ID: 59942	SW5030			Analysis Date: 4/21/2010			SeqNo: 2587800			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	45.7		50.00		91.4	74.7	129				
Surr: 4-Bromofluorobenzene	52.6		50.00		105.3	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.6	81.7	123				
Surr: Toluene-d8	50.4		50.00		100.7	84.3	114				

Sample ID: 10040776-001EMS	SampType: MS	Units: µg/L				Prep Date: 4/21/2010			RunNo: 134729		
Client ID: 29572-treated-4/20/1	Batch ID: 59942	SW5030				Analysis Date: 4/21/2010			SeqNo: 2587806		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	64.9	2.0	62.00	0.7300	103.6	57.8	125				
Toluene	70.4	5.0	62.00	0	113.5	75.8	123				
Ethylbenzene	73.0	5.0	62.00	0	117.8	72.8	123				
Xylenes, Total	150	5.0	124.0	0	121.0	73	127				
Surr: 1,2-Dichloroethane-d4	47.0		50.00		94.1	74.7	129				
Surr: 4-Bromofluorobenzene	55.8		50.00		111.5	86	119				
Surr: Dibromofluoromethane	48.8		50.00		97.6	81.7	123				
Surr: Toluene-d8	49.7		50.00		99.3	84.3	114				

Sample ID: 10040776-001EMSD	SampType: MSD	Units: µg/L			Prep Date: 4/21/2010			RunNo: 134729			
Client ID: 29572-treated-4/20/1	Batch ID: 59942	SW5030			Analysis Date: 4/21/2010			SeqNo: 2587807			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	64.8	2.0	62.00	0.7300	103.3	57.8	125	64.94	0.293	20	
Toluene	71.1	5.0	62.00	0	114.6	75.8	123	70.39	0.961	20	
Ethylbenzene	72.5	5.0	62.00	0	116.9	72.8	123	73.02	0.742	20	
Xylenes, Total	153	5.0	124.0	0	123.1	73	127	150.0	1.78	20	
Surr: 1,2-Dichloroethane-d4	46.7		50.00		93.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	54.7		50.00		109.3	86	119		0	0	
Surr: Dibromofluoromethane	48.4		50.00		96.9	81.7	123		0	0	
Surr: Toluene-d8	49.4		50.00		98.8	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10040776

Report Date: 26-Apr-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

20-Apr-10

Elizabeth A. Hurley

Elizabeth A. Hurley

Reviewed by:

On:

20-Apr-10

Shelly A. Hennessy

Shelly A. Hennessy

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 8.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

Project Name: <u>Ameyan Champion Project Mgr.: Ate Inzuma</u>	
Project Number: <u>624-0908-Dhu Cost Code: J0002</u>	
Sampler(s): <u>J. Compton</u>	Matrix
Laboratory	Name: <u>TE Kleb</u>
	Location: <u>Collinsville</u>
Sample Number and (depth)	Time
29572 - treated - 4/20/10	4/20/10 0930
	Soil
	Water
	Air
	Wipes
	Other *

[illegible]

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid	
☒ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify) _____		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: Pete Salama and Leslie Hoover

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Signature	Date
			4/20/10		4/20/10
			4/20/10		4/20/10

April 22, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: Champaign MGP 624-0908-0120

WorkOrder: 10040835

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 4/21/2010 6:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Shelly A. Hennessy". The signature is written in a cursive, flowing style.

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: Champaign MGP 624-0908-0120
Lab Order: 10040835
Report Date: 22-Apr-10

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10040835-001	2154-treated-4/20/10	2	4/20/2010 2:40:00 PM
10040835-002	4047-treated-4/21/10	2	4/21/2010 8:25:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Champaign MGP 624-0908-0120

LabOrder: 10040835

Report Date: 22-Apr-10

CASE NARRATIVE

Cooler Receipt Temp: 2.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10040835**Lab ID:** 10040835-001**Report Date:** 22-Apr-10**Client Project:** Champaign MGP 624-0908-0120**Client Sample ID:** 2154-treated-4/20/10**Collection Date:** 4/20/2010 2:40:00 PM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05	S	< 0.05	mg/L	1	4/22/2010 11:50:00 AM	NJM
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		Interference	mg/L	20	4/22/2010 11:26:02 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140		0.832	mg/L	20	4/22/2010 11:26:02 AM	RCE

Sample Narrative

Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed

Matrix spike did not recover within control limits because of matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10040835**Lab ID:** 10040835-002**Report Date:** 22-Apr-10**Client Project:** Champaign MGP 624-0908-0120**Client Sample ID:** 4047-treated-4/21/10**Collection Date:** 4/21/2010 8:25:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		0.17	mg/L	1	4/22/2010 11:50:00 AM	NJM
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		Interference	mg/L	20	4/22/2010 11:26:02 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	1.40	mg/L	20	4/22/2010 11:26:02 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: Champaign MGP 624-0908-0120
Lab Order: 10040835
Report Date: 22-Apr-10

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10040835-001A	2154-treated-4/20/10	4/20/2010	Aqueous	Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/22/2010 11:50:00 AM
10040835-001B				SW-846 9012A		4/22/2010 11:26:02 AM
				SW-846 9012A (Total)		4/22/2010 11:26:02 AM
10040835-002A	4047-treated-4/21/10	4/21/2010		Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/22/2010 11:50:00 AM
10040835-002B				SW-846 9012A		4/22/2010 11:26:02 AM
				SW-846 9012A (Total)		4/22/2010 11:26:02 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Champaign MGP 624-0908-0120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10040835

Report Date: 22-Apr-10

Sample ID: 10040835-002BMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 134796			
Client ID: 4047-treated-4/21/10	Batch ID: R134796				Analysis Date: 4/22/2010			SeqNo: 2590275			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.37	0.140	1.000	1.404	-3.6	75	125				S
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Sample ID: 10040835-002BMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 134796			
Client ID: 4047-treated-4/21/10	Batch ID: R134796				Analysis Date: 4/22/2010			SeqNo: 2590276			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.45	0.140	1.000	1.404	4.6	75	125	1.368	5.82	15	S
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Sample ID: MB-R134796	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134796			
Client ID: ZZZZZZ	Batch ID: R134796				Analysis Date: 4/22/2010			SeqNo: 2590340			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134796	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134796			
Client ID: ZZZZZZ	Batch ID: R134796				Analysis Date: 4/22/2010			SeqNo: 2590341			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.093	0.007	0.1000	0	92.6	85	115				
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Client: PSC Industrial Outsourcing, LP

Project: Champaign MGP 624-0908-0120

Lab Order: 10040835

Report Date: 22-Apr-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_CL2R_M_AT_NF

Sample ID: MB-R134775	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 134775			
Client ID: ZZZZZZ	Batch ID: R134775				Analysis Date: 4/22/2010			SeqNo: 2589591			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	< 0.05	0.05									
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Sample ID: LCS-R134775	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 134775			
Client ID: ZZZZZZ	Batch ID: R134775				Analysis Date: 4/22/2010			SeqNo: 2589592			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	3.98	0.50	4.400	0	90.5	79.7	114.1				
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Sample ID: 10040835-001AMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 134775			
Client ID: 2154-treated-4/20/10	Batch ID: R134775				Analysis Date: 4/22/2010			SeqNo: 2589594			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	0.76	0.05	1.322	0	57.3	80	120				S
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Sample ID: 10040835-001AMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 134775			
Client ID: 2154-treated-4/20/10	Batch ID: R134775				Analysis Date: 4/22/2010			SeqNo: 2589595			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	0.70	0.05	1.322	0	53.3	80	120	0.7570	7.26	10	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Champaign MGP 624-0908-0120

Lab Order: 10040835

Report Date: 22-Apr-10

RECEIVING CHECK LIST

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

21-Apr-10

Dawn Brantley

Reviewed by:

On:

22-Apr-10

Shelly A. Hennessy

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 2.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

May 03, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10041027

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 4/26/2010 5:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10041027

Report Date: 03-May-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10041027-001	2169-treated-4/26/10	6	4/26/2010 12:45:00 PM
10041027-002	2156-treated-4/26/10	6	4/26/2010 1:10:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10041027

Report Date: 03-May-10

Cooler Receipt Temp: 6.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10041027

Lab ID: 10041027-001

Report Date: 03-May-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-4/26/10

Collection Date: 4/26/2010 12:45:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.92		1	4/27/2010 2:44:00 PM	MVS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	4/26/2010 7:20:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		< 0.05	mg/L	1	4/27/2010 2:15:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	4/26/2010 5:50:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/27/2010 12:41:07 PM	LAL
Barium	NELAP	0.0050		0.196	mg/L	1	4/27/2010 12:41:07 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/27/2010 12:41:07 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/27/2010 12:41:07 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/27/2010 12:41:07 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/27/2010 12:41:07 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	4/27/2010 3:46:36 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00014	mg/L	1	4/27/2010 10:24:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		0.00012	mg/L	1	4/27/2010 10:24:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0014	mg/L	1	4/27/2010 10:24:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00011	mg/L	1	4/27/2010 10:24:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00010	mg/L	1	4/27/2010 10:24:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:24:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10041027

Lab ID: 10041027-001

Report Date: 03-May-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-4/26/10

Collection Date: 4/26/2010 12:45:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		0.00020	mg/L	1	4/27/2010 10:24:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00057	mg/L	1	4/27/2010 10:24:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		70.5	%REC	1	4/27/2010 10:24:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.3	%REC	1	4/27/2010 10:24:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		77.4	%REC	1	4/27/2010 10:24:00 AM	MAV
Surr: Phenol-d5		11-42.8		23.7	%REC	1	4/27/2010 10:24:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		69.2	%REC	1	4/27/2010 10:24:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	1.1	µg/L	1	4/26/2010 7:48:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/26/2010 7:48:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	4/26/2010 7:48:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	4/26/2010 7:48:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.1	%REC	1	4/26/2010 7:48:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		103.0	%REC	1	4/26/2010 7:48:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		103.4	%REC	1	4/26/2010 7:48:00 PM	TAL
Surr: Toluene-d8		84.3-114		97.5	%REC	1	4/26/2010 7:48:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	4/27/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200	J	0.13	mg/L	20	4/27/2010 12:43:28 PM	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140		0.540	mg/L	20	4/27/2010 12:43:28 PM	MVS

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10041027

Lab ID: 10041027-002

Report Date: 03-May-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2156-treated-4/26/10

Collection Date: 4/26/2010 1:10:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.85		1	4/27/2010 2:44:00 PM	MVS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	4/26/2010 7:20:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 4500-CL G, LABORATORY ANALYZED</u>								
Lab Chlorine, Total Residual	NELAP	0.05		< 0.05	mg/L	1	4/27/2010 2:15:00 PM	NJM
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	4/26/2010 5:50:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	4/27/2010 12:47:45 PM	LAL
Barium	NELAP	0.0050		0.229	mg/L	1	4/27/2010 12:47:45 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	4/27/2010 12:47:45 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	4/27/2010 12:47:45 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	4/27/2010 12:47:45 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	4/27/2010 12:47:45 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	4/27/2010 3:56:46 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Acenaphthylene	NELAP	0.00010		0.00016	mg/L	1	4/27/2010 10:59:00 AM	MAV
Anthracene	NELAP	0.00010		0.00013	mg/L	1	4/27/2010 10:59:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00028	mg/L	1	4/27/2010 10:59:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		0.00023	mg/L	1	4/27/2010 10:59:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		0.00017	mg/L	1	4/27/2010 10:59:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010	J	0.00009	mg/L	1	4/27/2010 10:59:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Chrysene	NELAP	0.00010		0.00021	mg/L	1	4/27/2010 10:59:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00028	mg/L	1	4/27/2010 10:59:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00017	mg/L	1	4/27/2010 10:59:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	4/27/2010 10:59:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10041027

Lab ID: 10041027-002

Report Date: 03-May-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2156-treated-4/26/10

Collection Date: 4/26/2010 1:10:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Pyrene	NELAP	0.00010		0.00044	mg/L	1	4/27/2010 10:59:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00199	mg/L	1	4/27/2010 10:59:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		75.0	%REC	1	4/27/2010 10:59:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		43.8	%REC	1	4/27/2010 10:59:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		83.6	%REC	1	4/27/2010 10:59:00 AM	MAV
Surr: Phenol-d5		11-42.8		26.9	%REC	1	4/27/2010 10:59:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		85.2	%REC	1	4/27/2010 10:59:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	2.0	µg/L	1	4/26/2010 8:20:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	4/26/2010 8:20:00 PM	TAL
Toluene	NELAP	5.0	J	1.5	µg/L	1	4/26/2010 8:20:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	4/26/2010 8:20:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.6	%REC	1	4/26/2010 8:20:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		106.0	%REC	1	4/26/2010 8:20:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		103.1	%REC	1	4/26/2010 8:20:00 PM	TAL
Surr: Toluene-d8		84.3-114		96.5	%REC	1	4/26/2010 8:20:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	4/27/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.200		0.260	mg/L	20	4/27/2010 12:43:28 PM	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	0.696	mg/L	20	4/27/2010 12:43:28 PM	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: A831-735002-012901-225/Ameren Champaign 6249080120
Lab Order: 10041027
Report Date: 03-May-10

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10041027-001A	2169-treated-4/26/10	4/26/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/27/2010 9:45:09 AM	4/27/2010 10:24:00 AM
10041027-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/27/2010 2:44:00 PM
				Standard Methods 18th Ed. 2540 D		4/26/2010 7:20:00 PM
				Standard Methods 18th Ed. 5210 B	4/26/2010 5:50:00 PM	4/26/2010 5:50:00 PM
10041027-001C				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/27/2010 2:15:00 PM
10041027-001D				SW-846 3005A, 6010B, Metals by ICP (Total)	4/27/2010 8:41:34 AM	4/27/2010 12:41:07 PM
				SW-846 3020A, Metals by GFAA (Total)	4/27/2010 8:41:29 AM	4/27/2010 3:46:36 PM
				SW-846 7470A (Total)	4/27/2010 6:13:47 AM	4/27/2010
10041027-001E				SW-846 9012A		4/27/2010 12:43:28 PM
				SW-846 9012A (Total)		4/27/2010 12:43:28 PM
10041027-001F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/26/2010 7:48:00 PM
10041027-002A	2156-treated-4/26/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/27/2010 9:45:09 AM	4/27/2010 10:59:00 AM
10041027-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		4/27/2010 2:44:00 PM
				Standard Methods 18th Ed. 2540 D		4/26/2010 7:20:00 PM
				Standard Methods 18th Ed. 5210 B	4/26/2010 5:50:00 PM	4/26/2010 5:50:00 PM
10041027-002C				Standard Methods 18th Ed. 4500-Cl G, Laboratory Analyzed		4/27/2010 2:15:00 PM
10041027-002D				SW-846 3005A, 6010B, Metals by ICP (Total)	4/27/2010 8:41:34 AM	4/27/2010 12:47:45 PM
				SW-846 3020A, Metals by GFAA (Total)	4/27/2010 8:41:29 AM	4/27/2010 3:56:46 PM
				SW-846 7470A (Total)	4/27/2010 6:13:47 AM	4/27/2010
10041027-002E				SW-846 9012A		4/27/2010 12:43:28 PM
				SW-846 9012A (Total)		4/27/2010 12:43:28 PM
10041027-002F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		4/26/2010 8:20:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10041027

Report Date: 03-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R134898		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 134898		
Client ID: ZZZZZZ		Batch ID: R134898					Analysis Date: 4/26/2010			SeqNo: 2594016	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R134898		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134898		
Client ID: ZZZZZZ		Batch ID: R134898			Analysis Date: 4/26/2010			SeqNo: 2594017				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	90	6	100.0	0	90.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 134898		
Client ID: ZZZZZZ		Batch ID: R134898			Analysis Date: 4/26/2010			SeqNo: 2594035				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	86	6	100.0	0	86.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 134898		
Client ID: ZZZZZZ		Batch ID: R134898			Analysis Date: 4/26/2010			SeqNo: 2594926				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 134898			
Client ID: ZZZZZZ	Batch ID: R134898				Analysis Date: 4/26/2010			SeqNo: 2594946			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	86	6	100.0	0	86.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: 10041027-001BDUP		SampType: DUP		Units: mg/L		Prep Date:		RunNo: 134898			
Client ID: 2169-treated-4/26/10		Batch ID: R134898				Analysis Date: 4/26/2010		SeqNo: 2594948			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Sample ID: LCSQC		SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 134898			
Client ID: ZZZZZZ		Batch ID: R134898				Analysis Date: 4/26/2010		SeqNo: 2594950			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	85	6	100.0	0	85.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-CL G R

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-R134957		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134957		
Client ID: ZZZZZZ		Batch ID: R134957			Analysis Date: 4/27/2010			SeqNo: 2596419				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	< 0.05	0.05
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Sample ID: LCS-R134957		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134957		
Client ID: ZZZZZZ		Batch ID: R134957			Analysis Date: 4/27/2010			SeqNo: 2596420				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab Chlorine, Total Residual	4.00	0.50	4.400	0	90.9	79.7	114.1
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Sample ID: 10041027-001CMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 134957		
Client ID: 2169-treated-4/26/10		Batch ID: R134957					Analysis Date: 4/27/2010			SeqNo: 2596423	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	1.36	0.05	1.322	0	103.0	80	120
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Sample ID: 10041027-001CMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 134957		
Client ID: 2169-treated-4/26/10		Batch ID: R134957					Analysis Date: 4/27/2010			SeqNo: 2596424	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab Chlorine, Total Residual	1.34	0.05	1.322	0	101.7	80	120	1.362	1.26	10
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCS-R134953		SampType: LCS			Units:		Prep Date:			RunNo: 134953		
Client ID: ZZZZZZ		Batch ID: R134953			Analysis Date: 4/27/2010			SeqNo: 2596291				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10041027-002BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 134953			
Client ID: 2156-treated-4/26/10		Batch ID: R134953				Analysis Date: 4/27/2010		SeqNo: 2596385			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.86	1.00						7.850	0.127	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCS-60066	SampType: LCS	Units: mg/L				Prep Date: 4/26/2010			RunNo: 135150		
Client ID: ZZZZZZ	Batch ID: 60066	SOP 2030				Analysis Date: 4/26/2010			SeqNo: 2602332		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	194	5	198.0	0	98.0	84.6	115.4				

Sample ID: LCSQC-60066	SampType: LCSQC	Units: mg/L				Prep Date: 4/26/2010			RunNo: 135150		
Client ID: ZZZZZZ	Batch ID: 60066	SOP 2030				Analysis Date: 4/26/2010			SeqNo: 2602333		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	89	5	93.60	0	95.1	70.6	127.7				

Sample ID: 10041027-002B-DUP	SampType: DUP	Units: mg/L				Prep Date: 4/26/2010			RunNo: 135150		
Client ID: 2156-treated-4/26/10	Batch ID: 60066	SOP 2030				Analysis Date: 4/26/2010			SeqNo: 2602355		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-60070	SampType: MBLK	Units: mg/L			Prep Date: 4/27/2010			RunNo: 134911			
Client ID: ZZZZZZ	Batch ID: 60070	SOP 3034			Analysis Date: 4/27/2010			SeqNo: 2596037			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-60070	SampType: LCS	Units: mg/L				Prep Date: 4/27/2010			RunNo: 134911		
Client ID: ZZZZZZ	Batch ID: 60070	SOP 3034				Analysis Date: 4/27/2010			SeqNo: 2596038		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.16	0.0250	2.000	0	108.2	85	115				
Barium	2.04	0.0050	2.000	0	102.1	85	115				
Cadmium	0.0526	0.0020	0.05000	0	105.2	85	115				
Chromium	0.215	0.0100	0.2000	0	107.6	85	115				
Selenium	2.13	0.0500	2.000	0	106.6	85	115				
Silver	0.0518	0.0100	0.05000	0	103.6	85	115				

Sample ID: 10041027-002DMS	SampType: MS	Units: mg/L				Prep Date: 4/27/2010			RunNo: 134911		
Client ID: 2156-treated-4/26/10	Batch ID: 60070	SOP 3034				Analysis Date: 4/27/2010			SeqNo: 2596041		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	75	125				
Barium	2.15	0.0050	2.000	0.2293	96.2	75	125				
Cadmium	0.0499	0.0020	0.05000	0	99.8	75	125				
Chromium	0.209	0.0100	0.2000	0	104.6	75	125				
Selenium	2.14	0.0500	2.000	0	107.1	75	125				
Silver	0.0537	0.0100	0.05000	0	107.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: 10041027-002DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/27/2010		RunNo: 134911			
Client ID: 2156-treated-4/26/10		Batch ID: 60070		SOP 3034		Analysis Date: 4/27/2010		SeqNo: 2596042			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.4	75	125	2.173	0.276	20	
Barium	2.16	0.0050	2.000	0.2293	96.8	75	125	2.153	0.556	20	
Cadmium	0.0502	0.0020	0.05000	0	100.4	75	125	0.04990	0.599	20	
Chromium	0.217	0.0100	0.2000	0	108.4	75	125	0.2091	3.57	20	
Selenium	2.18	0.0500	2.000	0	108.9	75	125	2.142	1.67	20	
Silver	0.0546	0.0100	0.05000	0	109.2	75	125	0.05370	1.66	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-60069		SampType: MBLK		Units: mg/L		Prep Date: 4/27/2010			RunNo: 134964		
Client ID: ZZZZZZ		Batch ID: 60069		SOP 3044		Analysis Date: 4/27/2010			SeqNo: 2596544		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: 10041027-001DMS		SampType: MS		Units: mg/L		Prep Date: 4/27/2010			RunNo: 134964		
Client ID: 2169-treated-4/26/10		Batch ID: 60069		SOP 3044		Analysis Date: 4/27/2010			SeqNo: 2596547		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0114	0.0020	0.01500	0	76.3	70	130			
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Sample ID: 10041027-001DMSD		SampType: MSD		Units: mg/L		Prep Date: 4/27/2010			RunNo: 134964		
Client ID: 2169-treated-4/26/10		Batch ID: 60069		SOP 3044		Analysis Date: 4/27/2010			SeqNo: 2596548		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0106	0.0020	0.01500	0	70.9	70	130	0.01144	7.29	20
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Sample ID: LCS-60069		SampType: LCS		Units: mg/L		Prep Date: 4/27/2010			RunNo: 134964		
Client ID: ZZZZZZ		Batch ID: 60069		SOP 3044		Analysis Date: 4/27/2010			SeqNo: 2596550		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0121	0.0020	0.01500	0	80.8	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-60061		SampType: MBLK		Units: mg/L		Prep Date: 4/26/2010			RunNo: 134946		
Client ID: ZZZZZZ		Batch ID: 60061		SOP 3062		Analysis Date: 4/27/2010			SeqNo: 2595906		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-60061		SampType: LCS			Units: mg/L		Prep Date: 4/26/2010			RunNo: 134946		
Client ID: ZZZZZZ		Batch ID: 60061			SOP 3062		Analysis Date: 4/27/2010			SeqNo: 2595907		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00465	0.00020	0.005000	0	93.0	85	115				
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Sample ID: 10041027-002DMS		SampType: MS		Units: mg/L		Prep Date: 4/27/2010			RunNo: 134946		
Client ID: 2156-treated-4/26/10		Batch ID: 60061		SOP 3062		Analysis Date: 4/27/2010			SeqNo: 2595941		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00465	0.00020	0.005000	0	93.0	75	125				
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Sample ID: 10041027-002DMSD	SampType: MSD	Units: mg/L			Prep Date: 4/27/2010			RunNo: 134946			
Client ID: 2156-treated-4/26/10	Batch ID: 60061	SOP 3062			Analysis Date: 4/27/2010			SeqNo: 2595944			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00457	0.00020	0.005000	0	91.4	75	125	0.004650	1.74	15	
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Sample ID: MB-60061		SampType: MBLK		Units: mg/L		Prep Date: 4/26/2010		RunNo: 134946			
Client ID: ZZZZZZ		Batch ID: 60061		SOP 3062		Analysis Date: 4/27/2010		SeqNo: 2595908			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCS-60061		SampType: LCS		Units: mg/L		Prep Date: 4/26/2010		RunNo: 134946			
Client ID: ZZZZZZ		Batch ID: 60061		SOP 3062		Analysis Date: 4/27/2010		SeqNo: 2595909			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00465	0.00020	0.005000	0	93.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCS-T100426-1	SampType: LCS	Units: µg/L				Prep Date: 4/26/2010			RunNo: 134916		
Client ID: ZZZZZZ	Batch ID: 60075	SW5030				Analysis Date: 4/26/2010			SeqNo: 2594776		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.3	2.0	50.00	0	100.7	82.7	117				
Ethylbenzene	48.6	5.0	50.00	0	97.2	83	113				
Toluene	48.6	5.0	50.00	0	97.2	79.6	116				
Xylenes, Total	145	5.0	150.0	0	96.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.0		50.00		103.9	74.7	129				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.5	86	119				
Surr: Dibromofluoromethane	51.6		50.00		103.2	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: LCSD-T100426-1	SampType: LCSD	Units: µg/L				Prep Date: 4/26/2010			RunNo: 134916		
Client ID: ZZZZZZ	Batch ID: 60075	SW5030				Analysis Date: 4/26/2010			SeqNo: 2594777		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.8	2.0	50.00	0	97.5	82.7	117	50.33	3.17	20	
Ethylbenzene	46.3	5.0	50.00	0	92.6	83	113	48.61	4.85	20	
Toluene	46.5	5.0	50.00	0	93.0	79.6	116	48.59	4.37	20	
Xylenes, Total	139	5.0	150.0	0	92.9	80.3	120	144.8	3.87	20	
Surr: 1,2-Dichloroethane-d4	51.8		50.00		103.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.4		50.00		98.8	86	119		0	0	
Surr: Dibromofluoromethane	52.1		50.00		104.2	81.7	123		0	0	
Surr: Toluene-d8	48.6		50.00		97.2	84.3	114		0	0	

Sample ID: MBLK-T100426-1	SampType: MBLK	Units: µg/L				Prep Date: 4/26/2010			RunNo: 134916		
Client ID: ZZZZZZ	Batch ID: 60075	SW5030				Analysis Date: 4/26/2010			SeqNo: 2594778		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MBLK-T100426-1	SampType: MBLK	Units: µg/L			Prep Date: 4/26/2010			RunNo: 134916			
Client ID: ZZZZZZ	Batch ID: 60075	SW5030			Analysis Date: 4/26/2010			SeqNo: 2594778			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.6	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.5	86	119				
Surr: Dibromofluoromethane	51.7		50.00		103.4	81.7	123				
Surr: Toluene-d8	48.0		50.00		95.9	84.3	114				

Sample ID: 10041027-002FMS	SampType: MS	Units: µg/L				Prep Date: 4/26/2010				RunNo: 134916		
Client ID: 2156-treated-4/26/10	Batch ID: 60075	SW5030				Analysis Date: 4/26/2010				SeqNo: 2594823		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	31.5	2.0	28.00	1.950	105.5	57.8	125				
Toluene	31.0	5.0	28.00	1.530	105.1	75.8	123				
Ethylbenzene	30.8	5.0	28.00	0	109.8	72.8	123				
Xylenes, Total	61.5	5.0	56.00	0	109.8	73	127				
Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.8	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.6	86	119				
Surr: Dibromofluoromethane	52.0		50.00		104.0	81.7	123				
Surr: Toluene-d8	48.6		50.00		97.1	84.3	114				

Sample ID: 10041027-002FMSD	SampType: MSD	Units: µg/L			Prep Date: 4/26/2010			RunNo: 134916			
Client ID: 2156-treated-4/26/10	Batch ID: 60075	SW5030			Analysis Date: 4/26/2010			SeqNo: 2594824			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	31.1	2.0	28.00	1.950	104.1	57.8	125	31.49	1.28	20	
Toluene	30.5	5.0	28.00	1.530	103.5	75.8	123	30.97	1.53	20	
Ethylbenzene	30.2	5.0	28.00	0	107.7	72.8	123	30.75	1.97	20	
Xylenes, Total	60.3	5.0	56.00	0	107.6	73	127	61.47	1.97	20	
Surr: 1,2-Dichloroethane-d4	52.1		50.00		104.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	53.1		50.00		106.3	86	119		0	0	
Surr: Dibromofluoromethane	51.4		50.00		102.9	81.7	123		0	0	
Surr: Toluene-d8	48.4		50.00		96.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-60063	SampType: MBLK	Units: mg/L			Prep Date: 4/26/2010			RunNo: 135009			
Client ID: ZZZZZZ	Batch ID: 60063	SW3510C			Analysis Date: 4/28/2010			SeqNo: 2598023			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0196		0.02500		78.4	41.9	97.9				
Surr: 2-Fluorophenol	0.0263		0.05000		52.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.0230		0.02500		92.2	39.9	106				
Surr: Phenol-d5	0.0164		0.05000		32.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.0214		0.02500		85.6	53	116				

Sample ID: LCS-60063	SampType: LCS	Units: mg/L			Prep Date: 4/26/2010			RunNo: 135009			
Client ID: ZZZZZZ	Batch ID: 60063	SW3510C			Analysis Date: 4/28/2010			SeqNo: 2598024			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00408	0.00010	0.005000	0	81.7	50.1	103				
Anthracene	0.00440	0.00010	0.005000	0	87.9	57.4	110				
Bis(2-ethylhexyl)phthalate	0.00457	0.00200	0.005000	0	91.5	63.2	152				
Diethyl phthalate	0.00413	0.00100	0.005000	0	82.6	55.3	133				
Dimethyl phthalate	0.00447	0.00100	0.005000	0	89.3	55.7	112				
Di-n-butyl phthalate	0.00456	0.00100	0.005000	0	91.1	61.5	130				
Fluoranthene	0.00489	0.00010	0.005000	0	97.7	60.1	117				
Fluorene	0.00439	0.00010	0.005000	0	87.9	54.1	110				
Naphthalene	0.00337	0.00010	0.005000	0	67.3	36.3	97.1				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCS-60063	SampType: LCS	Units: mg/L				Prep Date: 4/26/2010			RunNo: 135009		
Client ID: ZZZZZZ	Batch ID: 60063	SW3510C				Analysis Date: 4/28/2010			SeqNo: 2598024		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0.00434	0.00010	0.005000	0	86.8	55.9	107				
Pyrene	0.00478	0.00010	0.005000	0	95.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.0194		0.02500		77.7	41.9	97.9				
Surr: 2-Fluorophenol	0.0250		0.05000		49.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.0211		0.02500		84.4	39.9	106				
Surr: Phenol-d5	0.0150		0.05000		30.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.0219		0.02500		87.7	53	116				

Sample ID: LCSD-60063	SampType: LCSD	Units: mg/L				Prep Date: 4/26/2010			RunNo: 135009		
Client ID: ZZZZZZ	Batch ID: 60063	SW3510C				Analysis Date: 4/28/2010			SeqNo: 2598025		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00407	0.00010	0.005000	0	81.3	50.1	103	0.004085	0.491	40	
Anthracene	0.00397	0.00010	0.005000	0	79.3	57.4	110	0.004397	10.3	40	
Bis(2-ethylhexyl)phthalate	0.00441	0.00200	0.005000	0	88.2	63.2	152	0.004574	3.61	40	
Diethyl phthalate	0.00441	0.00100	0.005000	0	88.2	55.3	133	0.004131	6.56	0	
Dimethyl phthalate	0.00422	0.00100	0.005000	0	84.5	55.7	112	0.004467	5.62	0	
Di-n-butyl phthalate	0.00434	0.00100	0.005000	0	86.9	61.5	130	0.004557	4.81	40	
Fluoranthene	0.00459	0.00010	0.005000	0	91.8	60.1	117	0.004885	6.25	40	
Fluorene	0.00386	0.00010	0.005000	0	77.2	54.1	110	0.004394	12.9	40	
Naphthalene	0.00360	0.00010	0.005000	0	71.9	36.3	97.1	0.003366	6.58	40	
Phenanthrene	0.00413	0.00010	0.005000	0	82.6	55.9	107	0.004339	4.89	40	
Pyrene	0.00456	0.00010	0.005000	0	91.3	61.4	116	0.004777	4.56	40	
Surr: 2-Fluorobiphenyl	0.0190		0.02500		76.2	41.9	97.9		0	40	
Surr: 2-Fluorophenol	0.0239		0.05000		47.9	16.1	79.2		0	40	
Surr: Nitrobenzene-d5	0.0211		0.02500		84.4	39.9	106		0	40	
Surr: Phenol-d5	0.0139		0.05000		27.7	9.94	53.7		0	40	
Surr: p-Terphenyl-d14	0.0201		0.02500		80.5	53	116		0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-60063	SampType: MBLK	Units: mg/L			Prep Date: 4/26/2010			RunNo: 134889			
Client ID: ZZZZZZ	Batch ID: 60063	SW3510C			Analysis Date: 4/27/2010			SeqNo: 2594869			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0184		0.02500		73.6	41.9	97.9				
Surr: 2-Fluorophenol	0.0233		0.05000		46.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.0206		0.02500		82.4	39.9	106				
Surr: Phenol-d5	0.0145		0.05000		29.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.0217		0.02500		86.9	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCS-60063	SampType: LCS	Units: mg/L			Prep Date: 4/26/2010			RunNo: 134889			
Client ID: ZZZZZZ	Batch ID: 60063	SW3510C			Analysis Date: 4/27/2010			SeqNo: 2594870			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00337	0.00010	0.005000	0	67.4	50.1	103				
Acenaphthylene	0.00331	0.00010	0.005000	0	66.2	53.3	122				
Anthracene	0.00413	0.00010	0.005000	0	82.6	57.4	110				
Benzo(a)anthracene	0.00335	0.00010	0.005000	0	66.9	56	102				
Benzo(a)pyrene	0.00359	0.00010	0.005000	0	71.8	55.4	125				
Benzo(b)fluoranthene	0.00370	0.00010	0.005000	0	74.0	59.3	127				
Benzo(g,h,i)perylene	0.00397	0.00010	0.005000	0	79.4	58.4	125				
Benzo(k)fluoranthene	0.00367	0.00010	0.005000	0	73.4	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00376	0.00200	0.005000	0	75.2	63.2	152				
Chrysene	0.00362	0.00010	0.005000	0	72.3	58.7	118				
Dibenzo(a,h)anthracene	0.00389	0.00010	0.005000	0	77.7	59.3	126				
Diethyl phthalate	0.00389	0.00100	0.005000	0	77.8	55.3	133				
Dimethyl phthalate	0.00402	0.00100	0.005000	0	80.3	55.7	112				
Fluoranthene	0.00366	0.00010	0.005000	0	73.1	60.1	117				
Fluorene	0.00363	0.00010	0.005000	0	72.7	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00383	0.00010	0.005000	0	76.7	58.1	123				
m,p-Cresol	0.00275	0.00010	0.005000	0	55.0	17.9	107				
Naphthalene	0.00301	0.00010	0.005000	0	60.3	36.3	97.1				
o-Cresol	0.00288	0.00010	0.005000	0	57.6	20.5	109				
Phenanthrene	0.00373	0.00010	0.005000	0	74.5	55.9	107				
Pyrene	0.00366	0.00010	0.005000	0	73.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.0177		0.02500		70.6	41.9	97.9				
Surr: 2-Fluorophenol	0.0217		0.05000		43.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.0190		0.02500		76.0	39.9	106				
Surr: Phenol-d5	0.0132		0.05000		26.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.0209		0.02500		83.5	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: LCSD-60063		SampType: LCSD		Units: mg/L		Prep Date: 4/26/2010		RunNo: 134889			
Client ID: ZZZZZZ		Batch ID: 60063		SW3510C		Analysis Date: 4/27/2010		SeqNo: 2594871			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00352	0.00010	0.005000	0	70.5	50.1	103	0.003369	4.50	50	
Acenaphthylene	0.00348	0.00010	0.005000	0	69.6	53.3	122	0.003309	5.09	50	
Anthracene	0.00422	0.00010	0.005000	0	84.5	57.4	110	0.004131	2.20	50	
Benzo(a)anthracene	0.00346	0.00010	0.005000	0	69.1	56	102	0.003345	3.29	50	
Benzo(a)pyrene	0.00364	0.00010	0.005000	0	72.8	55.4	125	0.003590	1.36	50	
Benzo(b)fluoranthene	0.00361	0.00010	0.005000	0	72.1	59.3	127	0.003699	2.52	50	
Benzo(g,h,i)perylene	0.00396	0.00010	0.005000	0	79.2	58.4	125	0.003969	0.202	50	
Benzo(k)fluoranthene	0.00362	0.00010	0.005000	0	72.3	61.5	125	0.003671	1.51	50	
Bis(2-ethylhexyl)phthalate	0.00386	0.00200	0.005000	0	77.2	63.2	152	0.003758	2.70	50	
Chrysene	0.00371	0.00010	0.005000	0	74.3	58.7	118	0.003615	2.67	50	
Dibenzo(a,h)anthracene	0.00388	0.00010	0.005000	0	77.7	59.3	126	0.003886	0.0515	50	
Diethyl phthalate	0.00422	0.00100	0.005000	0	84.3	55.3	133	0.003892	7.97	40	
Dimethyl phthalate	0.00392	0.00100	0.005000	0	78.5	55.7	112	0.004016	2.34	40	
Fluoranthene	0.00367	0.00010	0.005000	0	73.5	60.1	117	0.003655	0.491	50	
Fluorene	0.00381	0.00010	0.005000	0	76.3	54.1	110	0.003634	4.81	50	
Indeno(1,2,3-cd)pyrene	0.00382	0.00010	0.005000	0	76.5	58.1	123	0.003834	0.235	50	
m,p-Cresol	0.00279	0.00010	0.005000	0	55.7	17.9	107	0.002748	1.37	50	
Naphthalene	0.00322	0.00010	0.005000	0	64.3	36.3	97.1	0.003013	6.55	50	
o-Cresol	0.00305	0.00010	0.005000	0	60.9	20.5	109	0.002880	5.64	50	
Phenanthrene	0.00368	0.00010	0.005000	0	73.5	55.9	107	0.003726	1.35	50	
Pyrene	0.00359	0.00010	0.005000	0	71.9	61.4	116	0.003662	1.90	50	
Surr: 2-Fluorobiphenyl	0.0174		0.02500		69.7	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0228		0.05000		45.6	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0194		0.02500		77.4	39.9	106		0	50	
Surr: Phenol-d5	0.0139		0.05000		27.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0199		0.02500		79.7	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10041027

Report Date: 03-May-10

Sample ID: MB-R134982		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 134982		
Client ID: ZZZZZZ		Batch ID: R134982			Analysis Date: 4/27/2010			SeqNo: 2597067				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R134982		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 134982		
Client ID: ZZZZZZ		Batch ID: R134982			Analysis Date: 4/27/2010			SeqNo: 2597068				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.087	0.007	0.1000	0	86.9	85	115				
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Sample ID: 10041027-002EMS	SampType: MS	Units: mg/L				Prep Date:				RunNo: 134982		
Client ID: 2156-treated-4/26/10	Batch ID: R134982					Analysis Date: 4/27/2010				SeqNo: 2597073		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.700	0.140	1.000	0.6961	0.4	75	125				S
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Sample ID: 10041027-002EMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 134982		
Client ID: 2156-treated-4/26/10		Batch ID: R134982					Analysis Date: 4/27/2010			SeqNo: 2597074	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.625	0.140	1.000	0.6961	-7.1	75	125	0.7001	11.3	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10041027

Report Date: 03-May-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

26-Apr-10

Dawn Brantley

Reviewed by:

On:

27-Apr-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 6.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 09614**

Project Name: Ameren Champion Project Mgr.: Pete Szazana

Project Number: 0244-0908-0120 Cost Code: 70002

Sampler(s): J. Crompton

Laboratory Name: Teklab
Location: Collinsville

Sample Number and (depth)	Date	Time
2169 - treated - 4/26/10	4/26/10	1245
2156 - treated - 4/26/10	4/26/10	1310

Total Number of Containers	Analyses by Method Name and Number			
	BTX 8260	SVC 8270 SIMS	KCRA Metals	Total + Anealable
7	X	X	X	X
7	X	X	X	X

Total Number of Containers	Analyses by Method Name and Number			
	BTX 8260	SVC 8270 SIMS	KCRA Metals	Total + Anealable
7	X	X	X	X
7	X	X	X	X

Comments (Field PID)	Lab ID #'s
	10041027001
	007

Laboratory Temperature upon Receipt
64°C FEE

theaspa
Pres 03/24/2010

Teklab, Inc.
Courier Pick Up

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)
☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☐ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: Pete Szazana and Leslie Hoosier
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature _____
Date 4-26-10 Time 1400

Received by:

Signature _____
Date 4/26/10 Time 1400
Signature Marvin D. Donahoe II
Date 4/26/10 Time 1715

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

May 27, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: Ameren Champaign 624-0908-0120-J0002

WorkOrder: 10050825

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/19/2010 5:55:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: Ameren Champaign 624-0908-0120-J0002
Lab Order: 10050825
Report Date: 27-May-10

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10050825-001	6782-treated-5/18/10	5	5/18/2010 2:35:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

LabOrder: 10050825

Report Date: 27-May-10

CASE NARRATIVE

Cooler Receipt Temp: 5.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10050825

Lab ID: 10050825-001

Report Date: 27-May-10

Client Project: Ameren Champaign 624-0908-0120-J

Client Sample ID: 6782-treated-5/18/10

Collection Date: 5/18/2010 2:35:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.63		1	5/20/2010 1:42:00 PM	KNS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	5/20/2010 10:50:00 AM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5	H	< 5	mg/L	1	5/20/2010 4:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	5/20/2010 12:15:27 PM	LAL
Barium	NELAP	0.0050		0.132	mg/L	1	5/20/2010 12:15:27 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	5/20/2010 12:15:27 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	5/20/2010 12:15:27 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	5/20/2010 12:15:27 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	5/20/2010 12:15:27 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	5/20/2010 1:37:50 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010	J	0.00010	mg/L	1	5/20/2010 11:04:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00010	mg/L	1	5/20/2010 11:04:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	5/20/2010 11:04:00 AM	MAV
Pyrene	NELAP	0.00010		0.00011	mg/L	1	5/20/2010 11:04:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00021	mg/L	1	5/20/2010 11:04:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10050825

Lab ID: 10050825-001

Report Date: 27-May-10

Client Project: Ameren Champaign 624-0908-0120-J

Client Sample ID: 6782-treated-5/18/10

Collection Date: 5/18/2010 2:35:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		75.6	%REC	1	5/20/2010 11:04:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		52.6	%REC	1	5/20/2010 11:04:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		79.8	%REC	1	5/20/2010 11:04:00 AM	MAV
Surr: Phenol-d5		11-42.8		34.1	%REC	1	5/20/2010 11:04:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		79.8	%REC	1	5/20/2010 11:04:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	5/20/2010 10:25:00 AM	CCF
Ethylbenzene	NELAP	5.0	S	ND	µg/L	1	5/20/2010 10:25:00 AM	CCF
Toluene	NELAP	5.0	S	ND	µg/L	1	5/20/2010 10:25:00 AM	CCF
Xylenes, Total	NELAP	5.0	S	ND	µg/L	1	5/20/2010 10:25:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		113.1	%REC	1	5/20/2010 10:25:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		107.8	%REC	1	5/20/2010 10:25:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		107.4	%REC	1	5/20/2010 10:25:00 AM	CCF
Surr: Toluene-d8		84.3-114		98.8	%REC	1	5/20/2010 10:25:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	5/20/2010	MEK
<u>SW-846 9012MODIFIED</u>								
Cyanide, Amenable to Chlorination		0.700		< 0.700	mg/L	100	5/20/2010 3:00:00 PM	MVS
<u>SW-846 9014MODIFIED WITH 9010MODIFIED</u>								
Cyanide		0.500	S	0.548	mg/L	100	5/20/2010 3:00:00 PM	MVS

Sample Narrative

Standard Methods 18th Ed. 5210 B

Sample analysis did not meet hold time requirements.

SW-846 9014modified with 9010modified

Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10050825-001A	6782-treated-5/18/10	5/18/2010	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/20/2010 10:08:56 AM	5/20/2010 11:04:00 AM
10050825-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		5/20/2010 1:42:00 PM
				Standard Methods 18th Ed. 2540 D		5/20/2010 10:50:00 AM
				Standard Methods 18th Ed. 5210 B	5/20/2010 4:00:00 PM	5/20/2010 4:00:00 PM
10050825-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	5/20/2010 7:40:00 AM	5/20/2010 12:15:27 PM
				SW-846 3020A, Metals by GFAA (Total)	5/20/2010 7:25:55 AM	5/20/2010 1:37:50 PM
				SW-846 7470A (Total)	5/20/2010 8:03:45 AM	5/20/2010
10050825-001D				SW-846 9012modified	5/19/2010 9:55:00 PM	5/20/2010 3:00:00 PM
				SW-846 9014modified with 9010modified	5/19/2010 9:55:00 PM	5/20/2010 3:00:00 PM
10050825-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		5/20/2010 10:25:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R135943		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 135943		
Client ID: ZZZZZZ		Batch ID: R135943					Analysis Date: 5/20/2010			SeqNo: 2626117	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R135943		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 135943		
Client ID: ZZZZZZ		Batch ID: R135943			Analysis Date: 5/20/2010			SeqNo: 2626118				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: 10050825-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 135943		
Client ID: 6782-treated-5/18/10		Batch ID: R135943					Analysis Date: 5/20/2010			SeqNo: 2626121	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
------------------------	-----	---	--	--	--	--	--	---	---	----	--

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 135943		
Client ID: ZZZZZZ	Batch ID: R135943					Analysis Date: 5/20/2010				SeqNo: 2626153		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 135943		
Client ID: ZZZZZZ	Batch ID: R135943					Analysis Date: 5/20/2010				SeqNo: 2626771		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M4500-H B

Sample ID: 10050825-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 135954			
Client ID: 6782-treated-5/18/10		Batch ID: R135954				Analysis Date: 5/20/2010		SeqNo: 2626427			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.63	1.00						7.630	0	10	

Sample ID: LCS-R135954		SampType: LCS		Units:		Prep Date:		RunNo: 135954			
Client ID: ZZZZZZ		Batch ID: R135954				Analysis Date: 5/20/2010		SeqNo: 2626527			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.02	1.00	7.000	0	100.3	99.1	100.9				

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M5210 B

Sample ID: LCS-60696	SampType: LCS	Units: mg/L				Prep Date: 5/20/2010			RunNo: 136077		
Client ID: ZZZZZZ	Batch ID: 60696	SOP 2030				Analysis Date: 5/20/2010			SeqNo: 2630364		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	203	5	198.0	0	102.5	84.6	115.4				

Sample ID: 10050825-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 5/20/2010			RunNo: 136077		
Client ID: 6782-treated-5/18/10	Batch ID: 60696	SOP 2030				Analysis Date: 5/20/2010			SeqNo: 2630366		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	H

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: LCS-60644	SampType: LCS	Units: mg/L				Prep Date: 5/19/2010			RunNo: 135905		
Client ID: ZZZZZZ	Batch ID: 60644	SOP 3034				Analysis Date: 5/20/2010			SeqNo: 2625660		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.0	85	115				
Barium	1.88	0.0050	2.000	0	94.0	85	115				
Cadmium	0.0479	0.0020	0.05000	0	95.8	85	115				
Chromium	0.201	0.0100	0.2000	0	100.4	85	115				
Selenium	2.02	0.0500	2.000	0	101.0	85	115				
Silver	0.0495	0.0100	0.05000	0	99.0	85	115				

Sample ID: MB-60644	SampType: MBLK	Units: mg/L				Prep Date: 5/19/2010			RunNo: 135905		
Client ID: ZZZZZZ	Batch ID: 60644	SOP 3034				Analysis Date: 5/20/2010			SeqNo: 2625814		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: 10050825-001CMS	SampType: MS	Units: mg/L				Prep Date: 5/20/2010			RunNo: 135905		
Client ID: 6782-treated-5/18/10	Batch ID: 60644	SOP 3034				Analysis Date: 5/20/2010			SeqNo: 2625818		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.6	75	125				
Barium	1.92	0.0050	2.000	0.1323	89.1	75	125				
Cadmium	0.0465	0.0020	0.05000	0	93.0	75	125				
Chromium	0.190	0.0100	0.2000	0	95.0	75	125				
Selenium	1.95	0.0500	2.000	0	97.6	75	125				
Silver	0.0505	0.0100	0.05000	0	101.0	75	125				

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: 10050825-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/20/2010		RunNo: 135905			
Client ID: 6782-treated-5/18/10		Batch ID: 60644		SOP 3034		Analysis Date: 5/20/2010		SeqNo: 2625819			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.4	75	125	2.053	0.195	20	
Barium	1.93	0.0050	2.000	0.1323	89.9	75	125	1.915	0.780	20	
Cadmium	0.0466	0.0020	0.05000	0	93.2	75	125	0.04650	0.215	20	
Chromium	0.196	0.0100	0.2000	0	97.8	75	125	0.1899	2.91	20	
Selenium	1.99	0.0500	2.000	0	99.4	75	125	1.952	1.78	20	
Silver	0.0470	0.0100	0.05000	0	94.0	75	125	0.05050	7.18	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW7000 G

Lab Order: 10050825

Report Date: 27-May-10

Sample ID: MB-60660		SampType: MBLK		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135941		
Client ID: ZZZZZZ		Batch ID: 60660		SOP 3044		Analysis Date: 5/20/2010			SeqNo: 2626073		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100
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Sample ID: LCS-60660		SampType: LCS		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135941		
Client ID: ZZZZZZ		Batch ID: 60660		SOP 3044		Analysis Date: 5/20/2010			SeqNo: 2626074		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0125	0.0020	0.01500	0	83.3	80	120
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Sample ID: 10050825-001CMS		SampType: MS		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135941		
Client ID: 6782-treated-5/18/10		Batch ID: 60660		SOP 3044		Analysis Date: 5/20/2010			SeqNo: 2626076		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0142	0.0020	0.01500	0	94.3	70	130
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Sample ID: 10050825-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135941		
Client ID: 6782-treated-5/18/10		Batch ID: 60660		SOP 3044		Analysis Date: 5/20/2010			SeqNo: 2626077		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0142	0.0020	0.01500	0	94.6	70	130	0.01415	0.279	20
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Sample ID: MB-60660		SampType: MBLK		Units: mg/L		Prep Date: 5/20/2010		RunNo: 136081			
Client ID: ZZZZZZ		Batch ID: 60660		SOP 3044		Analysis Date: 5/25/2010		SeqNo: 2630433			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100
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Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7000 G

Sample ID: LCS-60660		SampType: LCS			Units: mg/L		Prep Date: 5/20/2010			RunNo: 136081		
Client ID: ZZZZZZ		Batch ID: 60660			SOP 3044		Analysis Date: 5/25/2010			SeqNo: 2630441		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0136	0.0020	0.01500	0	90.8	80	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW7470 A

Lab Order: 10050825

Report Date: 27-May-10

Sample ID: MB-60664		SampType: MBLK		Units: mg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625570		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100
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Sample ID: LCS-60664		SampType: LCS			Units: mg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664			SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625571		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00499	0.00020	0.005000	0	99.8	85	115
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Sample ID: 10050825-001CMS		SampType: MS		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135926		
Client ID: 6782-treated-5/18/10		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625596		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00467	0.00020	0.005000	0	93.4	75	125
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Sample ID: 10050825-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135926		
Client ID: 6782-treated-5/18/10		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625597		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00464	0.00020	0.005000	0	92.8	75	125	0.004670	0.644	15
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Sample ID: MB-60664		SampType: MBLK		Units: mg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625577		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW7470 A

Lab Order: 10050825

Report Date: 27-May-10

Sample ID: LCS-60664		SampType: LCS		Units: mg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625578		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00499	0.00020	0.005000	0	99.8	85	115
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Sample ID: MB-60664		SampType: MBLK		Units: µg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625560		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100
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Sample ID: LCS-60664		SampType: LCS			Units: µg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664			SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625561		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	4.99	0.20	5.000	0	99.8	85	115
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Sample ID: MB-60664		SampType: MBLK		Units: µg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625568		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100
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Sample ID: LCS-60664		SampType: LCS		Units: µg/L		Prep Date: 5/19/2010			RunNo: 135926		
Client ID: ZZZZZZ		Batch ID: 60664		SOP 3062		Analysis Date: 5/20/2010			SeqNo: 2625569		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	4.99	0.20	5.000	0	99.8	85	115
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Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: LCS-T100519-2	SampType: LCS	Units: µg/L				Prep Date: 5/20/2010			RunNo: 135957		
Client ID: ZZZZZZ	Batch ID: 60672	SW5030				Analysis Date: 5/20/2010			SeqNo: 2626470		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.7	0.50	50.00	0	99.3	82.7	117				
Ethylbenzene	48.0	1.00	50.00	0	96.0	83	113				
Toluene	49.0	2.00	50.00	0	97.9	79.6	116				
Xylenes, Total	146	1.00	150.0	0	97.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	58.3		50.00		116.6	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.8	86	119				
Surr: Dibromofluoromethane	53.0		50.00		105.9	81.7	123				
Surr: Toluene-d8	50.4		50.00		100.8	84.3	114				

Sample ID: LCSD-T100519-2	SampType: LCSD	Units: µg/L				Prep Date: 5/20/2010			RunNo: 135957		
Client ID: ZZZZZZ	Batch ID: 60672	SW5030				Analysis Date: 5/20/2010			SeqNo: 2626471		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.6	0.50	50.00	0	99.2	82.7	117	49.66	0.161	20	
Ethylbenzene	48.0	1.00	50.00	0	95.9	83	113	48.00	0.0834	20	
Toluene	49.0	2.00	50.00	0	98.0	79.6	116	48.95	0.143	20	
Xylenes, Total	146	1.00	150.0	0	97.1	80.3	120	146.2	0.384	20	
Surr: 1,2-Dichloroethane-d4	58.2		50.00		116.5	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	50.4		50.00		100.9	86	119		0	20	
Surr: Dibromofluoromethane	52.6		50.00		105.3	81.7	123		0	20	
Surr: Toluene-d8	49.9		50.00		99.8	84.3	114		0	20	

Sample ID: MBLK-T100519-2	SampType: MBLK	Units: µg/L				Prep Date: 5/20/2010			RunNo: 135957		
Client ID: ZZZZZZ	Batch ID: 60672	SW5030				Analysis Date: 5/20/2010			SeqNo: 2626472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Ethylbenzene	ND	1.00									
Toluene	ND	2.00									
Xylenes, Total	ND	1.00									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW8260B

Lab Order: 10050825

Report Date: 27-May-10

Sample ID: MBLK-T100519-2		SampType: MBLK		Units: µg/L		Prep Date: 5/20/2010			RunNo: 135957		
Client ID: ZZZZZZ		Batch ID: 60672		SW5030		Analysis Date: 5/20/2010			SeqNo: 2626472		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	56.6		50.00		113.1	74.7	129				
Surr: 4-Bromofluorobenzene	53.6		50.00		107.1	86	119				
Surr: Dibromofluoromethane	52.7		50.00		105.5	81.7	123				
Surr: Toluene-d8	49.2		50.00		98.5	84.3	114				

Sample ID: LCS-T100519-2		SampType: LCS		Units: µg/L		Prep Date: 5/20/2010			RunNo: 135928		
Client ID: ZZZZZZ		Batch ID: 60672		SW5030		Analysis Date: 5/20/2010			SeqNo: 2625609		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.7	2.0	50.00	0	99.3	82.7	117				
Ethylbenzene	48.0	5.0	50.00	0	96.0	83	113				
Toluene	49.0	5.0	50.00	0	97.9	79.6	116				
Xylenes, Total	146	5.0	150.0	0	97.5	80.3	120				
Surr: 1,2-Dichloroethane-d4	58.3		50.00		116.6	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.8	86	119				
Surr: Dibromofluoromethane	53.0		50.00		105.9	81.7	123				
Surr: Toluene-d8	50.4		50.00		100.8	84.3	114				

Sample ID: LCSD-T100519-2		SampType: LCSD		Units: µg/L		Prep Date: 5/20/2010			RunNo: 135928			
Client ID: ZZZZZZ		Batch ID: 60672		SW5030		Analysis Date: 5/20/2010			SeqNo: 2625613			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.6	2.0	50.00	0	99.2	82.7	117	49.66	0.161	20	
Ethylbenzene	48.0	5.0	50.00	0	95.9	83	113	48.00	0.0834	20	
Toluene	49.0	5.0	50.00	0	98.0	79.6	116	48.95	0.143	20	
Xylenes, Total	146	5.0	150.0	0	97.1	80.3	120	146.2	0.384	20	
Surr: 1,2-Dichloroethane-d4	58.2		50.00		116.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.4		50.00		100.9	86	119		0	0	
Surr: Dibromofluoromethane	52.6		50.00		105.3	81.7	123		0	0	
Surr: Toluene-d8	49.9		50.00		99.8	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: MBLK-T100519-2	SampType: MBLK	Units: µg/L				Prep Date: 5/20/2010			RunNo: 135928		
Client ID: ZZZZZZ	Batch ID: 60672	SW5030				Analysis Date: 5/20/2010			SeqNo: 2625614		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	56.6		50.00		113.1	74.7	129				
Surr: 4-Bromofluorobenzene	53.6		50.00		107.1	86	119				
Surr: Dibromofluoromethane	52.7		50.00		105.5	81.7	123				
Surr: Toluene-d8	49.2		50.00		98.5	84.3	114				

Sample ID: 10050825-001EMS	SampType: MS	Units: µg/L				Prep Date: 5/20/2010			RunNo: 135928		
Client ID: 6782-treated-5/18/10	Batch ID: 60672	SW5030				Analysis Date: 5/20/2010			SeqNo: 2625616		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	30.9	2.0	28.00	0	110.4	57.8	125				
Toluene	30.3	5.0	28.00	0	108.1	75.8	123				
Ethylbenzene	30.6	5.0	28.00	0	109.4	72.8	123				
Xylenes, Total	59.8	5.0	56.00	0	106.9	73	127				
Surr: 1,2-Dichloroethane-d4	57.4		50.00		114.9	74.7	129				
Surr: 4-Bromofluorobenzene	54.0		50.00		108.0	86	119				
Surr: Dibromofluoromethane	53.4		50.00		106.9	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.1	84.3	114				

Sample ID: 10050825-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 5/20/2010			RunNo: 135928		
Client ID: 6782-treated-5/18/10	Batch ID: 60672	SW5030				Analysis Date: 5/20/2010			SeqNo: 2626467		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	31.4	2.0	28.00	0	112.2	57.8	125	30.90	1.67	20	
Toluene	31.1	5.0	28.00	0	111.0	75.8	123	30.26	2.64	20	
Ethylbenzene	31.5	5.0	28.00	0	112.4	72.8	123	30.63	2.71	20	
Xylenes, Total	60.8	5.0	56.00	0	108.5	73	127	59.85	1.49	20	

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: 10050825-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 5/20/2010		RunNo: 135928			
Client ID: 6782-treated-5/18/10		Batch ID: 60672		SW5030		Analysis Date: 5/20/2010		SeqNo: 2626467			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	57.9		50.00		115.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	55.1		50.00		110.2	86	119		0	0	
Surr: Dibromofluoromethane	53.9		50.00		107.8	81.7	123		0	0	
Surr: Toluene-d8	49.4		50.00		98.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: MB-60659		SampType: MBLK			Units: mg/L		Prep Date: 5/19/2010			RunNo: 135922		
Client ID: ZZZZZZ		Batch ID: 60659			SW3510C		Analysis Date: 5/20/2010			SeqNo: 2625410		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene	ND	0.00010										
Acenaphthylene	ND	0.00010										
Anthracene	ND	0.00010										
Benzo(a)anthracene	ND	0.00010										
Benzo(a)pyrene	ND	0.00010										
Benzo(b)fluoranthene	ND	0.00010										
Benzo(g,h,i)perylene	ND	0.00010										
Benzo(k)fluoranthene	ND	0.00010										
Bis(2-ethylhexyl)phthalate	ND	0.00200										
Chrysene	ND	0.00010										
Dibenzo(a,h)anthracene	ND	0.00010										
Diethyl phthalate	ND	0.00100										
Dimethyl phthalate	ND	0.00100										
Di-n-butyl phthalate	ND	0.00100										
Fluoranthene	ND	0.00010										
Fluorene	ND	0.00010										
Indeno(1,2,3-cd)pyrene	ND	0.00010										
m,p-Cresol	ND	0.00010										
Naphthalene	ND	0.00010										
o-Cresol	ND	0.00010										
Phenanthrene	ND	0.00010										
Pyrene	ND	0.00010										
Surr: 2-Fluorobiphenyl	0.00343		0.005000		68.6	41.9	97.9					
Surr: 2-Fluorophenol	0.00577		0.01000		57.7	16.1	79.2					
Surr: Nitrobenzene-d5	0.00407		0.005000		81.4	39.9	106					
Surr: Phenol-d5	0.00387		0.01000		38.7	9.94	53.7					
Surr: p-Terphenyl-d14	0.00428		0.005000		85.6	53	116					

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCS-60659	SampType: LCS	Units: mg/L			Prep Date: 5/19/2010			RunNo: 135922			
Client ID: ZZZZZZ	Batch ID: 60659	SW3510C			Analysis Date: 5/20/2010			SeqNo: 2625411			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00341	0.00010	0.005000	0	68.1	50.1	103				
Acenaphthylene	0.00357	0.00010	0.005000	0	71.4	53.3	122				
Anthracene	0.00374	0.00010	0.005000	0	74.9	57.4	110				
Benzo(a)anthracene	0.00368	0.00010	0.005000	0	73.5	56	102				
Benzo(a)pyrene	0.00394	0.00010	0.005000	0	78.8	55.4	125				
Benzo(b)fluoranthene	0.00384	0.00010	0.005000	0	76.8	59.3	127				
Benzo(g,h,i)perylene	0.00441	0.00010	0.005000	0	88.2	58.4	125				
Benzo(k)fluoranthene	0.00380	0.00010	0.005000	0	76.0	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00479	0.00200	0.005000	0	95.7	63.2	152				
Chrysene	0.00395	0.00010	0.005000	0	78.9	58.7	118				
Dibenzo(a,h)anthracene	0.00431	0.00010	0.005000	0	86.2	59.3	126				
Diethyl phthalate	0.00392	0.00100	0.005000	0	78.3	55.3	133				
Dimethyl phthalate	0.00372	0.00100	0.005000	0	74.4	55.7	112				
Di-n-butyl phthalate	0.00399	0.00100	0.005000	0	79.8	61.5	130				
Fluoranthene	0.00390	0.00010	0.005000	0	77.9	60.1	117				
Fluorene	0.00356	0.00010	0.005000	0	71.3	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00426	0.00010	0.005000	0	85.2	58.1	123				
m,p-Cresol	0.00315	0.00010	0.005000	0	63.0	17.9	107				
Naphthalene	0.00313	0.00010	0.005000	0	62.5	36.3	97.1				
o-Cresol	0.00337	0.00010	0.005000	0	67.3	20.5	109				
Phenanthrene	0.00377	0.00010	0.005000	0	75.3	55.9	107				
Pyrene	0.00384	0.00010	0.005000	0	76.8	61.4	116				
Surr: 2-Fluorobiphenyl	0.00331		0.005000		66.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00559		0.01000		55.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00427		0.005000		85.4	39.9	106				
Surr: Phenol-d5	0.00365		0.01000		36.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00416		0.005000		83.2	53	116				

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCSD-60659		SampType: LCSD		Units: mg/L		Prep Date: 5/19/2010		RunNo: 135922			
Client ID: ZZZZZZ		Batch ID: 60659		SW3510C		Analysis Date: 5/20/2010		SeqNo: 2625412			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00346	0.00010	0.005000	0	69.2	50.1	103	0.003407	1.60	50	
Acenaphthylene	0.00351	0.00010	0.005000	0	70.2	53.3	122	0.003570	1.69	50	
Anthracene	0.00379	0.00010	0.005000	0	75.8	57.4	110	0.003744	1.27	50	
Benzo(a)anthracene	0.00370	0.00010	0.005000	0	73.9	56	102	0.003677	0.488	50	
Benzo(a)pyrene	0.00389	0.00010	0.005000	0	77.8	55.4	125	0.003941	1.25	50	
Benzo(b)fluoranthene	0.00385	0.00010	0.005000	0	77.0	59.3	127	0.003842	0.208	50	
Benzo(g,h,i)perylene	0.00433	0.00010	0.005000	0	86.6	58.4	125	0.004412	1.90	50	
Benzo(k)fluoranthene	0.00395	0.00010	0.005000	0	79.0	61.5	125	0.003799	3.85	50	
Bis(2-ethylhexyl)phthalate	0.00475	0.00200	0.005000	0	95.1	63.2	152	0.004786	0.692	50	
Chrysene	0.00400	0.00010	0.005000	0	80.1	58.7	118	0.003946	1.46	50	
Dibenzo(a,h)anthracene	0.00427	0.00010	0.005000	0	85.3	59.3	126	0.004308	0.980	50	
Diethyl phthalate	0.00398	0.00100	0.005000	0	79.5	55.3	133	0.003915	1.52	40	
Dimethyl phthalate	0.00390	0.00100	0.005000	0	78.1	55.7	112	0.003722	4.77	40	
Di-n-butyl phthalate	0.00404	0.00100	0.005000	0	80.8	61.5	130	0.003992	1.15	50	
Fluoranthene	0.00398	0.00010	0.005000	0	79.6	60.1	117	0.003897	2.16	50	
Fluorene	0.00360	0.00010	0.005000	0	72.1	54.1	110	0.003564	1.14	50	
Indeno(1,2,3-cd)pyrene	0.00429	0.00010	0.005000	0	85.9	58.1	123	0.004262	0.748	50	
m,p-Cresol	0.00341	0.00010	0.005000	0	68.1	17.9	107	0.003151	7.81	50	
Naphthalene	0.00315	0.00010	0.005000	0	63.0	36.3	97.1	0.003126	0.733	50	
o-Cresol	0.00363	0.00010	0.005000	0	72.7	20.5	109	0.003365	7.69	50	
Phenanthrene	0.00378	0.00010	0.005000	0	75.6	55.9	107	0.003767	0.345	50	
Pyrene	0.00393	0.00010	0.005000	0	78.6	61.4	116	0.003842	2.21	50	
Surr: 2-Fluorobiphenyl	0.00319		0.005000		63.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00579		0.01000		57.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00426		0.005000		85.2	39.9	106		0	50	
Surr: Phenol-d5	0.00386		0.01000		38.6	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00417		0.005000		83.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW9014

Lab Order: 10050825

Report Date: 27-May-10

Sample ID: MB-R135969	SampType: MBLK	Units: mg/L				Prep Date: 5/19/2010				RunNo: 135969	
Client ID: ZZZZZZ	Batch ID: R135969					Analysis Date: 5/20/2010				SeqNo: 2626715	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R135969	SampType: LCS	Units: mg/L				Prep Date: 5/19/2010				RunNo: 135969	
Client ID: ZZZZZZ	Batch ID: R135969					Analysis Date: 5/20/2010				SeqNo: 2626716	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.091	0.007	0.1000	0	90.7	85	115				

Sample ID: 10050825-001DMS	SampType: MS	Units: mg/L				Prep Date: 5/19/2010				RunNo: 135969	
Client ID: 6782-treated-5/18/10	Batch ID: R135969					Analysis Date: 5/20/2010				SeqNo: 2626941	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.804	0.700	0.05000	0.5480	513.0	75	125				S

Sample ID: 10050825-001DMSD	SampType: MSD	Units: mg/L				Prep Date: 5/19/2010				RunNo: 135969	
Client ID: 6782-treated-5/18/10	Batch ID: R135969					Analysis Date: 5/20/2010				SeqNo: 2626942	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.878	0.700	0.05000	0.5480	660.0	75	125	0.8045	8.74	15	S

Sample ID: MBLK	SampType: MBLK	Units: mg/Kg				Prep Date: 5/19/2010				RunNo: 135969	
Client ID: ZZZZZZ	Batch ID: R135969					Analysis Date: 5/20/2010				SeqNo: 2626921	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.010	0.010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW9014

Lab Order: 10050825

Report Date: 27-May-10

Sample ID: LCS	SampType: LCS	Units: mg/Kg			Prep Date: 5/19/2010	RunNo: 135969					
Client ID: ZZZZZZ	Batch ID: R135969				Analysis Date: 5/20/2010	SeqNo: 2626922					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.092	0.010	0.1000	0	92.2	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050825

Report Date: 27-May-10

RECEIVING CHECK LIST

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

19-May-10

Dawn Brantley

Reviewed by:

On:

20-May-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

pg. _____ of _____ Work Order # 1050825pg. _____ of _____ Work Order # 1050825

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 3.7 °C

Preserved in: ☐ Lab ☒ Field 0351912 FOR LAB USE ONLY

Lab Notes: o blood smears

Comments:

Teklab, Inc.
Courier Pick Up

1 DAY

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☒ No
- Are these samples known to be hazardous? ☐ Yes ☒ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

[illegible]

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

June 03, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: Ameren Champaign 624-0908-0120-J0002

WorkOrder: 10050901

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/20/2010 5:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: Ameren Champaign 624-0908-0120-J0002
Lab Order: 10050901
Report Date: 03-Jun-10

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10050901-001	4091-treated-5/20/10	5	5/20/2010 1:40:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

LabOrder: 10050901

Report Date: 03-Jun-10

CASE NARRATIVE

Cooler Receipt Temp: 3.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10050901

Lab ID: 10050901-001

Report Date: 03-Jun-10

Client Project: Ameren Champaign 624-0908-0120-J

Client Sample ID: 4091-treated-5/20/10

Collection Date: 5/20/2010 1:40:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.69		1	5/21/2010 1:17:00 PM	KNS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	5/21/2010 12:20:00 PM	JMT
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5	H	15	mg/L	1	5/27/2010 4:10:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	5/21/2010 11:28:17 AM	LAL
Barium	NELAP	0.0050		0.0619	mg/L	1	5/21/2010 11:28:17 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	5/21/2010 11:28:17 AM	LAL
Chromium	NELAP	0.0100	J	0.0043	mg/L	1	5/21/2010 11:28:17 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	5/21/2010 11:28:17 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	5/21/2010 11:28:17 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	5/21/2010 1:34:10 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	5/21/2010 12:47:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10050901

Lab ID: 10050901-001

Report Date: 03-Jun-10

Client Project: Ameren Champaign 624-0908-0120-J

Client Sample ID: 4091-treated-5/20/10

Collection Date: 5/20/2010 1:40:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		60.1	%REC	1	5/21/2010 12:47:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9	S	11.9	%REC	1	5/21/2010 12:47:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		61.9	%REC	1	5/21/2010 12:47:00 PM	MAV
Surr: Phenol-d5		11-42.8	S	0.4	%REC	1	5/21/2010 12:47:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		59.3	%REC	1	5/21/2010 12:47:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	5/21/2010 11:07:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	5/21/2010 11:07:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	5/21/2010 11:07:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	5/21/2010 11:07:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		114.3	%REC	1	5/21/2010 11:07:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		113.0	%REC	1	5/21/2010 11:07:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		109.2	%REC	1	5/21/2010 11:07:00 AM	CCF
Surr: Toluene-d8		84.3-114		100.4	%REC	1	5/21/2010 11:07:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	5/21/2010	MEK
<u>SW-846 9012MODIFIED</u>								
Cyanide, Amenable to Chlorination		0.140		0.446	mg/L	20	5/25/2010 3:00:00 PM	MVS
<u>SW-846 9014MODIFIED WITH 9010MODIFIED</u>								
Cyanide		0.140		0.446	mg/L	20	5/25/2010 3:00:00 PM	MVS

Sample Narrative

Standard Methods 18th Ed. 5210 B

Sample required re-analysis out of hold time.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

Bis(2-ethylhexyl)phthalate recovery was outside of QC limits in the LCSD. Sample results were below the reporting limit.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**Project:** Ameren Champaign 624-0908-0120-J0002**Lab Order:** 10050901**Report Date:** 03-Jun-10**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10050901-001A	4091-treated-5/20/10	5/20/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/20/2010 7:00:00 PM	5/21/2010 12:47:00 PM
10050901-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		5/21/2010 1:17:00 PM
				Standard Methods 18th Ed. 2540 D		5/21/2010 12:20:00 PM
				Standard Methods 18th Ed. 5210 B	5/21/2010 11:50:00 AM	5/21/2010 11:50:00 AM
				Standard Methods 18th Ed. 5210 B	5/27/2010 4:10:00 PM	5/27/2010 4:10:00 PM
10050901-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	5/20/2010 8:08:43 PM	5/21/2010 11:28:17 AM
				SW-846 3020A, Metals by GFAA (Total)	5/20/2010 8:33:23 PM	5/21/2010 1:34:10 PM
				SW-846 7470A (Total)	5/21/2010 9:05:05 AM	5/21/2010
10050901-001D				SW-846 9012modified		5/25/2010 3:00:00 PM
				SW-846 9014modified with 9010modified		5/25/2010 3:00:00 PM
10050901-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		5/21/2010 11:07:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: M2540 D

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: MB-R136012		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 136012		
Client ID: ZZZZZZ		Batch ID: R136012					Analysis Date: 5/21/2010			SeqNo: 2627896	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R136012		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 136012		
Client ID: ZZZZZZ		Batch ID: R136012			Analysis Date: 5/21/2010			SeqNo: 2627897				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	90	6	100.0	0	90.0	85	115				
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Sample ID: 10050901-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 136012		
Client ID: 4091-treated-5/20/10		Batch ID: R136012			Analysis Date: 5/21/2010			SeqNo: 2627899				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 136012		
Client ID: ZZZZZZ		Batch ID: R136012			Analysis Date: 5/21/2010			SeqNo: 2627916				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 136012		
Client ID: ZZZZZZ	Batch ID: R136012					Analysis Date: 5/21/2010				SeqNo: 2627936		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	102	6	100.0	0	102.0	85	115				
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Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: LCSQC		SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 136012			
Client ID: ZZZZZZ		Batch ID: R136012				Analysis Date: 5/21/2010		SeqNo: 2627951			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	94	6	100.0	0	94.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: M4500-H B

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: LCS-R135990		SampType: LCS			Units:		Prep Date:			RunNo: 135990		
Client ID: ZZZZZZ		Batch ID: R135990			Analysis Date: 5/21/2010			SeqNo: 2627378				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10050901-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 135990		
Client ID: 4091-treated-5/20/10		Batch ID: R135990		Analysis Date: 5/21/2010						SeqNo: 2627405	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.70	1.00						8.690	0.115	10	
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Sample ID: LCS-R135990	SampType: LCS	Units:			Prep Date:			RunNo: 135990			
Client ID: ZZZZZZ	Batch ID: R135990				Analysis Date: 5/21/2010			SeqNo: 2634808			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	0	7.000	0	100.1	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: M5210 B

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: LCS-60756	SampType: LCS	Units: mg/L				Prep Date: 5/21/2010			RunNo: 136133		
Client ID: ZZZZZZ	Batch ID: 60756	SOP 2030				Analysis Date: 5/21/2010			SeqNo: 2632023		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	143	5	198.0	0	72.2	84.6	115.4				S

Sample ID: LCS-60853	SampType: LCS	Units: mg/L				Prep Date: 5/27/2010			RunNo: 136373		
Client ID: ZZZZZZ	Batch ID: 60853	SOP 2030				Analysis Date: 5/27/2010			SeqNo: 2639463		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	209	5	198.0	0	105.6	84.6	115.4				

Sample ID: 10050901-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 5/21/2010			RunNo: 136373		
Client ID: 4091-treated-5/20/10		Batch ID: 60756		SOP 2030		Analysis Date: 5/21/2010			SeqNo: 2639467		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	15	5						15.00	0	40	H

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW6010B

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: MB-60703	SampType: MBLK	Units: mg/L				Prep Date: 5/20/2010			RunNo: 135962		
Client ID: ZZZZZZ	Batch ID: 60703	SOP 3034				Analysis Date: 5/21/2010			SeqNo: 2627055		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-60703	SampType: LCS	Units: mg/L				Prep Date: 5/20/2010			RunNo: 135962		
Client ID: ZZZZZZ	Batch ID: 60703	SOP 3034				Analysis Date: 5/21/2010			SeqNo: 2627059		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0518	0.0020	0.05000	0	103.6	85	115				
Chromium	0.211	0.0100	0.2000	0	105.6	85	115				
Silver	0.0552	0.0100	0.05000	0	110.4	85	115				

Sample ID: MB-60703	SampType: MBLK	Units: mg/L			Prep Date: 5/20/2010			RunNo: 135962			
Client ID: ZZZZZZ	Batch ID: 60703	SOP 3034			Analysis Date: 5/21/2010			SeqNo: 2627056			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	0.023	0.0500	0.05000	0	45.6	-100	100				J
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-60703		SampType: LCS		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135962		
Client ID: ZZZZZZ		Batch ID: 60703		SOP 3034		Analysis Date: 5/21/2010			SeqNo: 2627060		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.6	85	115				
Barium	1.99	0.0050	2.000	0	99.6	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW6010B

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: LCS-60703		SampType: LCS			Units: mg/L		Prep Date: 5/20/2010			RunNo: 135962		
Client ID: ZZZZZZ		Batch ID: 60703			SOP 3034		Analysis Date: 5/21/2010			SeqNo: 2627060		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	0.0518	0.0020	0.05000	0	103.6	85	115				
Chromium	0.211	0.0100	0.2000	0	105.6	85	115				
Selenium	2.14	0.0500	2.000	0	107.0	85	115				
Silver	0.0552	0.0100	0.05000	0	110.4	85	115				

Sample ID: 10050901-001CMS		SampType: MS		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135962		
Client ID: 4091-treated-5/20/10		Batch ID: 60703		SOP 3034		Analysis Date: 5/21/2010			SeqNo: 2627066		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	2.13	0.0250	2.000	0	106.3	75	125				
Barium	1.89	0.0050	2.000	0.06190	91.4	75	125				
Cadmium	0.0493	0.0020	0.05000	0	98.6	75	125				
Chromium	0.193	0.0100	0.2000	0.004300	94.6	75	125				
Selenium	2.03	0.0500	2.000	0	101.7	75	125				
Silver	0.0495	0.0100	0.05000	0	99.0	75	125				

Sample ID: 10050901-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135962		
Client ID: 4091-treated-5/20/10		Batch ID: 60703		SOP 3034		Analysis Date: 5/21/2010			SeqNo: 2627067		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	2.17	0.0250	2.000	0	108.4	75	125	2.126	1.96	20	
Barium	1.93	0.0050	2.000	0.06190	93.4	75	125	1.889	2.10	20	
Cadmium	0.0495	0.0020	0.05000	0	99.0	75	125	0.04930	0.405	20	
Chromium	0.202	0.0100	0.2000	0.004300	98.8	75	125	0.1934	4.25	20	
Selenium	2.13	0.0500	2.000	0	106.5	75	125	2.034	4.61	20	
Silver	0.0491	0.0100	0.05000	0	98.2	75	125	0.04950	0.811	20	

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7000 G

Sample ID: MB-60704		SampType: MBLK		Units: mg/L		Prep Date: 5/20/2010			RunNo: 136001		
Client ID: ZZZZZZ		Batch ID: 60704		SOP 3044		Analysis Date: 5/21/2010			SeqNo: 2627667		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-60704		SampType: LCS			Units: mg/L		Prep Date: 5/20/2010			RunNo: 136001		
Client ID: ZZZZZZ		Batch ID: 60704			SOP 3044		Analysis Date: 5/21/2010			SeqNo: 2627668		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0124	0.0020	0.01500	0	82.6	80	120			
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Sample ID: 10050901-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/20/2010			RunNo: 136001		
Client ID: 4091-treated-5/20/10		Batch ID: 60704		SOP 3044		Analysis Date: 5/21/2010			SeqNo: 2627671		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0134	0.0020	0.01500	0	89.6	70	130	0.01272	5.46	20
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Sample ID: 10050901-001CMS		SampType: MS		Units: mg/L		Prep Date: 5/20/2010			RunNo: 136001		
Client ID: 4091-treated-5/20/10		Batch ID: 60704		SOP 3044		Analysis Date: 5/21/2010			SeqNo: 2627679		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0127	0.0020	0.01500	0	84.8	70	130			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW7470 A

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: MB-60686		SampType: MBLK		Units: mg/L		Prep Date: 5/20/2010			RunNo: 135980		
Client ID: ZZZZZZ		Batch ID: 60686		SOP 3062		Analysis Date: 5/21/2010			SeqNo: 2627420		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-60686		SampType: LCS			Units: mg/L		Prep Date: 5/20/2010			RunNo: 135980		
Client ID: ZZZZZZ		Batch ID: 60686			SOP 3062		Analysis Date: 5/21/2010			SeqNo: 2627421		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00514	0.00020	0.005000	0	102.8	85	115				
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Sample ID: 10050901-001CMS		SampType: MS		Units: mg/L		Prep Date: 5/21/2010			RunNo: 135980		
Client ID: 4091-treated-5/20/10		Batch ID: 60686		SOP 3062		Analysis Date: 5/21/2010			SeqNo: 2627748		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00490	0.00020	0.005000	0	98.0	75	125				
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Sample ID: 10050901-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/21/2010			RunNo: 135980		
Client ID: 4091-treated-5/20/10		Batch ID: 60686		SOP 3062		Analysis Date: 5/21/2010			SeqNo: 2627749		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00497	0.00020	0.005000	0	99.4	75	125	0.004900	1.42	15	
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Sample ID: MB-60686		SampType: MBLK		Units: µg/L		Prep Date: 5/20/2010		RunNo: 135980			
Client ID: ZZZZZZ		Batch ID: 60686		SOP 3062		Analysis Date: 5/21/2010		SeqNo: 2627424			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW7470 A

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: LCS-60686	SampType: LCS	Units: µg/L			Prep Date: 5/20/2010			RunNo: 135980			
Client ID: ZZZZZZ	Batch ID: 60686	SOP 3062			Analysis Date: 5/21/2010			SeqNo: 2627425			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	5.14	0.20	5.000	0	102.8	85	115				
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Sample ID: MB-60686	SampType: MBLK	Units: µg/L			Prep Date: 5/20/2010			RunNo: 135980			
Client ID: ZZZZZZ	Batch ID: 60686	SOP 3062			Analysis Date: 5/21/2010			SeqNo: 2627422			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-60686	SampType: LCS	Units: µg/L			Prep Date: 5/20/2010			RunNo: 135980			
Client ID: ZZZZZZ	Batch ID: 60686	SOP 3062			Analysis Date: 5/21/2010			SeqNo: 2627423			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	5.14	0.20	5.000	0	102.8	85	115				
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Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: LCS-T100520-2	SampType: LCS	Units: µg/L			Prep Date: 5/21/2010			RunNo: 136006			
Client ID: ZZZZZZ	Batch ID: 60721	SW5030			Analysis Date: 5/21/2010			SeqNo: 2627833			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.4	0.50	50.00	0	94.8	82.7	117				
Ethylbenzene	46.4	1.00	50.00	0	92.9	83	113				
Toluene	47.3	2.00	50.00	0	94.6	79.6	116				
Xylenes, Total	140	1.00	150.0	0	93.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	58.4		50.00		116.8	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100	86	119				
Surr: Dibromofluoromethane	53.6		50.00		107.1	81.7	123				
Surr: Toluene-d8	50.7		50.00		101.3	84.3	114				

Sample ID: LCSD-T100520-2	SampType: LCSD	Units: µg/L			Prep Date: 5/21/2010			RunNo: 136006			
Client ID: ZZZZZZ	Batch ID: 60721	SW5030			Analysis Date: 5/21/2010			SeqNo: 2627834			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.8	0.50	50.00	0	97.5	82.7	117	47.42	2.77	20	
Ethylbenzene	47.9	1.00	50.00	0	95.8	83	113	46.44	3.07	20	
Toluene	49.6	2.00	50.00	0	99.1	79.6	116	47.29	4.69	20	
Xylenes, Total	145	1.00	150.0	0	96.9	80.3	120	140.1	3.65	20	
Surr: 1,2-Dichloroethane-d4	57.4		50.00		114.7	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	49.1		50.00		98.2	86	119		0	20	
Surr: Dibromofluoromethane	52.8		50.00		105.7	81.7	123		0	20	
Surr: Toluene-d8	50.8		50.00		101.5	84.3	114		0	20	

Sample ID: MBLK-T100520-2	SampType: MBLK	Units: µg/L			Prep Date: 5/21/2010			RunNo: 136006			
Client ID: ZZZZZZ	Batch ID: 60721	SW5030			Analysis Date: 5/21/2010			SeqNo: 2627835			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Ethylbenzene	ND	1.00									
Toluene	ND	2.00									
Xylenes, Total	ND	1.00									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW8260B

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: MBLK-T100520-2		SampType: MBLK		Units: µg/L		Prep Date: 5/21/2010			RunNo: 136006		
Client ID: ZZZZZZ		Batch ID: 60721		SW5030		Analysis Date: 5/21/2010			SeqNo: 2627835		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	56.0		50.00		111.9	74.7	129				
Surr: 4-Bromofluorobenzene	54.6		50.00		109.2	86	119				
Surr: Dibromofluoromethane	53.2		50.00		106.4	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: LCS-T100520-2		SampType: LCS		Units: µg/L		Prep Date: 5/21/2010			RunNo: 135985		
Client ID: ZZZZZZ		Batch ID: 60721		SW5030		Analysis Date: 5/21/2010			SeqNo: 2627297		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.4	2.0	50.00	0	94.8	82.7	117				
Ethylbenzene	46.4	5.0	50.00	0	92.9	83	113				
Toluene	47.3	5.0	50.00	0	94.6	79.6	116				
Xylenes, Total	140	5.0	150.0	0	93.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	58.4		50.00		116.8	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100	86	119				
Surr: Dibromofluoromethane	53.6		50.00		107.1	81.7	123				
Surr: Toluene-d8	50.7		50.00		101.3	84.3	114				

Sample ID: LCSD-T100520-2		SampType: LCSD		Units: µg/L		Prep Date: 5/21/2010				RunNo: 135985		
Client ID: ZZZZZZ		Batch ID: 60721		SW5030		Analysis Date: 5/21/2010				SeqNo: 2627298		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	48.8	2.0	50.00	0	97.5	82.7	117	47.42	2.77	20	
Ethylbenzene	47.9	5.0	50.00	0	95.8	83	113	46.44	3.07	20	
Toluene	49.6	5.0	50.00	0	99.1	79.6	116	47.29	4.69	20	
Xylenes, Total	145	5.0	150.0	0	96.9	80.3	120	140.1	3.65	20	
Surr: 1,2-Dichloroethane-d4	57.4		50.00		114.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.1		50.00		98.2	86	119		0	0	
Surr: Dibromofluoromethane	52.8		50.00		105.7	81.7	123		0	0	
Surr: Toluene-d8	50.8		50.00		101.5	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: MBLK-T100520-2	SampType: MBLK	Units: µg/L				Prep Date: 5/21/2010			RunNo: 135985		
Client ID: ZZZZZZ	Batch ID: 60721	SW5030				Analysis Date: 5/21/2010			SeqNo: 2627299		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	56.0		50.00		111.9	74.7	129				
Surr: 4-Bromofluorobenzene	54.6		50.00		109.2	86	119				
Surr: Dibromofluoromethane	53.2		50.00		106.4	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: 10050901-001EMS	SampType: MS	Units: µg/L				Prep Date: 5/21/2010			RunNo: 135985		
Client ID: 4091-treated-5/20/10	Batch ID: 60721	SW5030				Analysis Date: 5/21/2010			SeqNo: 2627301		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	30.6	2.0	28.00	0	109.4	57.8	125				
Toluene	30.7	5.0	28.00	0	109.8	75.8	123				
Ethylbenzene	31.9	5.0	28.00	0	113.8	72.8	123				
Xylenes, Total	62.6	5.0	56.00	0	111.7	73	127				
Surr: 1,2-Dichloroethane-d4	56.4		50.00		112.8	74.7	129				
Surr: 4-Bromofluorobenzene	53.1		50.00		106.2	86	119				
Surr: Dibromofluoromethane	53.5		50.00		107.0	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: 10050901-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 5/21/2010			RunNo: 135985		
Client ID: 4091-treated-5/20/10	Batch ID: 60721	SW5030				Analysis Date: 5/21/2010			SeqNo: 2627302		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	31.2	2.0	28.00	0	111.5	57.8	125	30.62	1.91	20	
Toluene	31.1	5.0	28.00	0	111.2	75.8	123	30.74	1.29	20	
Ethylbenzene	31.5	5.0	28.00	0	112.6	72.8	123	31.86	1.04	20	
Xylenes, Total	62.5	5.0	56.00	0	111.6	73	127	62.57	0.144	20	

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8260B

Sample ID: 10050901-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 5/21/2010		RunNo: 135985			
Client ID: 4091-treated-5/20/10		Batch ID: 60721		SW5030		Analysis Date: 5/21/2010		SeqNo: 2627302			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	57.2		50.00		114.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	53.3		50.00		106.6	86	119		0	0	
Surr: Dibromofluoromethane	53.6		50.00		107.2	81.7	123		0	0	
Surr: Toluene-d8	49.2		50.00		98.4	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW8270C

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: MB-60689	SampType: MBLK	Units: mg/L	Prep Date: 5/20/2010	RunNo: 135983							
Client ID: ZZZZZZ	Batch ID: 60689	SW3510C	Analysis Date: 5/21/2010	SeqNo: 2627240							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0171		0.02500		68.3	41.9	97.9				
Surr: 2-Fluorophenol	0.0247		0.05000		49.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.0184		0.02500		73.7	39.9	106				
Surr: Phenol-d5	0.0167		0.05000		33.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.0198		0.02500		79.1	53	116				

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID: LCS-60689	SampType: LCS	Units: mg/L				Prep Date: 5/20/2010			RunNo: 135983		
Client ID: ZZZZZZ	Batch ID: 60689	SW3510C				Analysis Date: 5/21/2010			SeqNo: 2627241		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00318	0.00010	0.005000	0	63.6	50.1	103				
Acenaphthylene	0.00320	0.00010	0.005000	0	64.0	53.3	122				
Anthracene	0.00335	0.00010	0.005000	0	67.0	57.4	110				
Benzo(a)anthracene	0.00332	0.00010	0.005000	0	66.4	56	102				
Benzo(a)pyrene	0.00346	0.00010	0.005000	0	69.1	55.4	125				
Benzo(b)fluoranthene	0.00342	0.00010	0.005000	0	68.5	59.3	127				
Benzo(g,h,i)perylene	0.00391	0.00010	0.005000	0	78.2	58.4	125				
Benzo(k)fluoranthene	0.00352	0.00010	0.005000	0	70.4	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00421	0.00200	0.005000	0	84.1	63.2	152				
Chrysene	0.00363	0.00010	0.005000	0	72.6	58.7	118				
Dibenzo(a,h)anthracene	0.00389	0.00010	0.005000	0	77.9	59.3	126				
Diethyl phthalate	0.00363	0.00100	0.005000	0	72.5	55.3	133				
Dimethyl phthalate	0.00357	0.00100	0.005000	0	71.4	55.7	112				
Di-n-butyl phthalate	0.00370	0.00100	0.005000	0	74.0	61.5	130				
Fluoranthene	0.00358	0.00010	0.005000	0	71.5	60.1	117				
Fluorene	0.00333	0.00010	0.005000	0	66.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00389	0.00010	0.005000	0	77.8	58.1	123				
m,p-Cresol	0.00262	0.00010	0.005000	0	52.5	17.9	107				
Naphthalene	0.00291	0.00010	0.005000	0	58.2	36.3	97.1				
o-Cresol	0.00270	0.00010	0.005000	0	54.0	20.5	109				
Phenanthrene	0.00345	0.00010	0.005000	0	69.0	55.9	107				
Pyrene	0.00354	0.00010	0.005000	0	70.9	61.4	116				
Surr: 2-Fluorobiphenyl	0.0164		0.02500		65.6	41.9	97.9				
Surr: 2-Fluorophenol	0.0243		0.05000		48.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.0183		0.02500		73.0	39.9	106				
Surr: Phenol-d5	0.0158		0.05000		31.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.0203		0.02500		81.1	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW8270C

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: LCSD-60689		SampType: LCSD		Units: mg/L		Prep Date: 5/20/2010		RunNo: 135983			
Client ID: ZZZZZZ		Batch ID: 60689		SW3510C		Analysis Date: 5/21/2010		SeqNo: 2627242			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00291	0.00010	0.005000	0	58.2	50.1	103	0.003178	8.84	50	
Acenaphthylene	0.00290	0.00010	0.005000	0	57.9	53.3	122	0.003198	9.95	50	
Anthracene	0.00321	0.00010	0.005000	0	64.3	57.4	110	0.003348	4.12	50	
Benzo(a)anthracene	0.00320	0.00010	0.005000	0	63.9	56	102	0.003321	3.80	50	
Benzo(a)pyrene	0.00337	0.00010	0.005000	0	67.3	55.4	125	0.003455	2.61	50	
Benzo(b)fluoranthene	0.00330	0.00010	0.005000	0	65.9	59.3	127	0.003423	3.75	50	
Benzo(g,h,i)perylene	0.00377	0.00010	0.005000	0	75.5	58.4	125	0.003910	3.54	50	
Benzo(k)fluoranthene	0.00333	0.00010	0.005000	0	66.7	61.5	125	0.003520	5.43	50	
Bis(2-ethylhexyl)phthalate	0.0106	0.00200	0.005000	0	212.8	63.2	152	0.004205	86.7	50	SR
Chrysene	0.00343	0.00010	0.005000	0	68.6	58.7	118	0.003629	5.64	50	
Dibenzo(a,h)anthracene	0.00366	0.00010	0.005000	0	73.3	59.3	126	0.003894	6.09	50	
Diethyl phthalate	0.00353	0.00100	0.005000	0	70.6	55.3	133	0.003626	2.71	40	
Dimethyl phthalate	0.00332	0.00100	0.005000	0	66.4	55.7	112	0.003572	7.37	40	
Di-n-butyl phthalate	0.00350	0.00100	0.005000	0	70.0	61.5	130	0.003700	5.61	50	
Fluoranthene	0.00330	0.00010	0.005000	0	66.0	60.1	117	0.003575	7.97	50	
Fluorene	0.00301	0.00010	0.005000	0	60.1	54.1	110	0.003332	10.3	50	
Indeno(1,2,3-cd)pyrene	0.00370	0.00010	0.005000	0	73.9	58.1	123	0.003892	5.19	50	
m,p-Cresol	0.00248	0.00010	0.005000	0	49.5	17.9	107	0.002624	5.80	50	
Naphthalene	0.00280	0.00010	0.005000	0	55.9	36.3	97.1	0.002908	3.93	50	
o-Cresol	0.00264	0.00010	0.005000	0	52.8	20.5	109	0.002702	2.28	50	
Phenanthrene	0.00320	0.00010	0.005000	0	64.0	55.9	107	0.003451	7.58	50	
Pyrene	0.00337	0.00010	0.005000	0	67.3	61.4	116	0.003544	5.12	50	
Surr: 2-Fluorobiphenyl	0.0146		0.02500		58.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0214		0.05000		42.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0162		0.02500		65.0	39.9	106		0	50	
Surr: Phenol-d5	0.0140		0.05000		28.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0179		0.02500		71.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: Ameren Champaign 624-0908-0120-J0002

Test Number: SW9014

Lab Order: 10050901

Report Date: 03-Jun-10

Sample ID: 10050901-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 136099			
Client ID: 4091-treated-5/20/10	Batch ID: R136099				Analysis Date: 5/25/2010			SeqNo: 2630967			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.901	0.350	0.5000	0.4457	91.0	75	125				
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Sample ID: 10050901-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 136099			
Client ID: 4091-treated-5/20/10	Batch ID: R136099				Analysis Date: 5/25/2010			SeqNo: 2630968			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	1.02	0.350	0.5000	0.4457	114.2	75	125	0.9008	12.1	15	
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Sample ID: MB-R136099	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 136099			
Client ID: ZZZZZZ	Batch ID: R136099				Analysis Date: 5/25/2010			SeqNo: 2630991			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R136099	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 136099			
Client ID: ZZZZZZ	Batch ID: R136099				Analysis Date: 5/25/2010			SeqNo: 2630992			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.096	0.035	0.1000	0	96.3	85	115				
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Sample ID: MB-R136099	SampType: MBLK	Units: mg/Kg			Prep Date:			RunNo: 136099			
Client ID: ZZZZZZ	Batch ID: R136099				Analysis Date: 5/25/2010			SeqNo: 2631616			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.010	0.010									
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Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9014

Sample ID: LCS-R136099		SampType: LCS		Units: mg/Kg		Prep Date:		RunNo: 136099			
Client ID: ZZZZZZ		Batch ID: R136099				Analysis Date: 5/25/2010		SeqNo: 2631617			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.096	0.050	0.1000	0	96.3	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

Project: Ameren Champaign 624-0908-0120-J0002

Lab Order: 10050901

Report Date: 03-Jun-10

RECEIVING CHECK LIST

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

20-May-10

Elizabeth A. Hurley

Reviewed by:

On:

21-May-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

1050901

TEKLAB, INC.
5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Ameren Campaign
Address: 308 N. 5th St.
City / State / Zip: Champaign, IL 61820
Contact: Pete Szazana Phone: 618-281-1575
E-Mail: psazana@pscmw.com Fax: 618-281-7020

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 3.6 °C
Preserved in: ☐ Lab ☒ Field FOR LAB USE ONLY
Lab Notes: SAH 5/20/10
th headspace - SAH 5/20/10
Comments: 1 DAY

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☒ No
- Are these samples known to be hazardous? ☐ Yes ☐ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

[illegible]

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

June 03, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10051109

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/26/2010 3:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads 'Heather A. White'.

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10051109

Report Date: 03-Jun-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10051109-001	26785-treated-5/26/10	5	5/26/2010 10:40:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10051109

Report Date: 03-Jun-10

Cooler Receipt Temp: 5.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10051109

Lab ID: 10051109-001

Report Date: 03-Jun-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-treated-5/26/10

Collection Date: 5/26/2010 10:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		10.4		1	5/26/2010 4:21:00 PM	KNS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		9	mg/L	1	5/28/2010 1:00:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		16	mg/L	1	5/27/2010 11:00:00 AM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	5/27/2010 12:04:32 PM	LAL
Barium	NELAP	0.0050		0.0583	mg/L	1	5/27/2010 12:04:32 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	5/27/2010 12:04:32 PM	LAL
Chromium	NELAP	0.0100	J	0.0079	mg/L	1	5/27/2010 12:04:32 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	5/27/2010 12:04:32 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	5/27/2010 12:04:32 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	5/27/2010 10:04:38 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200	J	0.0013	mg/L	1	5/27/2010 10:50:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
m,p-Cresol	NELAP	0.00010		0.00010	mg/L	1	5/27/2010 10:50:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	5/27/2010 10:50:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10051109

Lab ID: 10051109-001

Report Date: 03-Jun-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26785-treated-5/26/10

Collection Date: 5/26/2010 10:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		76.3	%REC	1	5/27/2010 10:50:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		54.1	%REC	1	5/27/2010 10:50:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		80.9	%REC	1	5/27/2010 10:50:00 AM	MAV
Surr: Phenol-d5		11-42.8		33.0	%REC	1	5/27/2010 10:50:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		79.0	%REC	1	5/27/2010 10:50:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	5/26/2010 8:00:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	5/26/2010 8:00:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	5/26/2010 8:00:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	5/26/2010 8:00:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		94.3	%REC	1	5/26/2010 8:00:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		108.3	%REC	1	5/26/2010 8:00:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		104.6	%REC	1	5/26/2010 8:00:00 PM	CCF
Surr: Toluene-d8		84.3-114		101.7	%REC	1	5/26/2010 8:00:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	5/27/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.350		0.394	mg/L	50	5/28/2010 11:05:15 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.350	S	0.413	mg/L	50	5/28/2010 11:05:15 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Method blank showed Bis(2-ethylhexyl)phthalate contamination, sample results are below reporting limits.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6249080120**Lab Order:** 10051109**Report Date:** 03-Jun-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10051109-001A	26785-treated-5/26/10	5/26/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/26/2010 5:18:16 PM	5/27/2010 10:50:00 AM
10051109-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		5/26/2010 4:21:00 PM
				Standard Methods 18th Ed. 2540 D		5/28/2010 1:00:00 PM
				Standard Methods 18th Ed. 5210 B	5/27/2010 11:00:00 AM	5/27/2010 11:00:00 AM
10051109-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	5/26/2010 4:17:00 PM	5/27/2010 12:04:32 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	5/26/2010 4:17:00 PM	5/27/2010 12:38:00 PM
				SW-846 3020A, Metals by GFAA (Total)	5/26/2010 4:16:00 PM	5/27/2010 10:04:38 AM
				SW-846 7470A (Total)	5/27/2010 8:41:06 AM	5/27/2010
10051109-001D				SW-846 9012A		5/28/2010 11:05:15 AM
				SW-846 9012A (Total)		5/28/2010 11:05:15 AM
10051109-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		5/26/2010 8:00:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MB-R136278		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 136278		
Client ID: ZZZZZZ		Batch ID: R136278					Analysis Date: 5/28/2010			SeqNo: 2636439	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R136278		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 136278		
Client ID: ZZZZZZ		Batch ID: R136278			Analysis Date: 5/28/2010			SeqNo: 2636440				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Sample ID: 10051109-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 136278		
Client ID: 26785-treated-5/26/1		Batch ID: R136278					Analysis Date: 5/28/2010			SeqNo: 2636443	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	9	6						9.000	0	15	
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Sample ID: LCSQC	SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 136278		
Client ID: ZZZZZZ	Batch ID: R136278			Analysis Date: 5/28/2010			SeqNo: 2636454				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCS-R136155		SampType: LCS			Units:		Prep Date:			RunNo: 136155		
Client ID: ZZZZZZ		Batch ID: R136155			Analysis Date: 5/26/2010			SeqNo: 2632869				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10051109-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 136155		
Client ID: 26785-treated-5/26/1		Batch ID: R136155				Analysis Date: 5/26/2010			SeqNo: 2634780		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	10.4	1.00						10.42	0.0959	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCS-60851	SampType: LCS	Units: mg/L			Prep Date: 5/27/2010			RunNo: 136373			
Client ID: ZZZZZZ	Batch ID: 60851	SOP 2030			Analysis Date: 5/27/2010			SeqNo: 2639441			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	227	5	198.0	0	114.6	84.6	115.4				
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Sample ID: 10051109-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 5/27/2010			RunNo: 136373			
Client ID: 26785-treated-5/26/1	Batch ID: 60851	SOP 2030			Analysis Date: 5/27/2010			SeqNo: 2639450			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	15	5						16.00	6.45	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MB-60804	SampType: MBLK	Units: mg/L			Prep Date: 5/26/2010			RunNo: 136172			
Client ID: ZZZZZZ	Batch ID: 60804	SOP 3034			Analysis Date: 5/27/2010			SeqNo: 2634173			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-60804	SampType: LCS	Units: mg/L			Prep Date: 5/26/2010			RunNo: 136172			
Client ID: ZZZZZZ	Batch ID: 60804	SOP 3034			Analysis Date: 5/27/2010			SeqNo: 2634176			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.5	85	115				
Barium	1.96	0.0050	2.000	0	97.8	85	115				
Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
Chromium	0.208	0.0100	0.2000	0	104.0	85	115				
Selenium	2.13	0.0500	2.000	0	106.6	85	115				
Silver	0.0522	0.0100	0.05000	0	104.4	85	115				

Sample ID: MB-60804	SampType: MBLK	Units: mg/L			Prep Date: 5/26/2010			RunNo: 136172			
Client ID: ZZZZZZ	Batch ID: 60804	SOP 3034			Analysis Date: 5/27/2010			SeqNo: 2634174			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCS-60804	SampType: LCS	Units: mg/L				Prep Date: 5/26/2010			RunNo: 136172		
Client ID: ZZZZZZ	Batch ID: 60804	SOP 3034				Analysis Date: 5/27/2010			SeqNo: 2634177		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.5	85	115				
Barium	1.96	0.0050	2.000	0	97.8	85	115				
Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
Chromium	0.208	0.0100	0.2000	0	104.0	85	115				
Selenium	2.13	0.0500	2.000	0	106.6	85	115				
Silver	0.0522	0.0100	0.05000	0	104.4	85	115				

Sample ID: 10051109-001CMS	SampType: MS	Units: mg/L				Prep Date: 5/26/2010			RunNo: 136172		
Client ID: 26785-treated-5/26/1	Batch ID: 60804	SOP 3034				Analysis Date: 5/27/2010			SeqNo: 2634180		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	104.8	75	125				
Barium	1.89	0.0050	2.000	0.05830	91.8	75	125				
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125				
Chromium	0.206	0.0100	0.2000	0.007900	98.9	75	125				
Selenium	2.10	0.0500	2.000	0	105.2	75	125				
Silver	0.0507	0.0100	0.05000	0	101.4	75	125				

Sample ID: 10051109-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 5/26/2010			RunNo: 136172		
Client ID: 26785-treated-5/26/1	Batch ID: 60804	SOP 3034				Analysis Date: 5/27/2010			SeqNo: 2634181		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.4	75	125	2.095	0.335	20	
Barium	1.89	0.0050	2.000	0.05830	91.8	75	125	1.894	0	20	
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125	0.04860	0	20	
Chromium	0.204	0.0100	0.2000	0.007900	97.9	75	125	0.2056	0.928	20	
Selenium	2.14	0.0500	2.000	0	106.8	75	125	2.104	1.56	20	
Silver	0.0492	0.0100	0.05000	0	98.4	75	125	0.05070	3.00	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MB-60792		SampType: MBLK		Units: mg/L		Prep Date: 5/26/2010			RunNo: 136173		
Client ID: ZZZZZZ		Batch ID: 60792		SOP 3044		Analysis Date: 5/26/2010			SeqNo: 2633581		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-60792		SampType: LCS			Units: mg/L		Prep Date: 5/26/2010			RunNo: 136173		
Client ID: ZZZZZZ		Batch ID: 60792			SOP 3044		Analysis Date: 5/26/2010			SeqNo: 2633583		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0127	0.0020	0.01500	0	84.4	80	120			
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Sample ID: 10051109-001CMS		SampType: MS		Units: mg/L		Prep Date: 5/26/2010			RunNo: 136174		
Client ID: 26785-treated-5/26/1		Batch ID: 60792		SOP 3044		Analysis Date: 5/27/2010			SeqNo: 2633614		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0154	0.0020	0.01500	0	102.4	70	130			
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Sample ID: 10051109-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 5/26/2010			RunNo: 136174		
Client ID: 26785-treated-5/26/1		Batch ID: 60792		SOP 3044		Analysis Date: 5/27/2010			SeqNo: 2633615		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0149	0.0020	0.01500	0	99.6	70	130	0.01536	2.80	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MB-60830	SampType: MBLK			Units: mg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: ZZZZZZ	Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634575		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-60830	SampType: LCS			Units: mg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: ZZZZZZ	Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634576		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00471	0.00020	0.005000	0	94.2	85	115				

Sample ID: 10051109-001CMS	SampType: MS			Units: mg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: 26785-treated-5/26/1	Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634582		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00437	0.00020	0.005000	0	87.4	75	125				

Sample ID: 10051109-001CMSD	SampType: MSD			Units: mg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: 26785-treated-5/26/1	Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634583		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00435	0.00020	0.005000	0	87.0	75	125	0.004370	0.459	15	

Sample ID: MB-60830	SampType: MBLK			Units: µg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: ZZZZZZ	Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634577		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCS-60830		SampType: LCS			Units: µg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: ZZZZZZ		Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634578		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	4.71	0.20	5.000	0	94.2	85	115				
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Sample ID: MB-60830		SampType: MBLK		Units: µg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: ZZZZZZ		Batch ID: 60830		SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634579		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-60830		SampType: LCS			Units: µg/L		Prep Date: 5/27/2010			RunNo: 136198		
Client ID: ZZZZZZ		Batch ID: 60830			SOP 3062		Analysis Date: 5/27/2010			SeqNo: 2634580		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	4.71	0.20	5.000	0	94.2	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCS-R100526-1	SampType: LCS	Units: µg/L			Prep Date: 5/26/2010			RunNo: 136185			
Client ID: ZZZZZZ	Batch ID: 60834	SW5030			Analysis Date: 5/26/2010			SeqNo: 2634195			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.3	2.0	50.00	0	92.5	82.7	117				
Ethylbenzene	45.5	5.0	50.00	0	91.1	83	113				
Toluene	46.4	5.0	50.00	0	92.7	79.6	116				
Xylenes, Total	139	5.0	150.0	0	92.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	54.3		50.00		108.5	74.7	129				
Surr: 4-Bromofluorobenzene	47.4		50.00		94.8	86	119				
Surr: Dibromofluoromethane	51.1		50.00		102.2	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.3	84.3	114				

Sample ID: LCSD-R100526-1	SampType: LCSD	Units: µg/L			Prep Date: 5/26/2010			RunNo: 136185			
Client ID: ZZZZZZ	Batch ID: 60834	SW5030			Analysis Date: 5/26/2010			SeqNo: 2634196			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.8	2.0	50.00	0	97.7	82.7	117	46.26	5.41	20	
Ethylbenzene	48.4	5.0	50.00	0	96.9	83	113	45.54	6.17	20	
Toluene	47.3	5.0	50.00	0	94.6	79.6	116	46.37	2.03	20	
Xylenes, Total	143	5.0	150.0	0	95.2	80.3	120	138.9	2.80	20	
Surr: 1,2-Dichloroethane-d4	54.1		50.00		108.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.8		50.00		97.6	86	119		0	0	
Surr: Dibromofluoromethane	51.1		50.00		102.2	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.3	84.3	114		0	0	

Sample ID: MBLK-R100526-1	SampType: MBLK	Units: µg/L			Prep Date: 5/26/2010			RunNo: 136185			
Client ID: ZZZZZZ	Batch ID: 60834	SW5030			Analysis Date: 5/26/2010			SeqNo: 2634197			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MBLK-R100526-1	SampType: MBLK	Units: µg/L			Prep Date: 5/26/2010			RunNo: 136185			
Client ID: ZZZZZZ	Batch ID: 60834	SW5030			Analysis Date: 5/26/2010			SeqNo: 2634197			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	46.9		50.00		93.9	74.7	129				
Surr: 4-Bromofluorobenzene	49.3		50.00		98.5	86	119				
Surr: Dibromofluoromethane	49.0		50.00		98.1	81.7	123				
Surr: Toluene-d8	49.6		50.00		99.3	84.3	114				

Sample ID: 10051109-001EMS		SampType: MS		Units: µg/L		Prep Date: 5/26/2010			RunNo: 136185		
Client ID: 26785-treated-5/26/1		Batch ID: 60834		SW5030		Analysis Date: 5/26/2010			SeqNo: 2634209		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	61.1	2.0	62.00	0	98.5	57.8	125				
Toluene	64.5	5.0	62.00	0	104.1	75.8	123				
Ethylbenzene	68.2	5.0	62.00	0	110.0	72.8	123				
Xylenes, Total	136	5.0	124.0	0	109.3	73	127				
Surr: 1,2-Dichloroethane-d4	49.0		50.00		98.0	74.7	129				
Surr: 4-Bromofluorobenzene	55.5		50.00		111.1	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.6	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.7	84.3	114				

Sample ID: 10051109-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 5/26/2010			RunNo: 136185		
Client ID: 26785-treated-5/26/1		Batch ID: 60834		SW5030		Analysis Date: 5/26/2010			SeqNo: 2634210		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	60.7	2.0	62.00	0	97.9	57.8	125	61.07	0.641	20	
Toluene	65.4	5.0	62.00	0	105.5	75.8	123	64.53	1.40	20	
Ethylbenzene	68.6	5.0	62.00	0	110.6	72.8	123	68.20	0.526	20	
Xylenes, Total	137	5.0	124.0	0	110.2	73	127	135.6	0.764	20	
Surr: 1,2-Dichloroethane-d4	48.6		50.00		97.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	55.0		50.00		110.0	86	119		0	0	
Surr: Dibromofluoromethane	50.7		50.00		101.4	81.7	123		0	0	
Surr: Toluene-d8	48.9		50.00		97.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MB-60808	SampType: MBLK	Units: mg/L			Prep Date: 5/26/2010			RunNo: 136181			
Client ID: ZZZZZZ	Batch ID: 60808	SW3510C			Analysis Date: 5/27/2010			SeqNo: 2633973			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	0.00624	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0161		0.02500		64.5	41.9	97.9				
Surr: 2-Fluorophenol	0.0267		0.05000		53.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.0189		0.02500		75.7	39.9	106				
Surr: Phenol-d5	0.0171		0.05000		34.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0199		0.02500		79.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCS-60808		SampType: LCS		Units: mg/L		Prep Date: 5/26/2010		RunNo: 136181			
Client ID: ZZZZZZ		Batch ID: 60808		SW3510C		Analysis Date: 5/27/2010		SeqNo: 2633974			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00299	0.00010	0.005000	0	59.9	50.1	103				
Acenaphthylene	0.00311	0.00010	0.005000	0	62.1	53.3	122				
Anthracene	0.00315	0.00010	0.005000	0	63.0	57.4	110				
Benzo(a)anthracene	0.00311	0.00010	0.005000	0	62.3	56	102				
Benzo(a)pyrene	0.00335	0.00010	0.005000	0	67.0	55.4	125				
Benzo(b)fluoranthene	0.00329	0.00010	0.005000	0	65.7	59.3	127				
Benzo(g,h,i)perylene	0.00383	0.00010	0.005000	0	76.6	58.4	125				
Benzo(k)fluoranthene	0.00343	0.00010	0.005000	0	68.5	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00452	0.00200	0.005000	0	90.4	63.2	152				B
Chrysene	0.00342	0.00010	0.005000	0	68.4	58.7	118				
Dibenzo(a,h)anthracene	0.00377	0.00010	0.005000	0	75.4	59.3	126				
Diethyl phthalate	0.00346	0.00100	0.005000	0	69.3	55.3	133				
Dimethyl phthalate	0.00347	0.00100	0.005000	0	69.4	55.7	112				
Di-n-butyl phthalate	0.00349	0.00100	0.005000	0	69.8	61.5	130				
Fluoranthene	0.00329	0.00010	0.005000	0	65.9	60.1	117				
Fluorene	0.00315	0.00010	0.005000	0	63.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00375	0.00010	0.005000	0	75.1	58.1	123				
m,p-Cresol	0.00273	0.00010	0.005000	0	54.6	17.9	107				
Naphthalene	0.00286	0.00010	0.005000	0	57.2	36.3	97.1				
o-Cresol	0.00291	0.00010	0.005000	0	58.2	20.5	109				
Phenanthrene	0.00327	0.00010	0.005000	0	65.4	55.9	107				
Pyrene	0.00328	0.00010	0.005000	0	65.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.0166		0.02500		66.3	41.9	97.9				
Surr: 2-Fluorophenol	0.0251		0.05000		50.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.0187		0.02500		75.0	39.9	106				
Surr: Phenol-d5	0.0164		0.05000		32.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.0196		0.02500		78.3	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: LCSD-60808		SampType: LCSD		Units: mg/L		Prep Date: 5/26/2010		RunNo: 136181			
Client ID: ZZZZZZ		Batch ID: 60808		SW3510C		Analysis Date: 5/27/2010		SeqNo: 2633975			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00307	0.00010	0.005000	0	61.3	50.1	103	0.002994	2.41	50	
Acenaphthylene	0.00314	0.00010	0.005000	0	62.9	53.3	122	0.003106	1.18	50	
Anthracene	0.00325	0.00010	0.005000	0	65.1	57.4	110	0.003150	3.25	50	
Benzo(a)anthracene	0.00323	0.00010	0.005000	0	64.7	56	102	0.003114	3.75	50	
Benzo(a)pyrene	0.00333	0.00010	0.005000	0	66.6	55.4	125	0.003348	0.599	50	
Benzo(b)fluoranthene	0.00338	0.00010	0.005000	0	67.5	59.3	127	0.003286	2.67	50	
Benzo(g,h,i)perylene	0.00388	0.00010	0.005000	0	77.6	58.4	125	0.003831	1.32	50	
Benzo(k)fluoranthene	0.00342	0.00010	0.005000	0	68.4	61.5	125	0.003426	0.146	50	
Bis(2-ethylhexyl)phthalate	0.00575	0.00200	0.005000	0	115.0	63.2	152	0.004518	24.0	50	B
Chrysene	0.00354	0.00010	0.005000	0	70.8	58.7	118	0.003421	3.45	50	
Dibenzo(a,h)anthracene	0.00380	0.00010	0.005000	0	76.0	59.3	126	0.003772	0.740	50	
Diethyl phthalate	0.00356	0.00100	0.005000	0	71.3	55.3	133	0.003465	2.82	40	
Dimethyl phthalate	0.00367	0.00100	0.005000	0	73.5	55.7	112	0.003468	5.74	40	
Di-n-butyl phthalate	0.00360	0.00100	0.005000	0	72.0	61.5	130	0.003492	2.99	50	
Fluoranthene	0.00334	0.00010	0.005000	0	66.7	60.1	117	0.003293	1.27	50	
Fluorene	0.00320	0.00010	0.005000	0	63.9	54.1	110	0.003152	1.35	50	
Indeno(1,2,3-cd)pyrene	0.00379	0.00010	0.005000	0	75.9	58.1	123	0.003754	1.03	50	
m,p-Cresol	0.00287	0.00010	0.005000	0	57.4	17.9	107	0.002728	5.00	50	
Naphthalene	0.00300	0.00010	0.005000	0	59.9	36.3	97.1	0.002860	4.64	50	
o-Cresol	0.00306	0.00010	0.005000	0	61.2	20.5	109	0.002911	4.96	50	
Phenanthrene	0.00338	0.00010	0.005000	0	67.6	55.9	107	0.003268	3.40	50	
Pyrene	0.00336	0.00010	0.005000	0	67.2	61.4	116	0.003277	2.50	50	
Surr: 2-Fluorobiphenyl	0.0167		0.02500		66.7	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0263		0.05000		52.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0194		0.02500		77.4	39.9	106		0	50	
Surr: Phenol-d5	0.0168		0.05000		33.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0196		0.02500		78.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10051109

Report Date: 03-Jun-10

Sample ID: MB-R136269		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136269		
Client ID: ZZZZZZ		Batch ID: R136269			Analysis Date: 5/28/2010			SeqNo: 2637395				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R136269		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 136269		
Client ID: ZZZZZZ		Batch ID: R136269			Analysis Date: 5/28/2010			SeqNo: 2637396				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.096	0.028	0.1000	0	95.6	90	110				
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Sample ID: 10051109-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 136269		
Client ID: 26785-treated-5/26/1		Batch ID: R136269					Analysis Date: 5/28/2010			SeqNo: 2636264	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.578	0.350	0.05000	0.4132	330.4	75	125				S
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Sample ID: 10051109-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 136269		
Client ID: 26785-treated-5/26/1		Batch ID: R136269					Analysis Date: 5/28/2010			SeqNo: 2636265	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.597	0.350	0.05000	0.4132	367.6	75	125	0.5784	3.17	15	S
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Sample ID: MB-R136269		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136269		
Client ID: ZZZZZZ		Batch ID: R136269			Analysis Date: 5/28/2010			SeqNo: 2636268				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10051109

Report Date: 03-Jun-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: LCS-R136269		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 136269		
Client ID: ZZZZZZ		Batch ID: R136269					Analysis Date: 5/28/2010		SeqNo: 2636269		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.028	0.007	0.02500	0	113.3	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10051109

Report Date: 03-Jun-10

Carrier: Pete Sazama

Received By: MLD

Completed by:

On:

26-May-10

Elizabeth A. Hurley

Reviewed by:

On:

27-May-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09892

10051109

Project Name: Ameren Campaign Project Mgr.: P. Szama

Project Number: 64-0908-0120 Cost Code: 5002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth) Date Time

26785-treated-5/26/10 5-26-10 1040

Matrix	Total Number of Containers			
	Soil	Water	Air	Wipes
Other *				

Analyses by Method Name and Number

BTEX	8260	X
SVOC	8270 SIMS	X
ACMA Metals		X
Total Arsenic		X
TSS		X
PH		X
BODs		X

Laboratory Temperature upon Receipt
5.4°C

DAV

Comments (Field PID)

Lab ID #'s

10051109-021

pres. ✓ EAH 5/26/10

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☒ Volatile Organics Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) Sodium Bisulfate/Methanol
- ☐ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃)
- ☒ Metals Nitric acid
- ☒ Cyanide Sodium hydroxide (NaOH)
- ☐ Other (Specify) _____

Lab Directives:

- Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
- Fax and/or Mail Results to: Pete Szama and Gerlie Hoosier
- Send Invoice to: _____
- QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
- Special Guidelines: _____
- Reporting Limits: _____
- * Special: _____

Shipping:

Carrier / Airbill No.

Requisitioned by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

June 15, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10060176

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 6/3/2010 10:54:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10060176

Report Date: 15-Jun-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10060176-001	4091-treated-6/2/10	5	6/2/2010 7:45:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10060176

Report Date: 15-Jun-10

Cooler Receipt Temp: 0.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10060176

Lab ID: 10060176-001

Report Date: 15-Jun-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-6/2/10

Collection Date: 6/2/2010 7:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		10.9		1	6/3/2010 1:39:00 PM	KNS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		9	mg/L	1	6/3/2010 2:30:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5	H	22	mg/L	1	6/9/2010 5:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	6/4/2010 12:35:09 PM	LAL
Barium	NELAP	0.0050		0.0916	mg/L	1	6/4/2010 12:35:09 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	6/4/2010 12:35:09 PM	LAL
Chromium	NELAP	0.0100	J	0.0093	mg/L	1	6/4/2010 12:35:09 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	6/4/2010 12:35:09 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	6/4/2010 12:35:09 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	6/4/2010 9:19:10 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
m,p-Cresol	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
o-Cresol	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	6/4/2010 11:28:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10060176

Lab ID: 10060176-001

Report Date: 15-Jun-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-6/2/10

Collection Date: 6/2/2010 7:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: 2-Fluorobiphenyl		41.1-108		72.5	%REC	1	6/4/2010 11:28:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		46.4	%REC	1	6/4/2010 11:28:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		76.5	%REC	1	6/4/2010 11:28:00 AM	MAV
Surr: Phenol-d5		11-42.8		30.7	%REC	1	6/4/2010 11:28:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		78.8	%REC	1	6/4/2010 11:28:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	6/3/2010 2:32:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	6/3/2010 2:32:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	6/3/2010 2:32:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	6/3/2010 2:32:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		91.9	%REC	1	6/3/2010 2:32:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		109.6	%REC	1	6/3/2010 2:32:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		105.5	%REC	1	6/3/2010 2:32:00 PM	CCF
Surr: Toluene-d8		84.3-114		95.9	%REC	1	6/3/2010 2:32:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	6/4/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		0.333	mg/L	10	6/7/2010 3:37:52 PM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.354	mg/L	10	6/9/2010 9:34:30 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Standard Methods 18th Ed. 5210 B

Sample required re-analysis out of hold time.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10060176-001A	4091-treated-6/2/10	6/2/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/3/2010 5:23:45 PM	6/4/2010 11:28:00 AM
10060176-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		6/3/2010 1:39:00 PM
				Standard Methods 18th Ed. 2540 D		6/3/2010 2:30:00 PM
				Standard Methods 18th Ed. 5210 B	6/3/2010 5:00:00 PM	6/3/2010 5:00:00 PM
				Standard Methods 18th Ed. 5210 B	6/9/2010 5:00:00 PM	6/9/2010 5:00:00 PM
10060176-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	6/3/2010 1:04:45 PM	6/4/2010 12:35:09 PM
				SW-846 3020A, Metals by GFAA (Total)	6/3/2010 3:28:33 PM	6/4/2010 9:19:10 AM
				SW-846 7470A (Total)	6/3/2010 1:39:14 PM	6/4/2010
10060176-001D				SW-846 9012A		6/7/2010 3:37:52 PM
				SW-846 9012A (Total)		6/9/2010 9:34:30 AM
10060176-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		6/3/2010 2:32:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: MB-R136428		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136428		
Client ID: ZZZZZZ		Batch ID: R136428			Analysis Date: 6/3/2010			SeqNo: 2641570				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: MB-R136428		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136428		
Client ID: ZZZZZZ		Batch ID: R136428			Analysis Date: 6/3/2010			SeqNo: 2640860				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R136428		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 136428		
Client ID: ZZZZZZ		Batch ID: R136428			Analysis Date: 6/3/2010			SeqNo: 2640861				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Sample ID: 10060176-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 136428		
Client ID: 4091-treated-6/2/10D		Batch ID: R136428					Analysis Date: 6/3/2010			SeqNo: 2640863	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	9	6						9.000	0	15	
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Sample ID: LCSQC	SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 136428				
Client ID: ZZZZZZ	Batch ID: R136428		Analysis Date: 6/3/2010		SeqNo: 2641569						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	101	6	100.0	0	101.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCS-R136413		SampType: LCS			Units:		Prep Date:			RunNo: 136413		
Client ID: ZZZZZZ		Batch ID: R136413			Analysis Date: 6/3/2010			SeqNo: 2640453				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.03	1.00	7.000	0	100.4	99.1	100.9
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Sample ID: LCS-R136413		SampType: LCS			Units:		Prep Date:			RunNo: 136413		
Client ID: ZZZZZZ		Batch ID: R136413			Analysis Date: 6/3/2010			SeqNo: 2640472				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9
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Sample ID: 10060176-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 136413			
Client ID: 4091-treated-6/2/10D		Batch ID: R136413				Analysis Date: 6/3/2010		SeqNo: 2640901			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	11.0	1.00						10.91	0.640	10
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Sample ID: LCS-R136413		SampType: LCS			Units:		Prep Date:			RunNo: 136413		
Client ID: ZZZZZZ		Batch ID: R136413			Analysis Date: 6/3/2010			SeqNo: 2641253				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	0	7.000	0	100	99.1	100.9
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCS-61095	SampType: LCS	Units: mg/L			Prep Date: 6/9/2010			RunNo: 136751			
Client ID: ZZZZZZ	Batch ID: 61095	SOP 2030			Analysis Date: 6/9/2010			SeqNo: 2649814			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	220	5	198.0	0	111.1	84.6	115.4				
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Sample ID: LCS-61095	SampType: LCS	Units: mg/L			Prep Date: 6/9/2010			RunNo: 136751			
Client ID: ZZZZZZ	Batch ID: 61095	SOP 2030			Analysis Date: 6/9/2010			SeqNo: 2649815			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	185	5	198.0	0	93.4	84.6	115.4				
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Sample ID: 10060176-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136751			
Client ID: 4091-treated-6/2/10D	Batch ID: 60978	SOP 2030			Analysis Date: 6/3/2010			SeqNo: 2649832			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	23	5						23.00	0	40	H
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: MB-60960	SampType: MBLK	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136454			
Client ID: ZZZZZZ	Batch ID: 60960	SOP 3034			Analysis Date: 6/4/2010			SeqNo: 2641727			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-60960	SampType: LCS	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136454			
Client ID: ZZZZZZ	Batch ID: 60960	SOP 3034			Analysis Date: 6/4/2010			SeqNo: 2641729			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.21	0.0250	2.000	0	110.7	85	115				
Barium	2.12	0.0050	2.000	0	106.2	85	115				
Cadmium	0.0537	0.0020	0.05000	0	107.4	85	115				
Chromium	0.224	0.0100	0.2000	0	111.9	85	115				
Selenium	2.28	0.0500	2.000	0	113.8	85	115				
Silver	0.0569	0.0100	0.05000	0	113.8	85	115				

Sample ID: MB-60960	SampType: MBLK	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136454			
Client ID: ZZZZZZ	Batch ID: 60960	SOP 3034			Analysis Date: 6/4/2010			SeqNo: 2641728			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCS-60960	SampType: LCS	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136454			
Client ID: ZZZZZZ	Batch ID: 60960	SOP 3034			Analysis Date: 6/4/2010			SeqNo: 2641730			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.21	0.0250	2.000	0	110.7	85	115				
Barium	2.12	0.0050	2.000	0	106.2	85	115				
Cadmium	0.0537	0.0020	0.05000	0	107.4	85	115				
Chromium	0.224	0.0100	0.2000	0	111.9	85	115				
Selenium	2.28	0.0500	2.000	0	113.8	85	115				
Silver	0.0569	0.0100	0.05000	0	113.8	85	115				

Sample ID: 10060176-001CMS		SampType: MS		Units: mg/L		Prep Date: 6/3/2010			RunNo: 136454		
Client ID: 4091-treated-6/2/10		Batch ID: 60960		SOP 3034		Analysis Date: 6/4/2010			SeqNo: 2641755		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.4	75	125				
Barium	1.96	0.0050	2.000	0.09160	93.6	75	125				
Cadmium	0.0483	0.0020	0.05000	0	96.6	75	125				
Chromium	0.211	0.0100	0.2000	0.009300	100.9	75	125				
Selenium	2.10	0.0500	2.000	0	104.8	75	125				
Silver	0.0515	0.0100	0.05000	0	103.0	75	125				

Sample ID: 10060176-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 6/3/2010			RunNo: 136454		
Client ID: 4091-treated-6/2/10	Batch ID: 60960	SOP 3034				Analysis Date: 6/4/2010			SeqNo: 2641756		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.6	75	125	2.088	3.07	20	
Barium	2.07	0.0050	2.000	0.09160	98.7	75	125	1.963	5.11	20	
Cadmium	0.0494	0.0020	0.05000	0	98.8	75	125	0.04830	2.25	20	
Chromium	0.224	0.0100	0.2000	0.009300	107.6	75	125	0.2111	6.15	20	
Selenium	2.29	0.0500	2.000	0	114.4	75	125	2.095	8.76	20	
Silver	0.0541	0.0100	0.05000	0	108.2	75	125	0.05150	4.92	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: MB-60961		SampType: MBLK		Units: mg/L		Prep Date: 6/3/2010			RunNo: 136445		
Client ID: ZZZZZZ		Batch ID: 60961		SOP 3044		Analysis Date: 6/4/2010			SeqNo: 2641368		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-60961		SampType: LCS		Units: mg/L		Prep Date: 6/3/2010			RunNo: 136445		
Client ID: ZZZZZZ		Batch ID: 60961		SOP 3044		Analysis Date: 6/4/2010			SeqNo: 2641369		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0162	0.0020	0.01500	0	108.1	80	120			
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Sample ID: 10060176-001CMS	SampType: MS	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136445			
Client ID: 4091-treated-6/2/10	Batch ID: 60961	SOP 3044			Analysis Date: 6/4/2010			SeqNo: 2641371			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0142	0.0020	0.01500	0	94.4	70	130			
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Sample ID: 10060176-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 6/3/2010			RunNo: 136445		
Client ID: 4091-treated-6/2/10		Batch ID: 60961		SOP 3044		Analysis Date: 6/4/2010			SeqNo: 2641372		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0156	0.0020	0.01500	0	103.7	70	130	0.01416	9.38	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: MB-60967		SampType: MBLK			Units: mg/L		Prep Date: 6/3/2010			RunNo: 136464		
Client ID: ZZZZZZ		Batch ID: 60967			SOP 3062		Analysis Date: 6/4/2010			SeqNo: 2641863		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-60967		SampType: LCS			Units: mg/L		Prep Date: 6/3/2010			RunNo: 136464		
Client ID: ZZZZZZ		Batch ID: 60967			SOP 3062		Analysis Date: 6/4/2010			SeqNo: 2641864		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00481	0.00020	0.005000	0	96.2	85	115				
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Sample ID: MB-60967	SampType: MBLK	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136464			
Client ID: ZZZZZZ	Batch ID: 60967	SOP 3062			Analysis Date: 6/4/2010			SeqNo: 2641872			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-60967		SampType: LCS			Units: mg/L		Prep Date: 6/3/2010			RunNo: 136464		
Client ID: ZZZZZZ		Batch ID: 60967			SOP 3062		Analysis Date: 6/4/2010			SeqNo: 2641873		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00481	0.00020	0.005000	0	96.2	85	115				
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Sample ID: 10060176-001CMS		SampType: MS		Units: mg/L		Prep Date: 6/3/2010		RunNo: 136464			
Client ID: 4091-treated-6/2/10		Batch ID: 60967		SOP 3062		Analysis Date: 6/4/2010		SeqNo: 2641875			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00438	0.00020	0.005000	0	87.6	75	125				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: 10060176-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 6/3/2010		RunNo: 136464			
Client ID: 4091-treated-6/2/10		Batch ID: 60967		SOP 3062		Analysis Date: 6/4/2010		SeqNo: 2641876			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00440	0.00020	0.005000	0	88.0	75	125	0.004380	0.456	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCS-R100603-1		SampType: LCS		Units: µg/L		Prep Date: 6/3/2010		RunNo: 136455			
Client ID: ZZZZZZ		Batch ID: 60990		SW5030		Analysis Date: 6/3/2010		SeqNo: 2641586			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.9	2.0	50.00	0	103.8	82.7	117				
Ethylbenzene	48.1	5.0	50.00	0	96.2	83	113				
Toluene	48.8	5.0	50.00	0	97.5	79.6	116				
Xylenes, Total	144	5.0	150.0	0	96.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.5	86	119				
Surr: Dibromofluoromethane	51.8		50.00		103.6	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.4	84.3	114				

Sample ID: LCSD-R100603-1		SampType: LCSD		Units: µg/L		Prep Date: 6/3/2010		RunNo: 136455			
Client ID: ZZZZZZ		Batch ID: 60990		SW5030		Analysis Date: 6/3/2010		SeqNo: 2641587			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.2	2.0	50.00	0	100.3	82.7	117	51.90	3.43	20	
Ethylbenzene	45.8	5.0	50.00	0	91.7	83	113	48.08	4.77	20	
Toluene	47.2	5.0	50.00	0	94.4	79.6	116	48.77	3.25	20	
Xylenes, Total	139	5.0	150.0	0	92.8	80.3	120	144.4	3.59	20	
Surr: 1,2-Dichloroethane-d4	51.9		50.00		103.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.3		50.00		98.6	86	119		0	0	
Surr: Dibromofluoromethane	52.6		50.00		105.1	81.7	123		0	0	
Surr: Toluene-d8	48.8		50.00		97.7	84.3	114		0	0	

Sample ID: MBLK-R100603-1		SampType: MBLK		Units: µg/L		Prep Date: 6/3/2010		RunNo: 136455			
Client ID: ZZZZZZ		Batch ID: 60990		SW5030		Analysis Date: 6/3/2010		SeqNo: 2641589			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: MBLK-R100603-1		SampType: MBLK		Units: µg/L		Prep Date: 6/3/2010		RunNo: 136455			
Client ID: ZZZZZZ		Batch ID: 60990		SW5030		Analysis Date: 6/3/2010		SeqNo: 2641589			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	48.0		50.00		96.0	74.7	129				
Surr: 4-Bromofluorobenzene	53.1		50.00		106.2	86	119				
Surr: Dibromofluoromethane	51.0		50.00		102.0	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.6	84.3	114				

Sample ID: 10060176-001EMS		SampType: MS		Units: µg/L		Prep Date: 6/3/2010		RunNo: 136455			
Client ID: 4091-treated-6/2/10		Batch ID: 60990		SW5030		Analysis Date: 6/3/2010		SeqNo: 2641592			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	57.9	2.0	62.00	0	93.4	57.8	125				
Toluene	63.2	5.0	62.00	0	101.9	75.8	123				
Ethylbenzene	65.3	5.0	62.00	0	105.3	72.8	123				
Xylenes, Total	131	5.0	124.0	0	105.8	73	127				
Surr: 1,2-Dichloroethane-d4	48.2		50.00		96.3	74.7	129				
Surr: 4-Bromofluorobenzene	54.6		50.00		109.1	86	119				
Surr: Dibromofluoromethane	51.3		50.00		102.6	81.7	123				
Surr: Toluene-d8	48.0		50.00		95.9	84.3	114				

Sample ID: 10060176-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 6/3/2010		RunNo: 136455			
Client ID: 4091-treated-6/2/10		Batch ID: 60990		SW5030		Analysis Date: 6/3/2010		SeqNo: 2641593			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	58.4	2.0	62.00	0	94.3	57.8	125	57.92	0.911	20	
Toluene	64.6	5.0	62.00	0	104.2	75.8	123	63.17	2.25	20	
Ethylbenzene	66.1	5.0	62.00	0	106.7	72.8	123	65.31	1.26	20	
Xylenes, Total	132	5.0	124.0	0	106.5	73	127	131.2	0.638	20	
Surr: 1,2-Dichloroethane-d4	46.9		50.00		93.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	55.5		50.00		111.0	86	119		0	0	
Surr: Dibromofluoromethane	50.3		50.00		100.6	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: MB-60975	SampType: MBLK	Units: mg/L			Prep Date: 6/3/2010			RunNo: 136462			
Client ID: ZZZZZZ	Batch ID: 60975	SW3510C			Analysis Date: 6/4/2010			SeqNo: 2641736			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0.00200									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Diethyl phthalate	ND	0.00100									
Dimethyl phthalate	ND	0.00100									
Di-n-butyl phthalate	ND	0.00100									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
m,p-Cresol	ND	0.00010									
Naphthalene	ND	0.00010									
o-Cresol	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00311		0.005000		62.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00559		0.01000		55.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106				
Surr: Phenol-d5	0.00346		0.01000		34.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00406		0.005000		81.1	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCS-60975	SampType: LCS	Units: mg/L				Prep Date: 6/3/2010			RunNo: 136462		
Client ID: ZZZZZZ	Batch ID: 60975	SW3510C				Analysis Date: 6/4/2010			SeqNo: 2641737		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00335	0.00010	0.005000	0	67.0	50.1	103				
Acenaphthylene	0.00342	0.00010	0.005000	0	68.3	53.3	122				
Anthracene	0.00353	0.00010	0.005000	0	70.6	57.4	110				
Benzo(a)anthracene	0.00350	0.00010	0.005000	0	69.9	56	102				
Benzo(a)pyrene	0.00373	0.00010	0.005000	0	74.6	55.4	125				
Benzo(b)fluoranthene	0.00375	0.00010	0.005000	0	75.0	59.3	127				
Benzo(g,h,i)perylene	0.00436	0.00010	0.005000	0	87.2	58.4	125				
Benzo(k)fluoranthene	0.00376	0.00010	0.005000	0	75.3	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00456	0.00200	0.005000	0	91.1	63.2	152				
Chrysene	0.00382	0.00010	0.005000	0	76.4	58.7	118				
Dibenzo(a,h)anthracene	0.00422	0.00010	0.005000	0	84.3	59.3	126				
Diethyl phthalate	0.00396	0.00100	0.005000	0	79.2	55.3	133				
Dimethyl phthalate	0.00396	0.00100	0.005000	0	79.1	55.7	112				
Di-n-butyl phthalate	0.00409	0.00100	0.005000	0	81.7	61.5	130				
Fluoranthene	0.00360	0.00010	0.005000	0	72.1	60.1	117				
Fluorene	0.00340	0.00010	0.005000	0	67.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00417	0.00010	0.005000	0	83.3	58.1	123				
m,p-Cresol	0.00314	0.00010	0.005000	0	62.9	17.9	107				
Naphthalene	0.00316	0.00010	0.005000	0	63.1	36.3	97.1				
o-Cresol	0.00332	0.00010	0.005000	0	66.4	20.5	109				
Phenanthrene	0.00363	0.00010	0.005000	0	72.6	55.9	107				
Pyrene	0.00367	0.00010	0.005000	0	73.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00322		0.005000		64.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00543		0.01000		54.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00438		0.005000		87.6	39.9	106				
Surr: Phenol-d5	0.00339		0.01000		33.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00397		0.005000		79.5	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCSD-60975		SampType: LCSD		Units: mg/L		Prep Date: 6/3/2010		RunNo: 136462			
Client ID: ZZZZZZ		Batch ID: 60975		SW3510C		Analysis Date: 6/4/2010		SeqNo: 2641738			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00348	0.00010	0.005000	0	69.6	50.1	103	0.003351	3.83	50	
Acenaphthylene	0.00346	0.00010	0.005000	0	69.2	53.3	122	0.003416	1.28	50	
Anthracene	0.00353	0.00010	0.005000	0	70.7	57.4	110	0.003529	0.142	50	
Benzo(a)anthracene	0.00348	0.00010	0.005000	0	69.6	56	102	0.003496	0.516	50	
Benzo(a)pyrene	0.00376	0.00010	0.005000	0	75.3	55.4	125	0.003729	0.908	50	
Benzo(b)fluoranthene	0.00375	0.00010	0.005000	0	75.1	59.3	127	0.003751	0.0799	50	
Benzo(g,h,i)perylene	0.00433	0.00010	0.005000	0	86.6	58.4	125	0.004358	0.621	50	
Benzo(k)fluoranthene	0.00372	0.00010	0.005000	0	74.3	61.5	125	0.003764	1.26	50	
Bis(2-ethylhexyl)phthalate	0.00429	0.00200	0.005000	0	85.7	63.2	152	0.004557	6.13	50	
Chrysene	0.00386	0.00010	0.005000	0	77.2	58.7	118	0.003819	1.07	50	
Dibenzo(a,h)anthracene	0.00430	0.00010	0.005000	0	86.0	59.3	126	0.004216	1.95	50	
Diethyl phthalate	0.00398	0.00100	0.005000	0	79.6	55.3	133	0.003958	0.579	40	
Dimethyl phthalate	0.00390	0.00100	0.005000	0	77.9	55.7	112	0.003957	1.55	40	
Di-n-butyl phthalate	0.00400	0.00100	0.005000	0	80.1	61.5	130	0.004087	2.03	50	
Fluoranthene	0.00377	0.00010	0.005000	0	75.4	60.1	117	0.003605	4.47	50	
Fluorene	0.00348	0.00010	0.005000	0	69.7	54.1	110	0.003397	2.50	50	
Indeno(1,2,3-cd)pyrene	0.00424	0.00010	0.005000	0	84.9	58.1	123	0.004166	1.83	50	
m,p-Cresol	0.00315	0.00010	0.005000	0	63.0	17.9	107	0.003144	0.127	50	
Naphthalene	0.00318	0.00010	0.005000	0	63.6	36.3	97.1	0.003155	0.821	50	
o-Cresol	0.00334	0.00010	0.005000	0	66.8	20.5	109	0.003321	0.511	50	
Phenanthrene	0.00368	0.00010	0.005000	0	73.6	55.9	107	0.003630	1.37	50	
Pyrene	0.00370	0.00010	0.005000	0	74.0	61.4	116	0.003670	0.841	50	
Surr: 2-Fluorobiphenyl	0.00326		0.005000		65.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00548		0.01000		54.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00436		0.005000		87.2	39.9	106		0	50	
Surr: Phenol-d5	0.00328		0.01000		32.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00406		0.005000		81.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: LCS-R136614		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 136614		
Client ID: ZZZZZZ		Batch ID: R136614			Analysis Date: 6/7/2010			SeqNo: 2646108				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.023	0.007	0.02500	0	91.2	85	115				
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Sample ID: MB-R136614		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136614		
Client ID: ZZZZZZ		Batch ID: R136614			Analysis Date: 6/7/2010			SeqNo: 2646124				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R136614		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 136614		
Client ID: ZZZZZZ		Batch ID: R136614			Analysis Date: 6/7/2010			SeqNo: 2646125				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.021	0.007	0.02500	0	85.1	85	115				
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Sample ID: MB-R136614		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136614		
Client ID: ZZZZZZ		Batch ID: R136614			Analysis Date: 6/7/2010			SeqNo: 2646127				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: 10060176-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 136638		
Client ID: 4091-treated-6/2/10		Batch ID: R136638			Analysis Date: 6/9/2010			SeqNo: 2647149				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.418	0.070	0.05000	0.3544	127.8	75	125				S
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10060176

Report Date: 15-Jun-10

Sample ID: 10060176-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 136638		
Client ID: 4091-treated-6/2/10		Batch ID: R136638					Analysis Date: 6/9/2010			SeqNo: 2647150	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.402	0.070	0.05000	0.3544	94.6	75	125	0.4183	4.05	15	

Sample ID: MB-R136638		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 136638		
Client ID: ZZZZZZ		Batch ID: R136638			Analysis Date: 6/7/2010			SeqNo: 2647212				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R136638	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 136638			
Client ID: ZZZZZZ	Batch ID: R136638					Analysis Date: 6/7/2010				SeqNo: 2647213			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Cyanide	0.021	0.007	0.02500	0	85.1	85	115						

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10060176

Report Date: 15-Jun-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

03-Jun-10

Marvin L. Darling

Reviewed by:

On:

03-Jun-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 0.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09893

10060176

Project Name: Ameren Champaign Project Mgr.: Pete Szarna

Project Number: 044-0908-0120 Cost Code: 7002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth) 4091-1 treated - 6/2/10 Date 6/2/10 Time 0745

Matrix	Analyses by Method Name and Number			
	Soil	Water	Air	Wipes
Other *				

X	BTEX 8260	X	SVC 8270 SWS	X	ACCA Metals	X	Total + Anionals	X	Cyanide	X	TS	X	PH	X	BODs
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Total Number of Containers 1

Comments (Field PID)

1 DAY

Lab ID #'s

10060176-221

Laboratory Temperature upon Receipt
0.6 °C

Teklab, Inc.
Courier Pick Up
10060176-221

Comments (Field PID)

Lab ID #'s

10060176-221

Comments (Field PID)

Lab ID #'s

Comments (Field PID)

Lab ID #'s

Comments (Field PID)

Lab ID #'s

Comments (Field PID)

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Comments (Field PID)

Lab ID #'s

Comments (Field PID)

Lab ID #'s

Comments (Field PID)

Lab ID #'s

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: Pete Szarna and Leslie Hoover

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

July 20, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070437

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/12/2010 5:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070437

Report Date: 20-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070437-001	26782-treated-7/12/10	5	7/12/2010 10:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070437

Report Date: 20-Jul-10

Cooler Receipt Temp: 3.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070437

Lab ID: 10070437-001

Report Date: 20-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26782-treated-7/12/10

Collection Date: 7/12/2010 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.85		1	7/13/2010 2:13:00 PM	CS
<u>STANDARD METHODS 4500-CN C G</u>								
Cyanide, Amenable to Chlorination		0.005		0.052	mg/L	1	7/13/2010	SUB
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	6	mg/L	1	7/13/2010 10:30:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		24	mg/L	1	7/12/2010 5:40:00 PM	AKG
<u>STANDARD METHODS 4500-CN C E</u>								
Cyanide, Total		0.005		0.248	mg/L	1	7/13/2010	SUB
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/13/2010 10:16:34 AM	LAL
Barium	NELAP	0.0050		0.0493	mg/L	1	7/13/2010 10:16:34 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/13/2010 10:16:34 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/13/2010 10:16:34 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/13/2010 10:16:34 AM	LAL
Silver	NELAP	0.0100	J	0.0036	mg/L	1	7/13/2010 10:16:34 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	7/13/2010 8:26:04 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Acenaphthylene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Anthracene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Chrysene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Fluoranthene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Fluorene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Phenanthrene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Pyrene	NELAP	0.00010	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Total PNAs except Naphthalene		0.00013	B	ND	mg/L	1	7/13/2010 11:29:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		71.4	%REC	1	7/13/2010 11:29:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		44.8	%REC	1	7/13/2010 11:29:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070437

Lab ID: 10070437-001

Report Date: 20-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 26782-treated-7/12/10

Collection Date: 7/12/2010 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105		61.8	%REC	1	7/13/2010 11:29:00 AM	MAM
Surr: Phenol-d5		11-42.8		28.4	%REC	1	7/13/2010 11:29:00 AM	MAM
Surr: p-Terphenyl-d14		49-113		77.1	%REC	1	7/13/2010 11:29:00 AM	MAM
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/12/2010 7:10:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/12/2010 7:10:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/12/2010 7:10:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/12/2010 7:10:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		88.8	%REC	1	7/12/2010 7:10:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		105.4	%REC	1	7/12/2010 7:10:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		89.3	%REC	1	7/12/2010 7:10:00 PM	CCF
Surr: Toluene-d8		84.3-114		103.4	%REC	1	7/12/2010 7:10:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/13/2010	MEK

Sample Narrative

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results.

Standard Methods 4500-CN C G

Analysis performed by First Environmental Laboratories, Inc.

Standard Methods 4500-CN C E

Analysis performed by First Environmental Laboratories, Inc.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Method blank was contaminated. Sample results were below the reporting limit, data is reportable.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10070437**Report Date:** 20-Jul-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070437-001A	26782-treated-7/12/10	7/12/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/13/2010 11:00:00 AM	7/13/2010 11:29:00 AM
10070437-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/13/2010 2:13:00 PM
				Standard Methods 18th Ed. 2540 D		7/13/2010 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	7/12/2010 5:40:00 PM	7/12/2010 5:40:00 PM
10070437-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/12/2010 6:00:00 PM	7/13/2010 10:16:34 AM
				SW-846 3020A, Metals by GFAA (Total)	7/12/2010 6:06:35 PM	7/13/2010 8:26:04 AM
				SW-846 7470A (Total)	7/13/2010 7:14:24 AM	7/13/2010
10070437-001D				Standard Methods 4500-CN C G		7/13/2010
				Standard Methods 4500-CN C E		7/13/2010
10070437-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/12/2010 7:10:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070437

Report Date: 20-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R137755		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 137755		
Client ID: ZZZZZZ		Batch ID: R137755		Analysis Date: 7/13/2010						SeqNo: 2673594	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6
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Sample ID: LCS-R137755		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 137755		
Client ID: ZZZZZZ		Batch ID: R137755			Analysis Date: 7/13/2010			SeqNo: 2673595				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 137755		
Client ID: ZZZZZZ		Batch ID: R137755			Analysis Date: 7/13/2010			SeqNo: 2673615				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 137755		
Client ID: ZZZZZZ		Batch ID: R137755			Analysis Date: 7/13/2010			SeqNo: 2673636				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115
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Sample ID: MB-R137755	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 137755			
Client ID: ZZZZZZ	Batch ID: R137755				Analysis Date: 7/13/2010			SeqNo: 2673672			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070437

Report Date: 20-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: 10070437-001BDUP		SampType: DUP		Units: mg/L		Prep Date:		RunNo: 137755			
Client ID: 26782-treated-7/12/1		Batch ID: R137755				Analysis Date: 7/13/2010		SeqNo: 2673865			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	7	6						6.000	15.4	15	R

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-CN CE

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MB-R137763		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 137763		
Client ID: ZZZZZZ		Batch ID: R137763			Analysis Date: 7/13/2010			SeqNo: 2673858				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	< 0.005	0.005									
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Sample ID: LCS-R137763		SampType: LCS		Units: mg/L		Prep Date:			RunNo: 137763		
Client ID: ZZZZZZ		Batch ID: R137763					Analysis Date: 7/13/2010			SeqNo: 2673859	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Total	0.962	0.005	1.000	0	96.2	80	120				
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Sample ID: MB-R137763	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 137763			
Client ID: ZZZZZZ	Batch ID: R137763				Analysis Date: 7/13/2010			SeqNo: 2673860			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Total	< 0.005	0.005									
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Sample ID: LCS-R137763		SampType: LCS		Units: mg/L		Prep Date:			RunNo: 137763		
Client ID: ZZZZZZ		Batch ID: R137763					Analysis Date: 7/13/2010			SeqNo: 2673861	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Total	0.962	0.005	1.000	0	96.2	80	120				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: LCS-R137761		SampType: LCS			Units:		Prep Date:		RunNo: 137761		
Client ID: ZZZZZZ		Batch ID: R137761					Analysis Date: 7/13/2010		SeqNo: 2673828		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10070437-001BDUP		SampType: DUP			Units:		Prep Date:		RunNo: 137761		
Client ID: 26782-treated-7/12/1		Batch ID: R137761					Analysis Date: 7/13/2010		SeqNo: 2673830		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.88	1.00						9.850	0.304	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: LCS-61706	SampType: LCS	Units: mg/L			Prep Date: 7/12/2010			RunNo: 137929			
Client ID: ZZZZZZ	Batch ID: 61706	SOP 2030			Analysis Date: 7/12/2010			SeqNo: 2677574			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	184	5	198.0	0	92.9	84.6	115.4				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MB-61697	SampType: MBLK	Units: mg/L			Prep Date: 7/12/2010			RunNo: 137731			
Client ID: ZZZZZZ	Batch ID: 61697	SOP 3034			Analysis Date: 7/13/2010			SeqNo: 2673367			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61697		SampType: LCS		Units: mg/L		Prep Date: 7/12/2010			RunNo: 137731		
Client ID: ZZZZZZ		Batch ID: 61697		SOP 3034		Analysis Date: 7/13/2010			SeqNo: 2673370		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.4	85	115				
Cadmium	0.0526	0.0020	0.05000	0	105.2	85	115				
Chromium	0.218	0.0100	0.2000	0	109.0	85	115				

Sample ID: MB-61697	SampType: MBLK	Units: mg/L			Prep Date: 7/12/2010			RunNo: 137731			
Client ID: ZZZZZZ	Batch ID: 61697	SOP 3034			Analysis Date: 7/13/2010			SeqNo: 2673368			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61697	SampType: LCS	Units: mg/L				Prep Date: 7/12/2010				RunNo: 137731		
Client ID: ZZZZZZ	Batch ID: 61697	SOP 3034				Analysis Date: 7/13/2010				SeqNo: 2673371		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	2.15	0.0250	2.000	0	107.4	85	115					
Barium	2.02	0.0050	2.000	0	100.9	85	115					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: LCS-61697	SampType: LCS	Units: mg/L				Prep Date: 7/12/2010			RunNo: 137731		
Client ID: ZZZZZZ	Batch ID: 61697	SOP 3034				Analysis Date: 7/13/2010			SeqNo: 2673371		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0526	0.0020	0.05000	0	105.2	85	115				
Chromium	0.218	0.0100	0.2000	0	109.0	85	115				
Selenium	2.12	0.0500	2.000	0	106.2	85	115				
Silver	0.0555	0.0100	0.05000	0	111.0	85	115				

Sample ID: 10070437-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/12/2010			RunNo: 137731		
Client ID: 26782-treated-7/12/1	Batch ID: 61697	SOP 3034				Analysis Date: 7/13/2010			SeqNo: 2673374		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.18	0.0250	2.000	0	109.0	75	125				
Barium	2.02	0.0050	2.000	0.04930	98.3	75	125				
Cadmium	0.0510	0.0020	0.05000	0	102.0	75	125				
Chromium	0.211	0.0100	0.2000	0	105.3	75	125				
Selenium	2.14	0.0500	2.000	0	107.2	75	125				
Silver	0.0520	0.0100	0.05000	0.003600	96.8	75	125				

Sample ID: 10070437-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/12/2010			RunNo: 137731		
Client ID: 26782-treated-7/12/1	Batch ID: 61697	SOP 3034				Analysis Date: 7/13/2010			SeqNo: 2673375		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.16	0.0250	2.000	0	107.9	75	125	2.181	1.06	20	
Barium	2.00	0.0050	2.000	0.04930	97.5	75	125	2.016	0.847	20	
Cadmium	0.0507	0.0020	0.05000	0	101.4	75	125	0.05100	0.590	20	
Chromium	0.211	0.0100	0.2000	0	105.4	75	125	0.2106	0.142	20	
Selenium	2.14	0.0500	2.000	0	107.0	75	125	2.145	0.280	20	
Silver	0.0542	0.0100	0.05000	0.003600	101.2	75	125	0.05200	4.14	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MB-61697	SampType: MBLK	Units: mg/L				Prep Date: 7/12/2010				RunNo: 137794		
Client ID: ZZZZZZ	Batch ID: 61697	SOP 3034				Analysis Date: 7/14/2010				SeqNo: 2674828		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.0041	0.0100	0.01000	0	41.0	-100	100				J	

Sample ID: LCS-61697	SampType: LCS	Units: mg/L			Prep Date: 7/12/2010			RunNo: 137794			
Client ID: ZZZZZZ	Batch ID: 61697	SOP 3034			Analysis Date: 7/14/2010			SeqNo: 2674829			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.202	0.0100	0.2000	0	101.2	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MB-61699		SampType: MBLK		Units: mg/L		Prep Date: 7/12/2010			RunNo: 137735		
Client ID: ZZZZZZ		Batch ID: 61699		SOP 3044		Analysis Date: 7/13/2010			SeqNo: 2673228		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61699		SampType: LCS			Units: mg/L		Prep Date: 7/12/2010			RunNo: 137735		
Client ID: ZZZZZZ		Batch ID: 61699			SOP 3044		Analysis Date: 7/13/2010			SeqNo: 2673229		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0166	0.0020	0.01500	0	110.6	80	120			
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Sample ID: 10070437-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/12/2010			RunNo: 137735		
Client ID: 26782-treated-7/12/1		Batch ID: 61699		SOP 3044		Analysis Date: 7/13/2010			SeqNo: 2673232		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0142	0.0020	0.01500	0	94.5	70	130	0.01582	10.9	20
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Sample ID: 10070437-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/12/2010			RunNo: 137735		
Client ID: 26782-treated-7/12/1		Batch ID: 61699		SOP 3044		Analysis Date: 7/13/2010			SeqNo: 2673255		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0158	0.0020	0.01500	0	105.5	70	130			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MB-61708		SampType: MBLK		Units: mg/L		Prep Date: 7/13/2010			RunNo: 137742		
Client ID: ZZZZZZ		Batch ID: 61708		SOP 3062		Analysis Date: 7/13/2010			SeqNo: 2673485		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-61708		SampType: LCS			Units: mg/L		Prep Date: 7/13/2010			RunNo: 137742		
Client ID: ZZZZZZ		Batch ID: 61708			SOP 3062		Analysis Date: 7/13/2010			SeqNo: 2673486		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00524	0.00020	0.005000	0	104.8	85	115				
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Sample ID: 10070437-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/13/2010			RunNo: 137742		
Client ID: 26782-treated-7/12/1		Batch ID: 61708		SOP 3062		Analysis Date: 7/13/2010			SeqNo: 2673490		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00545	0.00020	0.005000	0	109.0	75	125				
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Sample ID: 10070437-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/13/2010			RunNo: 137742		
Client ID: 26782-treated-7/12/1		Batch ID: 61708		SOP 3062		Analysis Date: 7/13/2010			SeqNo: 2673491		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00545	0.00020	0.005000	0	109.0	75	125	0.005450	0	15	
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Sample ID: MB-61708		SampType: MBLK		Units: µg/L		Prep Date: 7/13/2010		RunNo: 137742			
Client ID: ZZZZZZ		Batch ID: 61708		SOP 3062		Analysis Date: 7/13/2010		SeqNo: 2673487			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: LCS-61708		SampType: LCS			Units: µg/L		Prep Date: 7/13/2010		RunNo: 137742		
Client ID: ZZZZZZ		Batch ID: 61708			SOP 3062		Analysis Date: 7/13/2010		SeqNo: 2673488		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.24	0.20	5.000	0	104.8	85	115				

Benzene	ND	2.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
Xylenes, Total	ND	5.0

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MBLK-N100712-1	SampType: MBLK	Units: µg/L				Prep Date: 7/12/2010			RunNo: 137745		
Client ID: ZZZZZZ	Batch ID: 61711	SW5030				Analysis Date: 7/12/2010			SeqNo: 2673405		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.9		50.00		87.9	74.7	129				
Surr: 4-Bromofluorobenzene	53.3		50.00		106.6	86	119				
Surr: Dibromofluoromethane	44.5		50.00		89.1	81.7	123				
Surr: Toluene-d8	51.5		50.00		103.0	84.3	114				

Sample ID: 10070437-001EMS	SampType: MS	Units: µg/L				Prep Date: 7/12/2010			RunNo: 137745		
Client ID: 26782-treated-7/12/1	Batch ID: 61711	SW5030				Analysis Date: 7/12/2010			SeqNo: 2673411		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.3	2.0	48.00	0	102.7	57.8	125				
Toluene	53.4	5.0	48.00	0	111.3	75.8	123				
Ethylbenzene	54.0	5.0	48.00	0	112.5	72.8	123				
Xylenes, Total	106	5.0	96.00	0	110.6	73	127				
Surr: 1,2-Dichloroethane-d4	42.8		50.00		85.6	74.7	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.3	86	119				
Surr: Dibromofluoromethane	42.4		50.00		84.7	81.7	123				
Surr: Toluene-d8	51.3		50.00		102.6	84.3	114				

Sample ID: 10070437-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 7/12/2010			RunNo: 137745		
Client ID: 26782-treated-7/12/1	Batch ID: 61711	SW5030				Analysis Date: 7/12/2010			SeqNo: 2673412		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.8	2.0	48.00	0	103.8	57.8	125	49.30	1.07	20	
Toluene	54.1	5.0	48.00	0	112.8	75.8	123	53.41	1.32	20	
Ethylbenzene	54.2	5.0	48.00	0	112.9	72.8	123	54.01	0.296	20	
Xylenes, Total	108	5.0	96.00	0	112.7	73	127	106.2	1.86	20	
Surr: 1,2-Dichloroethane-d4	42.5		50.00		84.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.2		50.00		104.3	86	119		0	0	
Surr: Dibromofluoromethane	42.3		50.00		84.5	81.7	123		0	0	
Surr: Toluene-d8	51.8		50.00		103.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: MB-61694	SampType: MBLK	Units: mg/L	Prep Date: 7/12/2010	RunNo: 137746							
Client ID: ZZZZZZ	Batch ID: 61694	SW3510C	Analysis Date: 7/13/2010	SeqNo: 2673391							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00012	0.00010									
Acenaphthylene	0.00011	0.00010									
Anthracene	0.00015	0.00010									
Benzo(a)anthracene	0.00016	0.00010									
Benzo(a)pyrene	0.00014	0.00010									
Benzo(b)fluoranthene	0.00014	0.00010									
Benzo(g,h,i)perylene	0.00014	0.00010									
Benzo(k)fluoranthene	0.00014	0.00010									
Chrysene	0.00015	0.00010									
Dibenzo(a,h)anthracene	0.00015	0.00010									
Fluoranthene	0.00017	0.00010									
Fluorene	0.00014	0.00010									
Indeno(1,2,3-cd)pyrene	0.00015	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	0.00017	0.00010									
Pyrene	0.00016	0.00010									
Total PNAs except Naphthalene	0.00220	0.00013									
Surr: 2-Fluorobiphenyl	0.00366		0.005000		73.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00522		0.01000		52.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00326		0.005000		65.1	39.9	106				
Surr: Phenol-d5	0.00333		0.01000		33.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00438		0.005000		87.6	53	116				

Sample ID: LCS-61694	SampType: LCS	Units: mg/L	Prep Date: 7/12/2010	RunNo: 137746							
Client ID: ZZZZZZ	Batch ID: 61694	SW3510C	Analysis Date: 7/13/2010	SeqNo: 2673392							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00328	0.00010	0.005000	0	65.6	50.1	103				B
Acenaphthylene	0.00331	0.00010	0.005000	0	66.2	53.3	122				B
Anthracene	0.00336	0.00010	0.005000	0	67.1	57.4	110				B

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: LCS-61694	SampType: LCS	Units: mg/L			Prep Date: 7/12/2010			RunNo: 137746			
Client ID: ZZZZZZ	Batch ID: 61694	SW3510C			Analysis Date: 7/13/2010			SeqNo: 2673392			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00310	0.00010	0.005000	0	62.0	56	102				B
Benzo(a)pyrene	0.00340	0.00010	0.005000	0	68.0	55.4	125				B
Benzo(b)fluoranthene	0.00336	0.00010	0.005000	0	67.1	59.3	127				B
Benzo(g,h,i)perylene	0.00337	0.00010	0.005000	0	67.5	58.4	125				B
Benzo(k)fluoranthene	0.00334	0.00010	0.005000	0	66.8	61.5	125				B
Chrysene	0.00342	0.00010	0.005000	0	68.3	58.7	118				B
Dibenzo(a,h)anthracene	0.00357	0.00010	0.005000	0	71.4	59.3	126				B
Fluoranthene	0.00352	0.00010	0.005000	0	70.4	60.1	117				B
Fluorene	0.00342	0.00010	0.005000	0	68.4	54.1	110				B
Indeno(1,2,3-cd)pyrene	0.00347	0.00010	0.005000	0	69.4	58.1	123				B
Naphthalene	0.00303	0.00010	0.005000	0	60.6	36.3	97.1				
Phenanthrene	0.00331	0.00010	0.005000	0	66.3	55.9	107				B
Pyrene	0.00349	0.00010	0.005000	0	69.8	61.4	116				B
Surr: 2-Fluorobiphenyl	0.00350		0.005000		69.9	41.9	97.9				
Surr: 2-Fluorophenol	0.00454		0.01000		45.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00313		0.005000		62.6	39.9	106				
Surr: Phenol-d5	0.00320		0.01000		32.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00424		0.005000		84.9	53	116				

Sample ID: LCSD-61694	SampType: LCSD	Units: mg/L			Prep Date: 7/12/2010			RunNo: 137746			
Client ID: ZZZZZZ	Batch ID: 61694	SW3510C			Analysis Date: 7/13/2010			SeqNo: 2673393			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00312	0.00010	0.005000	0	62.5	50.1	103	0.003280	4.84	50	B
Acenaphthylene	0.00313	0.00010	0.005000	0	62.7	53.3	122	0.003311	5.49	50	B
Anthracene	0.00307	0.00010	0.005000	0	61.4	57.4	110	0.003355	8.81	50	B
Benzo(a)anthracene	0.00305	0.00010	0.005000	0	60.9	56	102	0.003099	1.72	50	B
Benzo(a)pyrene	0.00322	0.00010	0.005000	0	64.4	55.4	125	0.003398	5.32	50	B
Benzo(b)fluoranthene	0.00312	0.00010	0.005000	0	62.4	59.3	127	0.003355	7.29	50	B
Benzo(g,h,i)perylene	0.00315	0.00010	0.005000	0	63.0	58.4	125	0.003373	6.90	50	B

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070437

Report Date: 20-Jul-10

Sample ID: LCSD-61694	SampType: LCSD	Units: mg/L				Prep Date: 7/12/2010			RunNo: 137746		
Client ID: ZZZZZZ	Batch ID: 61694	SW3510C				Analysis Date: 7/13/2010			SeqNo: 2673393		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00324	0.00010	0.005000	0	64.7	61.5	125	0.003338	3.10	50	B
Chrysene	0.00334	0.00010	0.005000	0	66.8	58.7	118	0.003417	2.34	50	B
Dibenzo(a,h)anthracene	0.00334	0.00010	0.005000	0	66.8	59.3	126	0.003572	6.68	50	B
Fluoranthene	0.00335	0.00010	0.005000	0	67.1	60.1	117	0.003520	4.83	50	B
Fluorene	0.00319	0.00010	0.005000	0	63.7	54.1	110	0.003421	7.08	50	B
Indeno(1,2,3-cd)pyrene	0.00327	0.00010	0.005000	0	65.3	58.1	123	0.003469	6.03	50	B
Naphthalene	0.00267	0.00010	0.005000	0	53.3	36.3	97.1	0.003030	12.8	50	
Phenanthrene	0.00318	0.00010	0.005000	0	63.5	55.9	107	0.003314	4.22	50	B
Pyrene	0.00331	0.00010	0.005000	0	66.2	61.4	116	0.003488	5.21	50	B
Surr: 2-Fluorobiphenyl	0.00320		0.005000		63.9	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00414		0.01000		41.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00272		0.005000		54.4	39.9	106		0	50	
Surr: Phenol-d5	0.00279		0.01000		27.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00388		0.005000		77.7	53	116		0	50	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070437

Report Date: 20-Jul-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

12-Jul-10

Marvin L. Darling

Reviewed by:

On:

13-Jul-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

10070437

Project Name: Ameren Champaign Project Mgr.: P. Jazama

Project Number: 624-0908-0120 Cost Code: 5002

Sampler(s): S. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

Date

Time

Total Number of Containers

Analyses by Method Name and Number

BTEX 8160
SVOC 8290
PCRA Metals
Amenable Metals
Cyanide
TSS
PH
6005

Laboratory Temperature upon Receipt

3.8 ± 0.5
7/12/10 0114eadspale

Comments (Field PID)

Lab ID #'s

10070437-001

1 DAY

Teklab, Inc.

Courier Pick Up

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☒ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to:

Send Invoice to:

QC Deliverable Requested:

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

July 21, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070525

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/14/2010 2:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070525

Report Date: 21-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070525-001	2124-treated-7/13/10	5	7/13/2010 3:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070525

Report Date: 21-Jul-10

Cooler Receipt Temp: 0.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070525

Lab ID: 10070525-001

Report Date: 21-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2124-treated-7/13/10

Collection Date: 7/13/2010 3:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		11.8		1	7/14/2010 3:56:00 PM	CS
<u>STANDARD METHODS 4500-CN C G</u>								
Cyanide, Amenable to Chlorination		0.005		0.008	mg/L	1	7/15/2010	SUB
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	7/15/2010 10:30:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		32	mg/L	1	7/14/2010 5:10:00 PM	AKG
<u>STANDARD METHODS 4500-CN C E</u>								
Cyanide, Total		0.005		0.194	mg/L	1	7/15/2010	SUB
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/15/2010 12:40:56 PM	LAL
Barium	NELAP	0.0050		0.202	mg/L	1	7/15/2010 12:40:56 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/15/2010 12:40:56 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/15/2010 12:40:56 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/15/2010 12:40:56 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/15/2010 12:40:56 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	7/15/2010 9:10:36 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	7/15/2010 10:53:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		67.3	%REC	1	7/15/2010 10:53:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		33.6	%REC	1	7/15/2010 10:53:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070525

Lab ID: 10070525-001

Report Date: 21-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2124-treated-7/13/10

Collection Date: 7/13/2010 3:30:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105		65.9	%REC	1	7/15/2010 10:53:00 AM	MAM
Surr: Phenol-d5		11-42.8		20.0	%REC	1	7/15/2010 10:53:00 AM	MAM
Surr: p-Terphenyl-d14		49-113		73.3	%REC	1	7/15/2010 10:53:00 AM	MAM
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	7/14/2010 6:56:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/14/2010 6:56:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/14/2010 6:56:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/14/2010 6:56:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		100.5	%REC	1	7/14/2010 6:56:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		103.3	%REC	1	7/14/2010 6:56:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		101.6	%REC	1	7/14/2010 6:56:00 PM	CCF
Surr: Toluene-d8		84.3-114		97.4	%REC	1	7/14/2010 6:56:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/15/2010	MEK

Sample Narrative

Standard Methods 4500-CN C G

Analysis performed by First Environmental Laboratories, Inc.

Standard Methods 4500-CN C E

Analysis performed by First Environmental Laboratories, Inc.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10070525**Report Date:** 21-Jul-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070525-001A	2124-treated-7/13/10	7/13/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/14/2010 8:38:08 PM	7/15/2010 10:53:00 AM
10070525-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/14/2010 3:56:00 PM
				Standard Methods 18th Ed. 2540 D		7/15/2010 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	7/14/2010 5:10:00 PM	7/14/2010 5:10:00 PM
10070525-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/14/2010 3:30:00 PM	7/15/2010 12:40:56 PM
				SW-846 3020A, Metals by GFAA (Total)	7/14/2010 3:29:17 PM	7/15/2010 9:10:36 AM
				SW-846 7470A (Total)	7/15/2010 8:21:03 AM	7/15/2010
10070525-001D				Standard Methods 4500-CN C G		7/15/2010
				Standard Methods 4500-CN C E		7/15/2010
10070525-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/14/2010 6:56:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070525

Report Date: 21-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R137862		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 137862		
Client ID: ZZZZZZ		Batch ID: R137862					Analysis Date: 7/15/2010			SeqNo: 2676063	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R137862		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 137862		
Client ID: ZZZZZZ		Batch ID: R137862			Analysis Date: 7/15/2010					SeqNo: 2676064		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Sample ID: 10070525-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 137862		
Client ID: 2124-treated-7/13/10		Batch ID: R137862			Analysis Date: 7/15/2010			SeqNo: 2676066				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 137862		
Client ID: ZZZZZZ		Batch ID: R137862			Analysis Date: 7/15/2010			SeqNo: 2676081				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 137862			
Client ID: ZZZZZZ	Batch ID: R137862				Analysis Date: 7/15/2010			SeqNo: 2676099			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-CN CE

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: MB-R137870		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 137870		
Client ID: ZZZZZZ		Batch ID: R137870			Analysis Date: 7/15/2010			SeqNo: 2676367				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	< 0.005	0.005									
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Sample ID: LCS-R137870		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 137870		
Client ID: ZZZZZZ		Batch ID: R137870			Analysis Date: 7/15/2010			SeqNo: 2676368				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	0.950	0.005	1.000	0	95.0	80	120				
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Sample ID: 10070525-001DMS	SampType: MS	Units: mg/L				Prep Date:				RunNo: 137870		
Client ID: 2124-treated-7/13/10	Batch ID: R137870					Analysis Date: 7/15/2010				SeqNo: 2676370		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	0.406	0.005	0.2000	0.1940	106.0	75	125				
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Sample ID: 10070525-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 137870		
Client ID: 2124-treated-7/13/10		Batch ID: R137870					Analysis Date: 7/15/2010			SeqNo: 2676371	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Total	0.400	0.005	0.2000	0.1940	103.0	75	125	0.4060	1.49	20	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: LCS-R137810		SampType: LCS			Units:		Prep Date:		RunNo: 137810		
Client ID: ZZZZZZ		Batch ID: R137810					Analysis Date: 7/14/2010		SeqNo: 2675013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 10070525-001BDUP		SampType: DUP			Units:		Prep Date:		RunNo: 137810		
Client ID: 2124-treated-7/13/10		Batch ID: R137810					Analysis Date: 7/14/2010		SeqNo: 2675126		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	11.8	1.00						11.77	0.170	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: LCS-61756	SampType: LCS	Units: mg/L			Prep Date: 7/14/2010			RunNo: 137968			
Client ID: ZZZZZZ	Batch ID: 61756	SOP 2030			Analysis Date: 7/14/2010			SeqNo: 2678669			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	202	5	198.0	0	102.0	84.6	115.4				
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Sample ID: 10070525-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/14/2010			RunNo: 137968			
Client ID: 2124-treated-7/13/10	Batch ID: 61756	SOP 2030			Analysis Date: 7/14/2010			SeqNo: 2678677			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	31	5						32.00	3.17	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: MB-61746	SampType: MBLK	Units: mg/L				Prep Date: 7/14/2010			RunNo: 137843		
Client ID: ZZZZZZ	Batch ID: 61746	SOP 3034				Analysis Date: 7/15/2010			SeqNo: 2675819		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61746	SampType: LCS	Units: mg/L				Prep Date: 7/14/2010			RunNo: 137843		
Client ID: ZZZZZZ	Batch ID: 61746	SOP 3034				Analysis Date: 7/15/2010			SeqNo: 2675820		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.22	0.0250	2.000	0	111.0	85	115				
Barium	2.05	0.0050	2.000	0	102.6	85	115				
Cadmium	0.0533	0.0020	0.05000	0	106.6	85	115				
Chromium	0.215	0.0100	0.2000	0	107.5	85	115				
Selenium	2.21	0.0500	2.000	0	110.4	85	115				

Sample ID: 10070525-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/14/2010			RunNo: 137843		
Client ID: 2124-treated-7/13/10	Batch ID: 61746	SOP 3034				Analysis Date: 7/15/2010			SeqNo: 2675822		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	106.8	75	125				
Barium	2.02	0.0050	2.000	0.2024	91.0	75	125				
Cadmium	0.0482	0.0020	0.05000	0	96.4	75	125				
Chromium	0.200	0.0100	0.2000	0	99.9	75	125				
Selenium	2.09	0.0500	2.000	0	104.6	75	125				
Silver	0.0535	0.0100	0.05000	0	107.0	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070525

Report Date: 21-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID: 10070525-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 7/14/2010		RunNo: 137843		
Client ID: 2124-treated-7/13/10		Batch ID: 61746			SOP 3034		Analysis Date: 7/15/2010		SeqNo: 2675823		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.6	75	125	2.137	0.699	20	
Barium	2.02	0.0050	2.000	0.2024	90.7	75	125	2.022	0.248	20	
Cadmium	0.0486	0.0020	0.05000	0	97.2	75	125	0.04820	0.826	20	
Chromium	0.194	0.0100	0.2000	0	97.1	75	125	0.1998	2.84	20	
Selenium	2.06	0.0500	2.000	0	103.2	75	125	2.091	1.25	20	
Silver	0.0541	0.0100	0.05000	0	108.2	75	125	0.05350	1.12	20	

Sample ID: LCS-61746		SampType: LCS			Units: mg/L		Prep Date: 7/14/2010		RunNo: 137843		
Client ID: ZZZZZZ		Batch ID: 61746			SOP 3034		Analysis Date: 7/15/2010		SeqNo: 2675824		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.0560	0.0100	0.05000	0	112.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: MB-61745		SampType: MBLK		Units: mg/L		Prep Date: 7/14/2010			RunNo: 137844		
Client ID: ZZZZZZ		Batch ID: 61745		SOP 3044		Analysis Date: 7/15/2010			SeqNo: 2675716		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61745		SampType: LCS			Units: mg/L		Prep Date: 7/14/2010			RunNo: 137844		
Client ID: ZZZZZZ		Batch ID: 61745			SOP 3044		Analysis Date: 7/15/2010			SeqNo: 2675718		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0172	0.0020	0.01500	0	115.0	80	120			
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Sample ID: 10070525-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/14/2010			RunNo: 137844		
Client ID: 2124-treated-7/13/10		Batch ID: 61745		SOP 3044		Analysis Date: 7/15/2010			SeqNo: 2675720		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0158	0.0020	0.01500	0.0005356	101.8	70	130			
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Sample ID: 10070525-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/14/2010			RunNo: 137844		
Client ID: 2124-treated-7/13/10		Batch ID: 61745		SOP 3044		Analysis Date: 7/15/2010			SeqNo: 2675721		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0166	0.0020	0.01500	0.0005356	107.3	70	130	0.01581	5.11	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: MB-61770	SampType: MBLK	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137853		
Client ID: ZZZZZZ	Batch ID: 61770	SOP 3062				Analysis Date: 7/15/2010			SeqNo: 2675891		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61770	SampType: LCS	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137853		
Client ID: ZZZZZZ	Batch ID: 61770	SOP 3062				Analysis Date: 7/15/2010			SeqNo: 2675892		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00487	0.00020	0.005000	0	97.4	85	115				

Sample ID: MB-61770	SampType: MBLK	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137853		
Client ID: ZZZZZZ	Batch ID: 61770	SOP 3062				Analysis Date: 7/15/2010			SeqNo: 2675895		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61770	SampType: LCS	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137853		
Client ID: ZZZZZZ	Batch ID: 61770	SOP 3062				Analysis Date: 7/15/2010			SeqNo: 2675896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00487	0.00020	0.005000	0	97.4	85	115				

Sample ID: 10070525-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137853		
Client ID: 2124-treated-7/13/10	Batch ID: 61770	SOP 3062				Analysis Date: 7/15/2010			SeqNo: 2675898		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00486	0.00020	0.005000	0	97.2	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070525

Report Date: 21-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7470 A

Sample ID: 10070525-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/15/2010		RunNo: 137853			
Client ID: 2124-treated-7/13/10		Batch ID: 61770		SOP 3062		Analysis Date: 7/15/2010		SeqNo: 2675899			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00492	0.00020	0.005000	0	98.4	75	125	0.004860	1.23	15	
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Sample ID: MB-61770		SampType: MBLK		Units: µg/L		Prep Date: 7/15/2010		RunNo: 137853			
Client ID: ZZZZZZ		Batch ID: 61770		SOP 3062		Analysis Date: 7/15/2010		SeqNo: 2675893			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-61770		SampType: LCS		Units: µg/L		Prep Date: 7/15/2010		RunNo: 137853			
Client ID: ZZZZZZ		Batch ID: 61770		SOP 3062		Analysis Date: 7/15/2010		SeqNo: 2675894			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	4.87	0.20	5.000	0	97.4	85	115				
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Benzene	ND	2.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
Xylenes, Total	ND	5.0

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: MBLK-T100714-1		SampType: MBLK		Units: µg/L		Prep Date: 7/14/2010		RunNo: 137839			
Client ID: ZZZZZZ		Batch ID: 61766		SW5030		Analysis Date: 7/14/2010		SeqNo: 2675630			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.6		50.00		101.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119				
Surr: Dibromofluoromethane	49.9		50.00		99.8	81.7	123				
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114				

Sample ID: 10070525-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/14/2010		RunNo: 137839			
Client ID: 2124-treated-7/13/10		Batch ID: 61766		SW5030		Analysis Date: 7/14/2010		SeqNo: 2675640			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	61.8	2.0	56.00	0	110.4	57.8	125				
Toluene	60.8	5.0	56.00	0	108.5	75.8	123				
Ethylbenzene	59.5	5.0	56.00	0	106.3	72.8	123				
Xylenes, Total	122	5.0	112.0	0	109.0	73	127				
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101.2	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.7	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.2	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.2	84.3	114				

Sample ID: 10070525-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/14/2010			RunNo: 137839		
Client ID: 2124-treated-7/13/10		Batch ID: 61766		SW5030		Analysis Date: 7/14/2010			SeqNo: 2675641		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	62.2	2.0	56.00	0	111.1	57.8	125	61.81	0.629	20	
Toluene	60.8	5.0	56.00	0	108.5	75.8	123	60.76	0.0165	20	
Ethylbenzene	60.1	5.0	56.00	0	107.4	72.8	123	59.54	1.00	20	
Xylenes, Total	121	5.0	112.0	0	108.5	73	127	122.1	0.501	20	
Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.3		50.00		104.7	86	119		0	0	
Surr: Dibromofluoromethane	50.8		50.00		101.7	81.7	123		0	0	
Surr: Toluene-d8	48.9		50.00		97.8	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: MB-61736		SampType: MBLK		Units: mg/L		Prep Date: 7/14/2010			RunNo: 137833		
Client ID: ZZZZZZ		Batch ID: 61736		SW3510C		Analysis Date: 7/14/2010			SeqNo: 2675502		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0179		0.02500		71.8	41.9	97.9				
Surr: 2-Fluorophenol	0.0278		0.05000		55.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.0176		0.02500		70.3	39.9	106				
Surr: Phenol-d5	0.0172		0.05000		34.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.0199		0.02500		79.7	53	116				

Sample ID: LCS-61736		SampType: LCS		Units: mg/L		Prep Date: 7/14/2010			RunNo: 137833		
Client ID: ZZZZZZ		Batch ID: 61736		SW3510C		Analysis Date: 7/14/2010			SeqNo: 2675503		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00295	0.00010	0.005000	0	58.9	50.1	103				
Acenaphthylene	0.00294	0.00010	0.005000	0	58.7	53.3	122				
Anthracene	0.00317	0.00010	0.005000	0	63.5	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: LCS-61736	SampType: LCS	Units: mg/L			Prep Date: 7/14/2010			RunNo: 137833			
Client ID: ZZZZZZ	Batch ID: 61736	SW3510C			Analysis Date: 7/14/2010			SeqNo: 2675503			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00314	0.00010	0.005000	0	62.7	56	102				
Benzo(a)pyrene	0.00339	0.00010	0.005000	0	67.8	55.4	125				
Benzo(b)fluoranthene	0.00324	0.00010	0.005000	0	64.8	59.3	127				
Benzo(g,h,i)perylene	0.00364	0.00010	0.005000	0	72.8	58.4	125				
Benzo(k)fluoranthene	0.00328	0.00010	0.005000	0	65.7	61.5	125				
Chrysene	0.00342	0.00010	0.005000	0	68.5	58.7	118				
Dibenzo(a,h)anthracene	0.00359	0.00010	0.005000	0	71.9	59.3	126				
Fluoranthene	0.00326	0.00010	0.005000	0	65.2	60.1	117				
Fluorene	0.00298	0.00010	0.005000	0	59.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00363	0.00010	0.005000	0	72.7	58.1	123				
Naphthalene	0.00276	0.00010	0.005000	0	55.2	36.3	97.1				
Phenanthrene	0.00313	0.00010	0.005000	0	62.6	55.9	107				
Pyrene	0.00322	0.00010	0.005000	0	64.3	61.4	116				
Surr: 2-Fluorobiphenyl	0.0165		0.02500		65.8	41.9	97.9				
Surr: 2-Fluorophenol	0.0255		0.05000		51.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0157		0.02500		62.8	39.9	106				
Surr: Phenol-d5	0.0154		0.05000		30.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.0185		0.02500		73.9	53	116				

Sample ID: LCSD-61736	SampType: LCSD	Units: mg/L			Prep Date: 7/14/2010			RunNo: 137833			
Client ID: ZZZZZZ	Batch ID: 61736	SW3510C			Analysis Date: 7/14/2010			SeqNo: 2675504			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00303	0.00010	0.005000	0	60.5	50.1	103	0.002947	2.68	50	
Acenaphthylene	0.00304	0.00010	0.005000	0	60.7	53.3	122	0.002936	3.38	50	
Anthracene	0.00326	0.00010	0.005000	0	65.3	57.4	110	0.003174	2.77	50	
Benzo(a)anthracene	0.00312	0.00010	0.005000	0	62.4	56	102	0.003136	0.447	50	
Benzo(a)pyrene	0.00338	0.00010	0.005000	0	67.6	55.4	125	0.003390	0.266	50	
Benzo(b)fluoranthene	0.00327	0.00010	0.005000	0	65.5	59.3	127	0.003240	1.01	50	
Benzo(g,h,i)perylene	0.00367	0.00010	0.005000	0	73.4	58.4	125	0.003639	0.903	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070525

Report Date: 21-Jul-10

Sample ID: LCSD-61736	SampType: LCSD	Units: mg/L				Prep Date: 7/14/2010			RunNo: 137833		
Client ID: ZZZZZZ	Batch ID: 61736	SW3510C				Analysis Date: 7/14/2010			SeqNo: 2675504		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00332	0.00010	0.005000	0	66.3	61.5	125	0.003285	0.909	50	
Chrysene	0.00340	0.00010	0.005000	0	68.0	58.7	118	0.003425	0.791	50	
Dibenzo(a,h)anthracene	0.00362	0.00010	0.005000	0	72.5	59.3	126	0.003593	0.887	50	
Fluoranthene	0.00324	0.00010	0.005000	0	64.9	60.1	117	0.003261	0.492	50	
Fluorene	0.00307	0.00010	0.005000	0	61.3	54.1	110	0.002979	2.88	50	
Indeno(1,2,3-cd)pyrene	0.00366	0.00010	0.005000	0	73.2	58.1	123	0.003633	0.740	50	
Naphthalene	0.00285	0.00010	0.005000	0	57.0	36.3	97.1	0.002760	3.14	50	
Phenanthrene	0.00322	0.00010	0.005000	0	64.4	55.9	107	0.003128	2.90	50	
Pyrene	0.00324	0.00010	0.005000	0	64.7	61.4	116	0.003216	0.651	50	
Surr: 2-Fluorobiphenyl	0.0169		0.02500		67.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0242		0.05000		48.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0160		0.02500		63.9	39.9	106		0	50	
Surr: Phenol-d5	0.0156		0.05000		31.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0187		0.02500		75.0	53	116		0	50	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070525

Report Date: 21-Jul-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

14-Jul-10

Dawn Brantley

Reviewed by:

On:

14-Jul-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 0.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09899

20/01/2020

[illegible]

July 22, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070605

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/15/2010 5:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070605

Report Date: 22-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070605-001	2169-treated-7/15/10	5	7/15/2010 10:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070605

Report Date: 22-Jul-10

Cooler Receipt Temp: 6.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070605

Lab ID: 10070605-001

Report Date: 22-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-7/15/10

Collection Date: 7/15/2010 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		11.6		1	7/16/2010 3:47:00 PM	CS
<u>STANDARD METHODS 4500-CN C G</u>								
Cyanide, Amenable to Chlorination		0.005		0.027	mg/L	1	7/19/2010	SUB
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	10	mg/L	1	7/16/2010 10:00:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		40	mg/L	1	7/16/2010 11:40:00 AM	AKG
<u>STANDARD METHODS 4500-CN C E</u>								
Cyanide, Total		0.005		0.194	mg/L	1	7/19/2010	SUB
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/16/2010 9:49:18 AM	LAL
Barium	NELAP	0.0050		0.191	mg/L	1	7/16/2010 9:28:57 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/16/2010 9:28:57 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/16/2010 9:28:57 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/16/2010 9:28:57 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/16/2010 9:28:57 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	7/16/2010 9:22:38 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Acenaphthylene	NELAP	0.00010		0.00022	mg/L	1	7/17/2010 2:35:00 AM	MAV
Anthracene	NELAP	0.00010		0.00010	mg/L	1	7/17/2010 2:35:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00024	mg/L	1	7/17/2010 2:35:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00018	mg/L	1	7/17/2010 2:35:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/17/2010 2:35:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00051	mg/L	1	7/17/2010 2:35:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		72.2	%REC	1	7/17/2010 2:35:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		31.9	%REC	1	7/17/2010 2:35:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070605

Lab ID: 10070605-001

Report Date: 22-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-7/15/10

Collection Date: 7/15/2010 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105		85.3	%REC	1	7/17/2010 2:35:00 AM	MAV
Surr: Phenol-d5		11-42.8		19.8	%REC	1	7/17/2010 2:35:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		79.7	%REC	1	7/17/2010 2:35:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	1.3	µg/L	1	7/15/2010 8:34:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/15/2010 8:34:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/15/2010 8:34:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/15/2010 8:34:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		99.9	%REC	1	7/15/2010 8:34:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		105.0	%REC	1	7/15/2010 8:34:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		100.3	%REC	1	7/15/2010 8:34:00 PM	CCF
Surr: Toluene-d8		84.3-114		98.2	%REC	1	7/15/2010 8:34:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/16/2010	MEK

Sample Narrative

Standard Methods 18th Ed. 5210 B

Lab LCS below QC limits at 80.8% (acceptable range: 84.6-115.4%). Batch verified by vendor LCS which passed at 97.9%.

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results. When duplicate results for TSS are 20 mg/L or less and have a difference of no greater than the PQL, the results are considered within the precision of the test method and are reportable.

Standard Methods 4500-CN C G

Analysis performed by First Environmental Laboratories, Inc.

Standard Methods 4500-CN C E

Analysis performed by First Environmental Laboratories, Inc.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10070605**Report Date:** 22-Jul-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070605-001A	2169-treated-7/15/10	7/15/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/16/2010 11:48:45 AM	7/17/2010 2:35:00 AM
10070605-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/16/2010 3:47:00 PM
				Standard Methods 18th Ed. 2540 D		7/16/2010 10:00:00 AM
				Standard Methods 18th Ed. 5210 B	7/16/2010 11:40:00 AM	7/16/2010 11:40:00 AM
10070605-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/15/2010 6:03:16 PM	7/16/2010 9:28:57 AM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/15/2010 6:03:16 PM	7/16/2010 9:49:18 AM
				SW-846 3020A, Metals by GFAA (Total)	7/15/2010 6:02:40 PM	7/16/2010 9:22:38 AM
				SW-846 7470A (Total)	7/16/2010 8:09:29 AM	7/16/2010
10070605-001D				Standard Methods 4500-CN C G		7/19/2010
				Standard Methods 4500-CN C E		7/19/2010
10070605-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/15/2010 8:34:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070605

Report Date: 22-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R137904		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 137904		
Client ID: ZZZZZZ		Batch ID: R137904					Analysis Date: 7/16/2010			SeqNo: 2677065	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R137904		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 137904		
Client ID: ZZZZZZ		Batch ID: R137904			Analysis Date: 7/16/2010			SeqNo: 2677066				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 10070605-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 137904		
Client ID: 2169-treated-7/15/10		Batch ID: R137904			Analysis Date: 7/16/2010			SeqNo: 2677068				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	7	6						10.00	35.3	15	R
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Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 137904		
Client ID: ZZZZZZ	Batch ID: R137904					Analysis Date: 7/16/2010				SeqNo: 2677087		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-CN CE

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: MB-R137979		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 137979		
Client ID: ZZZZZZ		Batch ID: R137979			Analysis Date: 7/19/2010			SeqNo: 2678841				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	< 0.005	0.005									
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Sample ID: LCS-R137979		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 137979		
Client ID: ZZZZZZ		Batch ID: R137979			Analysis Date: 7/19/2010			SeqNo: 2678842				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	0.984	0.005	1.000	0	98.4	80	120				
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Sample ID: 10070605-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 137979		
Client ID: 2169-treated-7/15/10		Batch ID: R137979			Analysis Date: 7/19/2010			SeqNo: 2678873				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide, Total	0.394	0.005	0.2000	0.1940	100	75	125				
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Sample ID: 10070605-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 137979		
Client ID: 2169-treated-7/15/10		Batch ID: R137979					Analysis Date: 7/19/2010			SeqNo: 2678874	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Total	0.396	0.005	0.2000	0.1940	101.0	75	125	0.3940	0.506	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: LCS-R137918	SampType: LCS	Units:		Prep Date:		RunNo: 137918					
Client ID: ZZZZZZ	Batch ID: R137918			Analysis Date: 7/16/2010		SeqNo: 2677298					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.98	1.00	7.000	0	99.7	99.1	100.9				
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Sample ID: 10070605-001BDUP	SampType: DUP	Units:		Prep Date:		RunNo: 137918					
Client ID: 2169-treated-7/15/10	Batch ID: R137918			Analysis Date: 7/16/2010		SeqNo: 2677458					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	11.6	1.00						11.63	0.0859	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: LCS-61825	SampType: LCS	Units: mg/L			Prep Date: 7/16/2010			RunNo: 138079			
Client ID: ZZZZZZ	Batch ID: 61825	SOP 2030			Analysis Date: 7/16/2010			SeqNo: 2681380			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	194	5	198.0	0	98.0	84.6	115.4				
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Sample ID: 10070605-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/16/2010			RunNo: 138079			
Client ID: 2169-treated-7/15/10	Batch ID: 61825	SOP 2030			Analysis Date: 7/16/2010			SeqNo: 2681394			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	40	5						40.00	0	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: MB-61790	SampType: MBLK	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137869		
Client ID: ZZZZZZ	Batch ID: 61790	SOP 3034				Analysis Date: 7/16/2010			SeqNo: 2676723		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61790	SampType: LCS	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137869		
Client ID: ZZZZZZ	Batch ID: 61790	SOP 3034				Analysis Date: 7/16/2010			SeqNo: 2676725		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	85	115				
Barium	2.04	0.0050	2.000	0	101.8	85	115				
Cadmium	0.0520	0.0020	0.05000	0	104.0	85	115				
Chromium	0.220	0.0100	0.2000	0	109.9	85	115				
Silver	0.0531	0.0100	0.05000	0	106.2	85	115				

Sample ID: MB-61790	SampType: MBLK	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137869		
Client ID: ZZZZZZ	Batch ID: 61790	SOP 3034				Analysis Date: 7/16/2010			SeqNo: 2676724		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: LCS-61790	SampType: LCS	Units: mg/L			Prep Date: 7/15/2010			RunNo: 137869			
Client ID: ZZZZZZ	Batch ID: 61790	SOP 3034			Analysis Date: 7/16/2010			SeqNo: 2676726			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.17	0.0250	2.000	0	108.6	85	115				
Barium	2.04	0.0050	2.000	0	101.8	85	115				
Cadmium	0.0520	0.0020	0.05000	0	104.0	85	115				
Chromium	0.220	0.0100	0.2000	0	109.9	85	115				
Selenium	2.16	0.0500	2.000	0	108.0	85	115				
Silver	0.0531	0.0100	0.05000	0	106.2	85	115				

Sample ID: 10070605-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137869		
Client ID: 2169-treated-7/15/10	Batch ID: 61790	SOP 3034				Analysis Date: 7/16/2010			SeqNo: 2676728		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.0	75	125				
Barium	1.94	0.0050	2.000	0.1908	87.6	75	125				
Cadmium	0.0457	0.0020	0.05000	0	91.4	75	125				
Chromium	0.194	0.0100	0.2000	0	97.2	75	125				
Selenium	1.98	0.0500	2.000	0	99.1	75	125				
Silver	0.0506	0.0100	0.05000	0	101.2	75	125				

Sample ID: 10070605-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137869		
Client ID: 2169-treated-7/15/10	Batch ID: 61790	SOP 3034				Analysis Date: 7/16/2010			SeqNo: 2676729		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.4	75	125	2.060	0.535	20	
Barium	1.93	0.0050	2.000	0.1908	87.1	75	125	1.942	0.465	20	
Cadmium	0.0457	0.0020	0.05000	0	91.4	75	125	0.04570	0	20	
Chromium	0.194	0.0100	0.2000	0	97.0	75	125	0.1945	0.309	20	
Selenium	1.99	0.0500	2.000	0	99.4	75	125	1.981	0.403	20	
Silver	0.0488	0.0100	0.05000	0	97.6	75	125	0.05060	3.62	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: MB-61789		SampType: MBLK		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137882		
Client ID: ZZZZZZ		Batch ID: 61789		SOP 3044		Analysis Date: 7/16/2010			SeqNo: 2676640		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61789		SampType: LCS			Units: mg/L		Prep Date: 7/15/2010			RunNo: 137882		
Client ID: ZZZZZZ		Batch ID: 61789			SOP 3044		Analysis Date: 7/16/2010			SeqNo: 2676641		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0171	0.0020	0.01500	0	113.7	80	120			
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Sample ID: 10070605-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137882		
Client ID: 2169-treated-7/15/10		Batch ID: 61789		SOP 3044		Analysis Date: 7/16/2010			SeqNo: 2676643		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0148	0.0020	0.01500	0.0006997	94.2	70	130			
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Sample ID: 10070605-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137882		
Client ID: 2169-treated-7/15/10		Batch ID: 61789		SOP 3044		Analysis Date: 7/16/2010			SeqNo: 2676644		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0170	0.0020	0.01500	0.0006997	108.6	70	130	0.01483	13.5	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: 10070605-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/16/2010			RunNo: 137908		
Client ID: 2169-treated-7/15/10		Batch ID: 61804		SOP 3062		Analysis Date: 7/16/2010			SeqNo: 2677124		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00463	0.00020	0.005000	0	92.6	75	125				
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Sample ID: 10070605-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/16/2010			RunNo: 137908		
Client ID: 2169-treated-7/15/10		Batch ID: 61804		SOP 3062		Analysis Date: 7/16/2010			SeqNo: 2677125		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00458	0.00020	0.005000	0	91.6	75	125	0.004630	1.09	15	
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Sample ID: MB-61804	SampType: MBLK	Units: µg/L			Prep Date: 7/16/2010			RunNo: 137908			
Client ID: ZZZZZZ	Batch ID: 61804	SOP 3062			Analysis Date: 7/16/2010			SeqNo: 2677121			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-61804		SampType: LCS			Units: µg/L		Prep Date: 7/16/2010			RunNo: 137908		
Client ID: ZZZZZZ		Batch ID: 61804			SOP 3062		Analysis Date: 7/16/2010			SeqNo: 2677122		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	4.44	0.20	5.000	0	88.8	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: LCS-T100715-1		SampType: LCS		Units: µg/L		Prep Date: 7/15/2010			RunNo: 137881		
Client ID: ZZZZZZ		Batch ID: 61802		SW5030		Analysis Date: 7/15/2010			SeqNo: 2676624		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.0	2.0	50.00	0	94.0	82.7	117				
Ethylbenzene	45.2	5.0	50.00	0	90.5	83	113				
Toluene	46.6	5.0	50.00	0	93.1	79.6	116				
Xylenes, Total	140	5.0	150.0	0	93.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.1		50.00		100.2	74.7	129				
Surr: 4-Bromofluorobenzene	51.0		50.00		102.0	86	119				
Surr: Dibromofluoromethane	49.7		50.00		99.5	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: LCSD-T100715-1		SampType: LCSD		Units: µg/L		Prep Date: 7/15/2010			RunNo: 137881		
Client ID: ZZZZZZ		Batch ID: 61802		SW5030		Analysis Date: 7/15/2010			SeqNo: 2676625		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	48.2	2.0	50.00	0	96.4	82.7	117	47.01	2.48	20	
Ethylbenzene	46.3	5.0	50.00	0	92.5	83	113	45.23	2.25	20	
Toluene	47.8	5.0	50.00	0	95.6	79.6	116	46.56	2.61	20	
Xylenes, Total	143	5.0	150.0	0	95.0	80.3	120	140.4	1.56	20	
Surr: 1,2-Dichloroethane-d4	49.7		50.00		99.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.2		50.00		100.4	86	119		0	0	
Surr: Dibromofluoromethane	49.5		50.00		99.0	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.2	84.3	114		0	0	

Sample ID: MBLK-T100715-1		SampType: MBLK		Units: µg/L		Prep Date: 7/15/2010		RunNo: 137881			
Client ID: ZZZZZZ		Batch ID: 61802		SW5030		Analysis Date: 7/15/2010		SeqNo: 2676626			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: MBLK-T100715-1		SampType: MBLK		Units: µg/L		Prep Date: 7/15/2010			RunNo: 137881		
Client ID: ZZZZZZ		Batch ID: 61802		SW5030		Analysis Date: 7/15/2010			SeqNo: 2676626		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.0		50.00		100	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.7	86	119				
Surr: Dibromofluoromethane	49.2		50.00		98.4	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.7	84.3	114				

Sample ID: 10070605-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/15/2010			RunNo: 137881		
Client ID: 2169-treated-7/15/10		Batch ID: 61802		SW5030		Analysis Date: 7/15/2010			SeqNo: 2676634		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	63.1	2.0	56.00	1.260	110.4	57.8	125				
Toluene	61.6	5.0	56.00	0	110.1	75.8	123				
Ethylbenzene	61.2	5.0	56.00	0	109.4	72.8	123				
Xylenes, Total	124	5.0	112.0	0	110.3	73	127				
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.4	74.7	129				
Surr: 4-Bromofluorobenzene	52.7		50.00		105.4	86	119				
Surr: Dibromofluoromethane	50.7		50.00		101.5	81.7	123				
Surr: Toluene-d8	48.9		50.00		97.9	84.3	114				

Sample ID: 10070605-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/15/2010			RunNo: 137881		
Client ID: 2169-treated-7/15/10		Batch ID: 61802		SW5030		Analysis Date: 7/15/2010			SeqNo: 2676635		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	63.0	2.0	56.00	1.260	110.3	57.8	125	63.10	0.127	20	
Toluene	60.9	5.0	56.00	0	108.8	75.8	123	61.64	1.21	20	
Ethylbenzene	60.0	5.0	56.00	0	107.1	72.8	123	61.24	2.06	20	
Xylenes, Total	122	5.0	112.0	0	108.8	73	127	123.6	1.43	20	
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119		0	0	
Surr: Dibromofluoromethane	51.1		50.00		102.1	81.7	123		0	0	
Surr: Toluene-d8	48.6		50.00		97.2	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: MB-61785		SampType: MBLK		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137940		
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/16/2010			SeqNo: 2677927		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00331		0.005000		66.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00479		0.01000		47.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00371		0.005000		74.2	39.9	106				
Surr: Phenol-d5	0.00316		0.01000		31.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00375		0.005000		75.0	53	116				

Sample ID: LCS-61785		SampType: LCS		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137940		
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/17/2010			SeqNo: 2677928		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00332	0.00010	0.005000	0	66.5	50.1	103				
Acenaphthylene	0.00340	0.00010	0.005000	0	68.0	53.3	122				
Anthracene	0.00339	0.00010	0.005000	0	67.8	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: LCS-61785		SampType: LCS		Units: mg/L		Prep Date: 7/15/2010		RunNo: 137940			
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/17/2010		SeqNo: 2677928			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00318	0.00010	0.005000	0	63.6	56	102				
Benzo(a)pyrene	0.00353	0.00010	0.005000	0	70.6	55.4	125				
Benzo(b)fluoranthene	0.00348	0.00010	0.005000	0	69.6	59.3	127				
Benzo(g,h,i)perylene	0.00367	0.00010	0.005000	0	73.4	58.4	125				
Benzo(k)fluoranthene	0.00356	0.00010	0.005000	0	71.1	61.5	125				
Chrysene	0.00351	0.00010	0.005000	0	70.3	58.7	118				
Dibenzo(a,h)anthracene	0.00371	0.00010	0.005000	0	74.1	59.3	126				
Fluoranthene	0.00342	0.00010	0.005000	0	68.5	60.1	117				
Fluorene	0.00341	0.00010	0.005000	0	68.1	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00368	0.00010	0.005000	0	73.5	58.1	123				
Naphthalene	0.00313	0.00010	0.005000	0	62.6	36.3	97.1				
Phenanthrene	0.00344	0.00010	0.005000	0	68.7	55.9	107				
Pyrene	0.00343	0.00010	0.005000	0	68.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00369		0.005000		73.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00520		0.01000		52.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00393		0.005000		78.5	39.9	106				
Surr: Phenol-d5	0.00328		0.01000		32.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00407		0.005000		81.3	53	116				

Sample ID: LCSD-61785		SampType: LCSD		Units: mg/L		Prep Date: 7/15/2010		RunNo: 137940			
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/17/2010		SeqNo: 2677929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00313	0.00010	0.005000	0	62.7	50.1	103	0.003325	5.95	50	
Acenaphthylene	0.00334	0.00010	0.005000	0	66.7	53.3	122	0.003402	1.93	50	
Anthracene	0.00344	0.00010	0.005000	0	68.8	57.4	110	0.003388	1.55	50	
Benzo(a)anthracene	0.00309	0.00010	0.005000	0	61.8	56	102	0.003182	2.87	50	
Benzo(a)pyrene	0.00342	0.00010	0.005000	0	68.4	55.4	125	0.003531	3.22	50	
Benzo(b)fluoranthene	0.00347	0.00010	0.005000	0	69.4	59.3	127	0.003480	0.259	50	
Benzo(g,h,i)perylene	0.00357	0.00010	0.005000	0	71.5	58.4	125	0.003669	2.65	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070605

Report Date: 22-Jul-10

Sample ID: LCSD-61785	SampType: LCSD	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137940		
Client ID: ZZZZZZ	Batch ID: 61785	SW3510C				Analysis Date: 7/17/2010			SeqNo: 2677929		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00344	0.00010	0.005000	0	68.8	61.5	125	0.003555	3.35	50	
Chrysene	0.00344	0.00010	0.005000	0	68.7	58.7	118	0.003513	2.19	50	
Dibenzo(a,h)anthracene	0.00353	0.00010	0.005000	0	70.5	59.3	126	0.003706	4.98	50	
Fluoranthene	0.00335	0.00010	0.005000	0	67.0	60.1	117	0.003425	2.18	50	
Fluorene	0.00335	0.00010	0.005000	0	66.9	54.1	110	0.003407	1.78	50	
Indeno(1,2,3-cd)pyrene	0.00356	0.00010	0.005000	0	71.3	58.1	123	0.003676	3.09	50	
Naphthalene	0.00312	0.00010	0.005000	0	62.3	36.3	97.1	0.003129	0.384	50	
Phenanthrene	0.00348	0.00010	0.005000	0	69.5	55.9	107	0.003435	1.19	50	
Pyrene	0.00351	0.00010	0.005000	0	70.2	61.4	116	0.003430	2.28	50	
Surr: 2-Fluorobiphenyl	0.00345		0.005000		69.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00489		0.01000		48.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00394		0.005000		78.8	39.9	106		0	50	
Surr: Phenol-d5	0.00317		0.01000		31.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00405		0.005000		80.9	53	116		0	50	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070605

Report Date: 22-Jul-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

15-Jul-10

Elizabeth A. Hurley
Elizabeth A. Hurley

Reviewed by:

On:

16-Jul-10

Heather A. White
Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 6.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

COC Serial No. B 09901

10070605

[illegible][illegible]

July 22, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070642

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/16/2010 1:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070642

Report Date: 22-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070642-001	6785-treated-7/16/10	5	7/16/2010 9:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070642

Report Date: 22-Jul-10

Cooler Receipt Temp: 3.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070642

Lab ID: 10070642-001

Report Date: 22-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-7/16/10

Collection Date: 7/16/2010 9:20:00 AM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		11.8		1	7/19/2010 2:07:00 PM	CS
<u>STANDARD METHODS 4500-CN C G</u>								
Cyanide, Amenable to Chlorination		0.005		0.045	mg/L	1	7/19/2010	SUB
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		16	mg/L	1	7/19/2010 9:15:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		50	mg/L	1	7/16/2010 4:50:00 PM	AKG
<u>STANDARD METHODS 4500-CN C E</u>								
Cyanide, Total		0.005		0.246	mg/L	1	7/19/2010	SUB
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/19/2010 4:44:51 PM	LAL
Barium	NELAP	0.0050		0.176	mg/L	1	7/19/2010 4:44:51 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/19/2010 4:44:51 PM	LAL
Chromium	NELAP	0.0100	J	0.0055	mg/L	1	7/19/2010 4:44:51 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/20/2010 1:49:36 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/19/2010 4:44:51 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0011	mg/L	1	7/19/2010 10:04:32 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00027	mg/L	1	7/19/2010 10:02:00 AM	MAV
Acenaphthylene	NELAP	0.00010		0.00029	mg/L	1	7/19/2010 10:02:00 AM	MAV
Anthracene	NELAP	0.00010		0.00027	mg/L	1	7/19/2010 10:02:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00015	mg/L	1	7/19/2010 10:02:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Fluoranthene	NELAP	0.00010		0.00026	mg/L	1	7/19/2010 10:02:00 AM	MAV
Fluorene	NELAP	0.00010		0.00025	mg/L	1	7/19/2010 10:02:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/19/2010 10:02:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00066	mg/L	1	7/19/2010 10:02:00 AM	MAV
Phenanthrene	NELAP	0.00010		0.00088	mg/L	1	7/19/2010 10:02:00 AM	MAV
Pyrene	NELAP	0.00010		0.00037	mg/L	1	7/19/2010 10:02:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00274	mg/L	1	7/19/2010 10:02:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		67.5	%REC	1	7/19/2010 10:02:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		32.2	%REC	1	7/19/2010 10:02:00 AM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070642

Lab ID: 10070642-001

Report Date: 22-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-7/16/10

Collection Date: 7/16/2010 9:20:00 AM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105		78.3	%REC	1	7/19/2010 10:02:00 AM	MAV
Surr: Phenol-d5		11-42.8		16.4	%REC	1	7/19/2010 10:02:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		72.0	%REC	1	7/19/2010 10:02:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		2.8	µg/L	1	7/16/2010 6:27:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/16/2010 6:27:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	7/16/2010 6:27:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/16/2010 6:27:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		101.3	%REC	1	7/16/2010 6:27:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		101.1	%REC	1	7/16/2010 6:27:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		101.2	%REC	1	7/16/2010 6:27:00 PM	CCF
Surr: Toluene-d8		84.3-114		97.4	%REC	1	7/16/2010 6:27:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/19/2010	MEK

Sample Narrative

Standard Methods 18th Ed. 5210 B

Lab LCS below QC limits at 81.2% (acceptable range: 84.6-115.4%). Batch verified by vendor LCS which passed at 103.2%.

Standard Methods 4500-CN C G

Analysis performed by First Environmental Laboratories, Inc.

Standard Methods 4500-CN C E

Analysis performed by First Environmental Laboratories, Inc.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10070642**Report Date:** 22-Jul-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070642-001A	6785-treated-7/16/10	7/16/2010	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/16/2010 11:04:47 PM	7/19/2010 10:02:00 AM
10070642-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/19/2010 2:07:00 PM
				Standard Methods 18th Ed. 2540 D		7/19/2010 9:15:00 AM
				Standard Methods 18th Ed. 5210 B	7/16/2010 4:50:00 PM	7/16/2010 4:50:00 PM
10070642-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/16/2010 3:58:02 PM	7/19/2010 4:44:51 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/16/2010 3:58:02 PM	7/20/2010 1:49:36 PM
				SW-846 3020A, Metals by GFAA (Total)	7/16/2010 3:55:45 PM	7/19/2010 10:04:32 AM
				SW-846 7470A (Total)	7/19/2010 8:46:46 AM	7/19/2010
10070642-001D				Standard Methods 4500-CN C G		7/19/2010
				Standard Methods 4500-CN C E		7/19/2010
10070642-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/16/2010 6:27:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MB-R137978		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 137978		
Client ID: ZZZZZZ		Batch ID: R137978					Analysis Date: 7/19/2010			SeqNo: 2678802	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R137978		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 137978		
Client ID: ZZZZZZ		Batch ID: R137978			Analysis Date: 7/19/2010			SeqNo: 2678803				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC				Units: mg/L		Prep Date:			RunNo: 137978		
Client ID: ZZZZZZ	Batch ID: R137978				Analysis Date: 7/19/2010					SeqNo: 2678859		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: 10070642-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 137978		
Client ID: 6785-treated-7/16/10		Batch ID: R137978		Analysis Date: 7/19/2010			SeqNo: 2678870				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	17	6						16.00	6.06	15	
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Sample ID: MBLK	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 137978			
Client ID: ZZZZZZ	Batch ID: R137978				Analysis Date: 7/19/2010			SeqNo: 2678871			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-CN CE

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MB-R137979		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 137979		
Client ID: ZZZZZZ		Batch ID: R137979			Analysis Date: 7/19/2010			SeqNo: 2678841				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide, Total	< 0.005	0.005										

Sample ID: LCS-R137979		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 137979		
Client ID: ZZZZZZ		Batch ID: R137979			Analysis Date: 7/19/2010				SeqNo: 2678842		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.984	0.005	1.000	0	98.4	80	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: LCS-R137971		SampType: LCS			Units:		Prep Date:		RunNo: 137971		
Client ID: ZZZZZZ		Batch ID: R137971					Analysis Date: 7/19/2010		SeqNo: 2678684		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10070642-001BDUP		SampType: DUP			Units:		Prep Date:		RunNo: 137971		
Client ID: 6785-treated-7/16/10		Batch ID: R137971					Analysis Date: 7/19/2010		SeqNo: 2678691		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	11.8	1.00						11.84	0.0844	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: LCS-61826	SampType: LCS	Units: mg/L			Prep Date: 7/16/2010			RunNo: 138079			
Client ID: ZZZZZZ	Batch ID: 61826	SOP 2030			Analysis Date: 7/16/2010			SeqNo: 2681421			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	204	5	198.0	0	103.0	84.6	115.4				
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Sample ID: 10070642-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/16/2010			RunNo: 138079			
Client ID: 6785-treated-7/16/10	Batch ID: 61826	SOP 2030			Analysis Date: 7/16/2010			SeqNo: 2681440			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	45	5						50.00	10.5	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MB-61818	SampType: MBLK	Units: mg/L				Prep Date: 7/16/2010				RunNo: 138016		
Client ID: ZZZZZZ	Batch ID: 61818	SOP 3034				Analysis Date: 7/20/2010				SeqNo: 2680616		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.0079	0.0100	0.01000	0	79.0	-100	100				J	

Sample ID: LCS-61818	SampType: LCS	Units: mg/L				Prep Date: 7/16/2010				RunNo: 138016		
Client ID: ZZZZZZ	Batch ID: 61818	SOP 3034				Analysis Date: 7/20/2010				SeqNo: 2680617		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.208	0.0100	0.2000	0	104.2	85	115					

Sample ID: MB-61818	SampType: MBLK	Units: mg/L			Prep Date: 7/16/2010			RunNo: 137950			
Client ID: ZZZZZZ	Batch ID: 61818	SOP 3034			Analysis Date: 7/19/2010			SeqNo: 2679478			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61818	SampType: LCS	Units: mg/L				Prep Date: 7/16/2010			RunNo: 137950		
Client ID: ZZZZZZ	Batch ID: 61818	SOP 3034				Analysis Date: 7/19/2010			SeqNo: 2679479		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.5	85	115				
Barium	2.03	0.0050	2.000	0	101.4	85	115				
Cadmium	0.0505	0.0020	0.05000	0	101.0	85	115				
Chromium	0.213	0.0100	0.2000	0	106.4	85	115				
Silver	0.0515	0.0100	0.05000	0	103.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: 10070642-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/16/2010			RunNo: 137950		
Client ID: 6785-treated-7/16/10	Batch ID: 61818	SOP 3034				Analysis Date: 7/19/2010			SeqNo: 2679481		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	98.9	75	125				
Barium	1.96	0.0050	2.000	0.1755	89.4	75	125				
Cadmium	0.0455	0.0020	0.05000	0	91.0	75	125				
Chromium	0.200	0.0100	0.2000	0.005500	97.1	75	125				
Silver	0.0509	0.0100	0.05000	0	101.8	75	125				

Sample ID: 10070642-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/16/2010			RunNo: 137950		
Client ID: 6785-treated-7/16/10	Batch ID: 61818	SOP 3034				Analysis Date: 7/19/2010			SeqNo: 2679482		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.6	75	125	1.977	4.64	20	
Barium	2.04	0.0050	2.000	0.1755	93.3	75	125	1.964	3.85	20	
Cadmium	0.0471	0.0020	0.05000	0	94.2	75	125	0.04550	3.46	20	
Chromium	0.208	0.0100	0.2000	0.005500	101.0	75	125	0.1997	3.88	20	
Silver	0.0519	0.0100	0.05000	0	103.8	75	125	0.05090	1.95	20	

Sample ID: MB-61818	SampType: MBLK	Units: mg/L				Prep Date: 7/16/2010			RunNo: 138008		
Client ID: ZZZZZZ	Batch ID: 61818	SOP 3034				Analysis Date: 7/20/2010			SeqNo: 2680210		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				

Sample ID: LCS-61818	SampType: LCS	Units: mg/L				Prep Date: 7/16/2010			RunNo: 138008		
Client ID: ZZZZZZ	Batch ID: 61818	SOP 3034				Analysis Date: 7/20/2010			SeqNo: 2680211		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	2.18	0.0500	2.000	0	108.8	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: 10070642-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/16/2010		RunNo: 138008			
Client ID: 6785-treated-7/16/10		Batch ID: 61818		SOP 3034		Analysis Date: 7/20/2010		SeqNo: 2680213			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	2.21	0.0500	2.000	0	110.7	75	125				
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Sample ID: 10070642-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/16/2010		RunNo: 138008			
Client ID: 6785-treated-7/16/10		Batch ID: 61818		SOP 3034		Analysis Date: 7/20/2010		SeqNo: 2680214			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	2.23	0.0500	2.000	0	111.4	75	125	2.214	0.675	20	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MB-61817		SampType: MBLK		Units: mg/L		Prep Date: 7/16/2010			RunNo: 137957		
Client ID: ZZZZZZ		Batch ID: 61817		SOP 3044		Analysis Date: 7/19/2010			SeqNo: 2678447		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61817		SampType: LCS		Units: mg/L		Prep Date: 7/16/2010			RunNo: 137957		
Client ID: ZZZZZZ		Batch ID: 61817		SOP 3044		Analysis Date: 7/19/2010			SeqNo: 2678448		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0169	0.0020	0.01500	0	112.9	80	120			
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Sample ID: 10070642-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/16/2010		RunNo: 137957			
Client ID: 6785-treated-7/16/10		Batch ID: 61817		SOP 3044		Analysis Date: 7/19/2010		SeqNo: 2678450			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0149	0.0020	0.01500	0.001120	92.1	70	130			
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Sample ID: 10070642-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/16/2010			RunNo: 137957		
Client ID: 6785-treated-7/16/10		Batch ID: 61817		SOP 3044		Analysis Date: 7/19/2010			SeqNo: 2678451		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0160	0.0020	0.01500	0.001120	99.3	70	130	0.01494	7.00	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MB-61843		SampType: MBLK		Units: mg/L		Prep Date: 7/19/2010			RunNo: 137967		
Client ID: ZZZZZZ		Batch ID: 61843		SOP 3062		Analysis Date: 7/19/2010			SeqNo: 2678615		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-61843		SampType: LCS			Units: mg/L		Prep Date: 7/19/2010			RunNo: 137967		
Client ID: ZZZZZZ		Batch ID: 61843			SOP 3062		Analysis Date: 7/19/2010			SeqNo: 2678616		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00474	0.00020	0.005000	0	94.8	85	115				
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Sample ID: 10070642-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/19/2010			RunNo: 137967		
Client ID: 6785-treated-7/16/10		Batch ID: 61843		SOP 3062		Analysis Date: 7/19/2010			SeqNo: 2678618		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00466	0.00020	0.005000	0	93.2	75	125				
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Sample ID: 10070642-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/19/2010			RunNo: 137967		
Client ID: 6785-treated-7/16/10		Batch ID: 61843		SOP 3062		Analysis Date: 7/19/2010			SeqNo: 2678619		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00469	0.00020	0.005000	0	93.8	75	125	0.004660	0.642	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: LCS-T100716-1		SampType: LCS		Units: µg/L		Prep Date: 7/16/2010		RunNo: 137958			
Client ID: ZZZZZZ		Batch ID: 61841		SW5030		Analysis Date: 7/16/2010		SeqNo: 2678463			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.7	2.0	50.00	0	95.4	82.7	117				
Ethylbenzene	45.9	5.0	50.00	0	91.8	83	113				
Toluene	46.9	5.0	50.00	0	93.8	79.6	116				
Xylenes, Total	143	5.0	150.0	0	95.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.0		50.00		102.0	74.7	129				
Surr: 4-Bromofluorobenzene	50.4		50.00		100.9	86	119				
Surr: Dibromofluoromethane	49.7		50.00		99.4	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.5	84.3	114				

Sample ID: LCSD-T100716-1		SampType: LCSD		Units: µg/L		Prep Date: 7/16/2010		RunNo: 137958			
Client ID: ZZZZZZ		Batch ID: 61841		SW5030		Analysis Date: 7/16/2010		SeqNo: 2678464			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.7	2.0	50.00	0	97.5	82.7	117	47.71	2.12	20	
Ethylbenzene	47.2	5.0	50.00	0	94.3	83	113	45.89	2.71	20	
Toluene	48.3	5.0	50.00	0	96.6	79.6	116	46.92	2.86	20	
Xylenes, Total	145	5.0	150.0	0	96.9	80.3	120	142.7	1.84	20	
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.6		50.00		101.3	86	119		0	0	
Surr: Dibromofluoromethane	50.3		50.00		100.5	81.7	123		0	0	
Surr: Toluene-d8	49.4		50.00		98.7	84.3	114		0	0	

Sample ID: MBLK-T100716-1		SampType: MBLK		Units: µg/L		Prep Date: 7/16/2010		RunNo: 137958			
Client ID: ZZZZZZ		Batch ID: 61841		SW5030		Analysis Date: 7/16/2010		SeqNo: 2678465			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	1.0	5.0									J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MBLK-T100716-1		SampType: MBLK		Units: µg/L		Prep Date: 7/16/2010				RunNo: 137958		
Client ID: ZZZZZZ		Batch ID: 61841		SW5030		Analysis Date: 7/16/2010				SeqNo: 2678465		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.1	74.7	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.5	86	119				
Surr: Dibromofluoromethane	49.4		50.00		98.8	81.7	123				
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114				

Sample ID: 10070642-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/16/2010			RunNo: 137958		
Client ID: 6785-treated-7/16/10		Batch ID: 61841		SW5030		Analysis Date: 7/16/2010			SeqNo: 2678475		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	65.9	2.0	56.00	2.760	112.8	57.8	125				
Toluene	63.6	5.0	56.00	0	113.5	75.8	123				
Ethylbenzene	62.2	5.0	56.00	0	111.1	72.8	123				
Xylenes, Total	127	5.0	112.0	0	113.0	73	127				
Surr: 1,2-Dichloroethane-d4	50.8		50.00		101.6	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119				
Surr: Dibromofluoromethane	50.3		50.00		100.6	81.7	123				
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114				

Sample ID: 10070642-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/16/2010			RunNo: 137958		
Client ID: 6785-treated-7/16/10		Batch ID: 61841		SW5030		Analysis Date: 7/16/2010			SeqNo: 2678476		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	66.5	2.0	56.00	2.760	113.9	57.8	125	65.92	0.906	20	
Toluene	64.0	5.0	56.00	0	114.2	75.8	123	63.55	0.627	20	
Ethylbenzene	63.0	5.0	56.00	0	112.4	72.8	123	62.23	1.15	20	
Xylenes, Total	129	5.0	112.0	0	115.4	73	127	126.6	2.12	20	
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.0		50.00		102.0	86	119		0	0	
Surr: Dibromofluoromethane	51.0		50.00		102.0	81.7	123		0	0	
Surr: Toluene-d8	48.5		50.00		97.1	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: MB-61785		SampType: MBLK		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137940		
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/16/2010			SeqNo: 2677927		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00331		0.005000		66.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00479		0.01000		47.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00371		0.005000		74.2	39.9	106				
Surr: Phenol-d5	0.00316		0.01000		31.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00375		0.005000		75.0	53	116				

Sample ID: LCS-61785		SampType: LCS		Units: mg/L		Prep Date: 7/15/2010			RunNo: 137940		
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/17/2010			SeqNo: 2677928		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00332	0.00010	0.005000	0	66.5	50.1	103				
Acenaphthylene	0.00340	0.00010	0.005000	0	68.0	53.3	122				
Anthracene	0.00339	0.00010	0.005000	0	67.8	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: LCS-61785		SampType: LCS		Units: mg/L		Prep Date: 7/15/2010		RunNo: 137940			
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/17/2010		SeqNo: 2677928			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00318	0.00010	0.005000	0	63.6	56	102				
Benzo(a)pyrene	0.00353	0.00010	0.005000	0	70.6	55.4	125				
Benzo(b)fluoranthene	0.00348	0.00010	0.005000	0	69.6	59.3	127				
Benzo(g,h,i)perylene	0.00367	0.00010	0.005000	0	73.4	58.4	125				
Benzo(k)fluoranthene	0.00356	0.00010	0.005000	0	71.1	61.5	125				
Chrysene	0.00351	0.00010	0.005000	0	70.3	58.7	118				
Dibenzo(a,h)anthracene	0.00371	0.00010	0.005000	0	74.1	59.3	126				
Fluoranthene	0.00342	0.00010	0.005000	0	68.5	60.1	117				
Fluorene	0.00341	0.00010	0.005000	0	68.1	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00368	0.00010	0.005000	0	73.5	58.1	123				
Naphthalene	0.00313	0.00010	0.005000	0	62.6	36.3	97.1				
Phenanthrene	0.00344	0.00010	0.005000	0	68.7	55.9	107				
Pyrene	0.00343	0.00010	0.005000	0	68.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00369		0.005000		73.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00520		0.01000		52.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00393		0.005000		78.5	39.9	106				
Surr: Phenol-d5	0.00328		0.01000		32.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00407		0.005000		81.3	53	116				

Sample ID: LCSD-61785		SampType: LCSD		Units: mg/L		Prep Date: 7/15/2010		RunNo: 137940			
Client ID: ZZZZZZ		Batch ID: 61785		SW3510C		Analysis Date: 7/17/2010		SeqNo: 2677929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00313	0.00010	0.005000	0	62.7	50.1	103	0.003325	5.95	50	
Acenaphthylene	0.00334	0.00010	0.005000	0	66.7	53.3	122	0.003402	1.93	50	
Anthracene	0.00344	0.00010	0.005000	0	68.8	57.4	110	0.003388	1.55	50	
Benzo(a)anthracene	0.00309	0.00010	0.005000	0	61.8	56	102	0.003182	2.87	50	
Benzo(a)pyrene	0.00342	0.00010	0.005000	0	68.4	55.4	125	0.003531	3.22	50	
Benzo(b)fluoranthene	0.00347	0.00010	0.005000	0	69.4	59.3	127	0.003480	0.259	50	
Benzo(g,h,i)perylene	0.00357	0.00010	0.005000	0	71.5	58.4	125	0.003669	2.65	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070642

Report Date: 22-Jul-10

Sample ID: LCSD-61785	SampType: LCSD	Units: mg/L				Prep Date: 7/15/2010			RunNo: 137940		
Client ID: ZZZZZZ	Batch ID: 61785	SW3510C				Analysis Date: 7/17/2010			SeqNo: 2677929		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00344	0.00010	0.005000	0	68.8	61.5	125	0.003555	3.35	50	
Chrysene	0.00344	0.00010	0.005000	0	68.7	58.7	118	0.003513	2.19	50	
Dibenzo(a,h)anthracene	0.00353	0.00010	0.005000	0	70.5	59.3	126	0.003706	4.98	50	
Fluoranthene	0.00335	0.00010	0.005000	0	67.0	60.1	117	0.003425	2.18	50	
Fluorene	0.00335	0.00010	0.005000	0	66.9	54.1	110	0.003407	1.78	50	
Indeno(1,2,3-cd)pyrene	0.00356	0.00010	0.005000	0	71.3	58.1	123	0.003676	3.09	50	
Naphthalene	0.00312	0.00010	0.005000	0	62.3	36.3	97.1	0.003129	0.384	50	
Phenanthrene	0.00348	0.00010	0.005000	0	69.5	55.9	107	0.003435	1.19	50	
Pyrene	0.00351	0.00010	0.005000	0	70.2	61.4	116	0.003430	2.28	50	
Surr: 2-Fluorobiphenyl	0.00345		0.005000		69.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00489		0.01000		48.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00394		0.005000		78.8	39.9	106		0	50	
Surr: Phenol-d5	0.00317		0.01000		31.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00405		0.005000		80.9	53	116		0	50	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070642

Report Date: 22-Jul-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

16-Jul-10

Marvin L. Darling

Reviewed by:

On:

16-Jul-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 09902**

10070642

Project Name: <u>Ameren Champaign</u> Project Mgr.: <u>P. Szazama</u>		Analyses by Method Name and Number	
Project Number: <u>624-0908-0120</u> Cost Code: <u>50002</u>		1 DAY	
Sampler(s): <u>J. Crompton</u>		Laboratory Temperature upon Receipt 3.8°C	
Name: <u>Teklab</u>		1000	
Location: <u>Collinsville</u>		Comments (Field PID)	
Sample Number and (depth)	Date	Time	Lab ID #s
6785-frieded-7/16/10	7/16/10	0920	10070642-001
Total Number of Containers			7
Matrix			
Soil			
Water			
Air			
Wipes			
Other *			
BTEX 8260			X
SVOCs 8270.545			X
PCMA Metals			X
Total & Available Cyanide			X
TSS			X
PH			X
BODs			X
Comments (Field PID)			Teklab, Inc.
Comments (Field PID)			Courier Pick Up

Samples Iced: ☒ Yes ☐ No		Lab Directives:	
Preservatives (ONLY for Water Samples)		Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
☒ Volatile Organics Hydrochloric acid (HCl)		Fax and/or Mail Results to: <u>P. Szazama and L. Hoosier</u>	
☐ VOC Soil (5035) Sodium Bisulfate/Methanol		Send Invoice to: _____	
☐ TPH Hydrochloric acid and/or Sulfuric acid		QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
☒ Metals Nitric acid (HNO ₃)		Special Guidelines: _____	
☒ Cyanide Sodium hydroxide (NaOH)		Reporting Limits: _____	
☐ Other (Specify)		* Special: _____	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature		Signature	
		7/16/10 0948		7/16/10 0948	
		7/16/10 1505		7/16/10 1345	

July 27, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
62403053

WorkOrder: 10070734

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/20/2010 11:13:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10070734

Report Date: 27-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070734-001	4091-treated-7-19-10	6	7/19/2010 2:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 62403053

LabOrder: 10070734

Report Date: 27-Jul-10

Cooler Receipt Temp: 3.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070734

Lab ID: 10070734-001

Report Date: 27-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-7-19-10

Collection Date: 7/19/2010 2:00:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.0		1	7/20/2010 1:57:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		14	mg/L	1	7/21/2010 10:20:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 4500-CN C E</u>								
Cyanide, Total	NELAP	0.008		0.112	mg/L	1	7/21/2010 9:00:00 AM	MVS
<u>STANDARD METHODS 18TH ED. 4500-CN G E</u>								
Cyanide, Amenable to Chlorination	NELAP	0.008		Interference	mg/L	1	7/21/2010 9:00:00 AM	MVS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		64	mg/L	1	7/21/2010 11:50:00 AM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/21/2010 10:16:04 AM	LAL
Barium	NELAP	0.0050		0.178	mg/L	1	7/21/2010 10:16:04 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/21/2010 10:16:04 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/21/2010 10:16:04 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/21/2010 10:16:04 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/21/2010 10:16:04 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	7/21/2010 1:15:00 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00015	mg/L	1	7/20/2010 4:40:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00042	mg/L	1	7/20/2010 4:40:00 PM	MAV
Anthracene	NELAP	0.00010		0.00011	mg/L	1	7/20/2010 4:40:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Fluoranthene	NELAP	0.00010	J	0.00009	mg/L	1	7/20/2010 4:40:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/20/2010 4:40:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00078	mg/L	1	7/20/2010 4:40:00 PM	MAV
Phenanthrene	NELAP	0.00010		0.00023	mg/L	1	7/20/2010 4:40:00 PM	MAV
Pyrene	NELAP	0.00010		0.00012	mg/L	1	7/20/2010 4:40:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00112	mg/L	1	7/20/2010 4:40:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		77.8	%REC	1	7/20/2010 4:40:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		44.8	%REC	1	7/20/2010 4:40:00 PM	MAV

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070734

Lab ID: 10070734-001

Report Date: 27-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-7-19-10

Collection Date: 7/19/2010 2:00:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Surr: Nitrobenzene-d5		37.6-105		96.2	%REC	1	7/20/2010 4:40:00 PM	MAV
Surr: Phenol-d5		11-42.8		27.9	%REC	1	7/20/2010 4:40:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		84.2	%REC	1	7/20/2010 4:40:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		4.5	µg/L	1	7/20/2010 4:14:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/20/2010 4:14:00 PM	CCF
Toluene	NELAP	5.0	J	1.2	µg/L	1	7/20/2010 4:14:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/20/2010 4:14:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		106.2	%REC	1	7/20/2010 4:14:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		97.7	%REC	1	7/20/2010 4:14:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		99.3	%REC	1	7/20/2010 4:14:00 PM	CCF
Surr: Toluene-d8		84.3-114		98.3	%REC	1	7/20/2010 4:14:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/20/2010	MEK

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP
Project: A831-735002-012901-225/Ameren Champaign 62403053
Lab Order: 10070734
Report Date: 27-Jul-10

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070734-001A	4091-treated-7-19-10	7/19/2010	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/20/2010 2:19:22 PM	7/20/2010 4:40:00 PM
10070734-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/20/2010 1:57:00 PM
				Standard Methods 18th Ed. 2540 D		7/21/2010 10:20:00 AM
				Standard Methods 18th Ed. 5210 B	7/21/2010 11:50:00 AM	7/21/2010 11:50:00 AM
10070734-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/20/2010 4:52:05 PM	7/21/2010 10:16:04 AM
				SW-846 3020A, Metals by GFAA (Total)	7/20/2010 1:07:13 PM	7/21/2010 1:15:00 PM
				SW-846 7470A (Total)	7/20/2010 11:35:03 AM	7/20/2010
10070734-001D				Standard Methods 18th Ed. 4500-CN C E	7/20/2010 1:00:00 PM	7/21/2010 9:00:00 AM
10070734-001E				Standard Methods 18th Ed. 4500-CN G E	7/20/2010 1:00:00 PM	7/21/2010 9:00:00 AM
10070734-001F				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/20/2010 4:14:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-R138082		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138082		
Client ID: ZZZZZZ		Batch ID: R138082					Analysis Date: 7/21/2010			SeqNo: 2681458	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R138082		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138082		
Client ID: ZZZZZZ		Batch ID: R138082			Analysis Date: 7/21/2010			SeqNo: 2681459				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138082		
Client ID: ZZZZZZ		Batch ID: R138082			Analysis Date: 7/21/2010			SeqNo: 2681481				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: 10070734-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 138082		
Client ID: 4091-treated-7-19-10		Batch ID: R138082		Analysis Date: 7/21/2010						SeqNo: 2681488	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	13	6						14.00	7.41	15	
------------------------	----	---	--	--	--	--	--	-------	------	----	--

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 138082		
Client ID: ZZZZZZ	Batch ID: R138082					Analysis Date: 7/21/2010				SeqNo: 2681491		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M2540 D

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-R138082		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138082		
Client ID: ZZZZZZ		Batch ID: R138082			Analysis Date: 7/21/2010			SeqNo: 2681724				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	< 2	2										

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-CN CE

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61902	SampType: MBLK	Units: mg/L	Prep Date: 7/20/2010	RunNo: 138003							
Client ID: ZZZZZZ	Batch ID: 61902	SOP 2090	Analysis Date: 7/20/2010	SeqNo: 2681652							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	< 0.007	0.007									

Sample ID: LCS-61902		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010		RunNo: 138003			
Client ID: ZZZZZZ		Batch ID: 61902			SOP 2090		Analysis Date: 7/20/2010		SeqNo: 2681653			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total		0.180	0.007	0.2000	0	90.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-CN GE

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61901	SampType: MBLK	Units: mg/L			Prep Date: 7/20/2010			RunNo: 138003			
Client ID: ZZZZZZ	Batch ID: 61901	SOP2092			Analysis Date: 7/20/2010			SeqNo: 2681654			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	< 0.007	0.007									

Sample ID: LCS-61901	SampType: LCS	Units: mg/L			Prep Date: 7/20/2010			RunNo: 138003			
Client ID: ZZZZZZ	Batch ID: 61901	SOP2092			Analysis Date: 7/20/2010			SeqNo: 2681655			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	0.358	0.007	0.4000	0	89.5	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M4500-H B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: LCS-R138026		SampType: LCS			Units:		Prep Date:			RunNo: 138026		
Client ID: ZZZZZZ		Batch ID: R138026						Analysis Date: 7/20/2010			SeqNo: 2680149	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10070734-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 138026		
Client ID: 4091-treated-7-19-10		Batch ID: R138026				Analysis Date: 7/20/2010			SeqNo: 2680154		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	12.0	1.00						11.96	0.0836	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: M5210 B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: LCS-61934	SampType: LCS	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138237			
Client ID: ZZZZZZ	Batch ID: 61934	SOP 2030			Analysis Date: 7/21/2010			SeqNo: 2685053			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	210	5	198.0	0	106.1	84.6	115.4				
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Sample ID: 10070734-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138237			
Client ID: 4091-treated-7-19-10	Batch ID: 61934	SOP 2030			Analysis Date: 7/21/2010			SeqNo: 2685058			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	61	5						64.00	4.80	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61889		SampType: MBLK		Units: mg/L		Prep Date: 7/20/2010				RunNo: 138041		
Client ID: ZZZZZZ		Batch ID: 61889		SOP 3034		Analysis Date: 7/21/2010				SeqNo: 2680817		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.010000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.010000	0	0	-100	100				

Sample ID: LCS-61889		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138041		
Client ID: ZZZZZZ		Batch ID: 61889			SOP 3034		Analysis Date: 7/21/2010			SeqNo: 2680819		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Barium	2.01	0.0050	2.000	0	100.5	85	115				
Cadmium	0.0509	0.0020	0.050000	0	101.8	85	115				
Chromium	0.214	0.0100	0.2000	0	107.2	85	115				
Silver	0.0562	0.0100	0.050000	0	112.4	85	115				

Sample ID: MB-61889		SampType: MBLK			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138113		
Client ID: ZZZZZZ		Batch ID: 61889			SOP 3034		Analysis Date: 7/22/2010			SeqNo: 2682737		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
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Sample ID: LCS-61889		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138113		
Client ID: ZZZZZZ		Batch ID: 61889			SOP 3034		Analysis Date: 7/22/2010			SeqNo: 2682738		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	0.0465	0.0020	0.050000	0	93.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61889		SampType: MBLK		Units: mg/L		Prep Date: 7/20/2010			RunNo: 138148		
Client ID: ZZZZZZ		Batch ID: 61889		SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2683337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				
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Sample ID: LCS-61889		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138148		
Client ID: ZZZZZZ		Batch ID: 61889			SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2683338		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Silver	0.0555	0.0100	0.05000	0	111.0	85	115				
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Sample ID: MB-61889	SampType: MBLK	Units: mg/L			Prep Date: 7/20/2010			RunNo: 138041			
Client ID: ZZZZZZ	Batch ID: 61889	SOP 3034			Analysis Date: 7/21/2010			SeqNo: 2680818			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61889		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138041		
Client ID: ZZZZZZ		Batch ID: 61889			SOP 3034		Analysis Date: 7/21/2010			SeqNo: 2680820		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	2.15	0.0250	2.000	0	107.4	85	115				
Barium	2.01	0.0050	2.000	0	100.5	85	115				
Cadmium	0.0509	0.0020	0.05000	0	101.8	85	115				
Chromium	0.214	0.0100	0.2000	0	107.2	85	115				
Selenium	2.07	0.0500	2.000	0	103.4	85	115				
Silver	0.0562	0.0100	0.05000	0	112.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW6010B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: 10070734-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/20/2010		RunNo: 138041			
Client ID: 4091-treated-7-19-10		Batch ID: 61889		SOP 3034		Analysis Date: 7/21/2010		SeqNo: 2680822			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	106.2	75	125				
Barium	2.01	0.0050	2.000	0.1777	91.8	75	125				
Cadmium	0.0468	0.0020	0.05000	0	93.6	75	125				
Chromium	0.207	0.0100	0.2000	0	103.5	75	125				
Selenium	2.08	0.0500	2.000	0	104.0	75	125				
Silver	0.0503	0.0100	0.05000	0	100.6	75	125				

Sample ID: 10070734-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/20/2010		RunNo: 138041			
Client ID: 4091-treated-7-19-10		Batch ID: 61889		SOP 3034		Analysis Date: 7/21/2010		SeqNo: 2680823			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.6	75	125	2.123	1.47	20	
Barium	1.98	0.0050	2.000	0.1777	89.9	75	125	2.014	1.90	20	
Cadmium	0.0463	0.0020	0.05000	0	92.6	75	125	0.04680	1.07	20	
Chromium	0.203	0.0100	0.2000	0	101.5	75	125	0.2070	1.95	20	
Selenium	2.06	0.0500	2.000	0	103.0	75	125	2.079	0.967	20	
Silver	0.0493	0.0100	0.05000	0	98.6	75	125	0.05030	2.01	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7000 G

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61862		SampType: MBLK			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138070		
Client ID: ZZZZZZ		Batch ID: 61862			SOP 3044		Analysis Date: 7/21/2010			SeqNo: 2681273		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61862		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138070		
Client ID: ZZZZZZ		Batch ID: 61862			SOP 3044		Analysis Date: 7/21/2010			SeqNo: 2681274		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0154	0.0020	0.01500	0	102.9	80	120			
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Sample ID: 10070734-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/20/2010			RunNo: 138070		
Client ID: 4091-treated-7-19-10		Batch ID: 61862		SOP 3044		Analysis Date: 7/21/2010			SeqNo: 2681276		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0139	0.0020	0.01500	0	92.8	70	130			
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Sample ID: 10070734-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/20/2010			RunNo: 138070		
Client ID: 4091-treated-7-19-10		Batch ID: 61862		SOP 3044		Analysis Date: 7/21/2010			SeqNo: 2681277		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0132	0.0020	0.01500	0	88.1	70	130	0.01392	5.18	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61868		SampType: MBLK		Units: mg/L		Prep Date: 7/20/2010			RunNo: 138033		
Client ID: ZZZZZZ		Batch ID: 61868		SOP 3062		Analysis Date: 7/20/2010			SeqNo: 2680343		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100
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Sample ID: LCS-61868		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138033		
Client ID: ZZZZZZ		Batch ID: 61868			SOP 3062		Analysis Date: 7/20/2010			SeqNo: 2680344		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00473	0.00020	0.005000	0	94.6	85	115
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Sample ID: MB-61868	SampType: MBLK	Units: mg/L			Prep Date: 7/20/2010			RunNo: 138033			
Client ID: ZZZZZZ	Batch ID: 61868	SOP 3062			Analysis Date: 7/20/2010			SeqNo: 2680341			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100
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Sample ID: LCS-61868		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138033		
Client ID: ZZZZZZ		Batch ID: 61868			SOP 3062		Analysis Date: 7/20/2010			SeqNo: 2680342		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00473	0.00020	0.005000	0	94.6	85	115
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Sample ID: 10070734-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/20/2010			RunNo: 138033		
Client ID: 4091-treated-7-19-10		Batch ID: 61868		SOP 3062		Analysis Date: 7/20/2010			SeqNo: 2680403		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00473	0.00020	0.005000	0	94.6	75	125
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW7470 A

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: 10070734-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/20/2010		RunNo: 138033			
Client ID: 4091-treated-7-19-10		Batch ID: 61868		SOP 3062		Analysis Date: 7/20/2010		SeqNo: 2680404			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00466	0.00020	0.005000	0	93.2	75	125	0.004730	1.49	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: LCS-N100720-1	SampType: LCS	Units: µg/L			Prep Date: 7/20/2010			RunNo: 138034			
Client ID: ZZZZZZ	Batch ID: 61888	SW5030			Analysis Date: 7/20/2010			SeqNo: 2680410			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.5	2.0	50.00	0	97.1	82.7	117				
Ethylbenzene	49.2	5.0	50.00	0	98.5	83	113				
Toluene	48.5	5.0	50.00	0	96.9	79.6	116				
Xylenes, Total	150	5.0	150.0	0	99.9	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104.5	74.7	129				
Surr: 4-Bromofluorobenzene	49.6		50.00		99.2	86	119				
Surr: Dibromofluoromethane	51.6		50.00		103.2	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.1	84.3	114				

Sample ID: LCSD-N100720-1	SampType: LCSD	Units: µg/L			Prep Date: 7/20/2010			RunNo: 138034			
Client ID: ZZZZZZ	Batch ID: 61888	SW5030			Analysis Date: 7/20/2010			SeqNo: 2680411			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.0	2.0	50.00	0	98.0	82.7	117	48.54	0.964	20	
Ethylbenzene	50.9	5.0	50.00	0	101.7	83	113	49.23	3.28	20	
Toluene	50.4	5.0	50.00	0	100.9	79.6	116	48.47	3.96	20	
Xylenes, Total	154	5.0	150.0	0	102.7	80.3	120	149.9	2.71	20	
Surr: 1,2-Dichloroethane-d4	50.1		50.00		100.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119		0	0	
Surr: Dibromofluoromethane	50.1		50.00		100.2	81.7	123		0	0	
Surr: Toluene-d8	50.8		50.00		101.6	84.3	114		0	0	

Sample ID: MBLK-N100720-1	SampType: MBLK	Units: µg/L			Prep Date: 7/20/2010			RunNo: 138034			
Client ID: ZZZZZZ	Batch ID: 61888	SW5030			Analysis Date: 7/20/2010			SeqNo: 2680412			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8260B

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MBLK-N100720-1	SampType: MBLK	Units: µg/L				Prep Date: 7/20/2010				RunNo: 138034		
Client ID: ZZZZZZ	Batch ID: 61888	SW5030				Analysis Date: 7/20/2010				SeqNo: 2680412		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.9	74.7	129				
Surr: 4-Bromofluorobenzene	48.2		50.00		96.4	86	119				
Surr: Dibromofluoromethane	50.1		50.00		100.3	81.7	123				
Surr: Toluene-d8	48.0		50.00		96.1	84.3	114				

Sample ID: 10070734-001FMS	SampType: MS	Units: µg/L			Prep Date: 7/20/2010			RunNo: 138034			
Client ID: 4091-treated-7-19-10	Batch ID: 61888	SW5030			Analysis Date: 7/20/2010			SeqNo: 2680858			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.9	2.0	48.00	4.540	94.6	57.8	125				
Toluene	54.4	5.0	48.00	1.250	110.7	75.8	123				
Ethylbenzene	58.5	5.0	48.00	0	121.8	72.8	123				
Xylenes, Total	119	5.0	96.00	0	123.8	73	127				
Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	74.7	129				
Surr: 4-Bromofluorobenzene	47.7		50.00		95.4	86	119				
Surr: Dibromofluoromethane	47.4		50.00		94.9	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114				

Sample ID: 10070734-001FMSD	SampType: MSD	Units: µg/L			Prep Date: 7/20/2010			RunNo: 138034			
Client ID: 4091-treated-7-19-10	Batch ID: 61888	SW5030			Analysis Date: 7/20/2010			SeqNo: 2680859			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	48.4	2.0	48.00	4.540	91.4	57.8	125	49.94	3.09	20	
Toluene	52.9	5.0	48.00	1.250	107.7	75.8	123	54.39	2.70	20	
Ethylbenzene	56.9	5.0	48.00	0	118.6	72.8	123	58.47	2.67	20	
Xylenes, Total	115	5.0	96.00	0	119.5	73	127	118.8	3.54	20	
Surr: 1,2-Dichloroethane-d4	50.2		50.00		100.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.0		50.00		96.0	86	119		0	0	
Surr: Dibromofluoromethane	46.6		50.00		93.1	81.7	123		0	0	
Surr: Toluene-d8	49.3		50.00		98.6	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: MB-61872		SampType: MBLK		Units: mg/L		Prep Date: 7/20/2010			RunNo: 138039		
Client ID: ZZZZZZ		Batch ID: 61872		SW3510C		Analysis Date: 7/20/2010			SeqNo: 2680642		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00348		0.005000		69.5	41.9	97.9				
Surr: 2-Fluorophenol	0.00493		0.01000		49.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00416		0.005000		83.3	39.9	106				
Surr: Phenol-d5	0.00324		0.01000		32.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00394		0.005000		78.9	53	116				

Sample ID: LCS-61872		SampType: LCS			Units: mg/L		Prep Date: 7/20/2010			RunNo: 138039		
Client ID: ZZZZZZ		Batch ID: 61872			SW3510C		Analysis Date: 7/20/2010			SeqNo: 2680643		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00366	0.00010	0.005000	0	73.3	50.1	103				
Acenaphthylene	0.00368	0.00010	0.005000	0	73.6	53.3	122				
Anthracene	0.00370	0.00010	0.005000	0	73.9	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: LCS-61872		SampType: LCS		Units: mg/L		Prep Date: 7/20/2010		RunNo: 138039			
Client ID: ZZZZZZ		Batch ID: 61872		SW3510C		Analysis Date: 7/20/2010		SeqNo: 2680643			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00329	0.00010	0.005000	0	65.8	56	102				
Benzo(a)pyrene	0.00370	0.00010	0.005000	0	74.0	55.4	125				
Benzo(b)fluoranthene	0.00375	0.00010	0.005000	0	74.9	59.3	127				
Benzo(g,h,i)perylene	0.00413	0.00010	0.005000	0	82.6	58.4	125				
Benzo(k)fluoranthene	0.00372	0.00010	0.005000	0	74.3	61.5	125				
Chrysene	0.00370	0.00010	0.005000	0	73.9	58.7	118				
Dibenzo(a,h)anthracene	0.00418	0.00010	0.005000	0	83.6	59.3	126				
Fluoranthene	0.00362	0.00010	0.005000	0	72.3	60.1	117				
Fluorene	0.00366	0.00010	0.005000	0	73.2	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00411	0.00010	0.005000	0	82.2	58.1	123				
Naphthalene	0.00334	0.00010	0.005000	0	66.9	36.3	97.1				
Phenanthrene	0.00365	0.00010	0.005000	0	73.0	55.9	107				
Pyrene	0.00348	0.00010	0.005000	0	69.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00374		0.005000		74.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00527		0.01000		52.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00457		0.005000		91.5	39.9	106				
Surr: Phenol-d5	0.00347		0.01000		34.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00422		0.005000		84.4	53	116				

Sample ID: LCSD-61872		SampType: LCSD		Units: mg/L		Prep Date: 7/20/2010		RunNo: 138039			
Client ID: ZZZZZZ		Batch ID: 61872		SW3510C		Analysis Date: 7/20/2010		SeqNo: 2680644			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00353	0.00010	0.005000	0	70.6	50.1	103	0.003663	3.67	50	
Acenaphthylene	0.00353	0.00010	0.005000	0	70.6	53.3	122	0.003682	4.24	50	
Anthracene	0.00362	0.00010	0.005000	0	72.3	57.4	110	0.003696	2.19	50	
Benzo(a)anthracene	0.00327	0.00010	0.005000	0	65.3	56	102	0.003292	0.793	50	
Benzo(a)pyrene	0.00367	0.00010	0.005000	0	73.4	55.4	125	0.003702	0.841	50	
Benzo(b)fluoranthene	0.00373	0.00010	0.005000	0	74.5	59.3	127	0.003747	0.535	50	
Benzo(g,h,i)perylene	0.00405	0.00010	0.005000	0	80.9	58.4	125	0.004130	2.03	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 62403053

Test Number: SW8270C

Lab Order: 10070734

Report Date: 27-Jul-10

Sample ID: LCSD-61872	SampType: LCSD	Units: mg/L				Prep Date: 7/20/2010			RunNo: 138039		
Client ID: ZZZZZZ	Batch ID: 61872	SW3510C				Analysis Date: 7/20/2010			SeqNo: 2680644		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00359	0.00010	0.005000	0	71.9	61.5	125	0.003715	3.34	50	
Chrysene	0.00376	0.00010	0.005000	0	75.1	58.7	118	0.003697	1.56	50	
Dibenzo(a,h)anthracene	0.00409	0.00010	0.005000	0	81.8	59.3	126	0.004180	2.13	50	
Fluoranthene	0.00358	0.00010	0.005000	0	71.6	60.1	117	0.003616	0.973	50	
Fluorene	0.00350	0.00010	0.005000	0	69.9	54.1	110	0.003658	4.53	50	
Indeno(1,2,3-cd)pyrene	0.00405	0.00010	0.005000	0	81.1	58.1	123	0.004108	1.32	50	
Naphthalene	0.00332	0.00010	0.005000	0	66.4	36.3	97.1	0.003343	0.751	50	
Phenanthrene	0.00373	0.00010	0.005000	0	74.6	55.9	107	0.003650	2.19	50	
Pyrene	0.00355	0.00010	0.005000	0	71.1	61.4	116	0.003482	2.02	50	
Surr: 2-Fluorobiphenyl	0.00349		0.005000		69.7	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00501		0.01000		50.1	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00429		0.005000		85.8	39.9	106		0	50	
Surr: Phenol-d5	0.00320		0.01000		32.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00403		0.005000		80.5	53	116		0	50	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 62403053

Lab Order: 10070734

Report Date: 27-Jul-10

Carrier: Leslie Hoosier

Received By: MLD

Completed by:

On:

20-Jul-10

Dawn Brantley

Reviewed by:

On:

20-Jul-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

COC Serial No. B 09904

Project Name: Amereu Citizenship Project Mgr.: D. Szabo

Project Number: 624-9903-0120

Sampler(s): J. Czometa

Laboratory

Name:

Location: Countryside, IL

Sample Number and (depth)	Date	Time
4091-TREATED-7-19-10	7/19/10	1400

Total Number of Containers

Analyses by Method Name and Number

Index	8260
Stock	8270 \$
Rock	metals
total + metals	excludes
TSS	
pH	
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	X
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CH 4 ea d space
over. ✓ MLOII/
7/20/10 GHH

PII: 0010-0285(93)90001-0

Laboratory
Temperature upon
Receipt
3.4°C

ap | e | s | # |

245202001

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to be Completed by L

July 27, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070809

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/21/2010 1:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070809

Report Date: 27-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070809-001	2167-treated-7/21/10	5	7/21/2010 9:05:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070809

Report Date: 27-Jul-10

Cooler Receipt Temp: 4.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070809

Lab ID: 10070809-001

Report Date: 27-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2167-treated-7/21/10

Collection Date: 7/21/2010 9:05:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.79		1	7/21/2010 3:38:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		18	mg/L	1	7/22/2010 10:30:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		48	mg/L	1	7/21/2010 5:20:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/22/2010 10:30:45 AM	LAL
Barium	NELAP	0.0050		0.116	mg/L	1	7/22/2010 10:30:45 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/22/2010 10:30:45 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/22/2010 10:30:45 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/22/2010 10:30:45 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/22/2010 10:30:45 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	7/22/2010 12:04:36 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00038	mg/L	1	7/22/2010 11:47:00 AM	DMH
Acenaphthylene	NELAP	0.00010		0.00028	mg/L	1	7/22/2010 11:47:00 AM	DMH
Anthracene	NELAP	0.00010		0.00025	mg/L	1	7/22/2010 11:47:00 AM	DMH
Benzo(a)anthracene	NELAP	0.00010		0.00017	mg/L	1	7/22/2010 11:47:00 AM	DMH
Benzo(a)pyrene	NELAP	0.00010		0.00011	mg/L	1	7/22/2010 11:47:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.00010	J	0.00010	mg/L	1	7/22/2010 11:47:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/22/2010 11:47:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/22/2010 11:47:00 AM	DMH
Chrysene	NELAP	0.00010		0.00011	mg/L	1	7/22/2010 11:47:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/22/2010 11:47:00 AM	DMH
Fluoranthene	NELAP	0.00010		0.00029	mg/L	1	7/22/2010 11:47:00 AM	DMH
Fluorene	NELAP	0.00010		0.00021	mg/L	1	7/22/2010 11:47:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/22/2010 11:47:00 AM	DMH
Naphthalene	NELAP	0.00010		0.00265	mg/L	1	7/22/2010 11:47:00 AM	DMH
Phenanthrene	NELAP	0.00010		0.00078	mg/L	1	7/22/2010 11:47:00 AM	DMH
Pyrene	NELAP	0.00010		0.00042	mg/L	1	7/22/2010 11:47:00 AM	DMH
Total PNAs except Naphthalene		0.00013		0.00311	mg/L	1	7/22/2010 11:47:00 AM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		72.1	%REC	1	7/22/2010 11:47:00 AM	DMH
Surr: 2-Fluorophenol		16.8-65.9		42.8	%REC	1	7/22/2010 11:47:00 AM	DMH
Surr: Nitrobenzene-d5		37.6-105		90.7	%REC	1	7/22/2010 11:47:00 AM	DMH
Surr: Phenol-d5		11-42.8		23.0	%REC	1	7/22/2010 11:47:00 AM	DMH
Surr: p-Terphenyl-d14		49-113		83.4	%REC	1	7/22/2010 11:47:00 AM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10070809
Lab ID: 10070809-001
Report Date: 27-Jul-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 2167-treated-7/21/10
Collection Date: 7/21/2010 9:05:00 AM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		8.8	µg/L	1	7/22/2010 12:31:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/22/2010 12:31:00 PM	CCF
Toluene	NELAP	5.0	J	2.4	µg/L	1	7/22/2010 12:31:00 PM	CCF
Xylenes, Total	NELAP	5.0	J	1.3	µg/L	1	7/22/2010 12:31:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		100.6	%REC	1	7/22/2010 12:31:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		96.0	%REC	1	7/22/2010 12:31:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		97.7	%REC	1	7/22/2010 12:31:00 PM	CCF
Surr: Toluene-d8		84.3-114		101.9	%REC	1	7/22/2010 12:31:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/22/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		Interference	mg/L	20	7/22/2010 8:42:36 AM	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.151	S	0.209	mg/L	20	7/22/2010 8:42:36 AM	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070809-001A	2167-treated-7/21/10	7/21/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/21/2010 8:18:17 PM	7/22/2010 11:47:00 AM
10070809-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/21/2010 3:38:00 PM
				Standard Methods 18th Ed. 2540 D		7/22/2010 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	7/21/2010 5:20:00 PM	7/21/2010 5:20:00 PM
10070809-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/21/2010 4:40:26 PM	7/22/2010 10:30:45 AM
				SW-846 3020A, Metals by GFAA (Total)	7/21/2010 4:39:17 PM	7/22/2010 12:04:36 PM
				SW-846 7470A (Total)	7/22/2010 8:07:21 AM	7/22/2010
10070809-001D				SW-846 9012A		7/22/2010 8:42:36 AM
				SW-846 9012A (Total)		7/22/2010 8:42:36 AM
10070809-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/22/2010 12:31:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070809

Report Date: 27-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R138116		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138116		
Client ID: ZZZZZZ		Batch ID: R138116					Analysis Date: 7/22/2010			SeqNo: 2682101	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138116		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138116		
Client ID: ZZZZZZ		Batch ID: R138116			Analysis Date: 7/22/2010			SeqNo: 2682102				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: 10070809-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 138116		
Client ID: 2167-treated-7/21/10		Batch ID: R138116			Analysis Date: 7/22/2010			SeqNo: 2682105				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	20	6						18.00	10.5	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: LCS-R138074	SampType: LCS	Units:			Prep Date:			RunNo: 138074			
Client ID: ZZZZZZ	Batch ID: R138074				Analysis Date: 7/21/2010			SeqNo: 2681313			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10070809-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 138074			
Client ID: 2167-treated-7/21/10	Batch ID: R138074				Analysis Date: 7/21/2010			SeqNo: 2681452			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.80	1.00						8.790	0.114	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: LCS-61935	SampType: LCS	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138237			
Client ID: ZZZZZZ	Batch ID: 61935	SOP 2030			Analysis Date: 7/21/2010			SeqNo: 2685080			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	200	5	198.0	0	101.0	84.6	115.4				
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Sample ID: 10070809-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138237			
Client ID: 2167-treated-7/21/10	Batch ID: 61935	SOP 2030			Analysis Date: 7/21/2010			SeqNo: 2685087			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	49	5						48.00	2.06	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-61928	SampType: MBLK	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138092			
Client ID: ZZZZZZ	Batch ID: 61928	SOP 3034			Analysis Date: 7/22/2010			SeqNo: 2682043			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.010	0.0250	0.02500	0	41.2	-100	100				J
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61928	SampType: LCS	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138092		
Client ID: ZZZZZZ	Batch ID: 61928	SOP 3034				Analysis Date: 7/22/2010			SeqNo: 2682045		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.4	85	115				
Cadmium	0.0515	0.0020	0.05000	0	103.0	85	115				
Chromium	0.213	0.0100	0.2000	0	106.7	85	115				
Selenium	2.11	0.0500	2.000	0	105.4	85	115				
Silver	0.0564	0.0100	0.05000	0	112.8	85	115				

Sample ID: MB-61928	SampType: MBLK	Units: mg/L				Prep Date: 7/21/2010				RunNo: 138148		
Client ID: ZZZZZZ	Batch ID: 61928	SOP 3034				Analysis Date: 7/23/2010				SeqNo: 2683579		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.0081	0.0100	0.01000	0	81.0	-100	100				J	

Sample ID: LCS-61928	SampType: LCS	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138148			
Client ID: ZZZZZZ	Batch ID: 61928	SOP 3034			Analysis Date: 7/23/2010			SeqNo: 2683580			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.208	0.0100	0.2000	0	104.2	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-61928	SampType: MBLK	Units: mg/L			Prep Date: 7/21/2010			RunNo: 138092			
Client ID: ZZZZZZ	Batch ID: 61928	SOP 3034			Analysis Date: 7/22/2010			SeqNo: 2682044			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.010	0.0250	0.02500	0	41.2	-100	100				J
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61928	SampType: LCS	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138092		
Client ID: ZZZZZZ	Batch ID: 61928	SOP 3034				Analysis Date: 7/22/2010			SeqNo: 2682046		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.4	85	115				
Barium	2.02	0.0050	2.000	0	101.0	85	115				
Cadmium	0.0515	0.0020	0.05000	0	103.0	85	115				
Chromium	0.213	0.0100	0.2000	0	106.7	85	115				
Selenium	2.11	0.0500	2.000	0	105.4	85	115				
Silver	0.0564	0.0100	0.05000	0	112.8	85	115				

Sample ID: 10070809-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138092		
Client ID: 2167-treated-7/21/10		Batch ID: 61928		SOP 3034		Analysis Date: 7/22/2010			SeqNo: 2682048		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.19	0.0250	2.000	0	109.6	75	125				
Barium	2.03	0.0050	2.000	0.1162	95.6	75	125				
Cadmium	0.0497	0.0020	0.05000	0	99.4	75	125				
Chromium	0.211	0.0100	0.2000	0	105.3	75	125				
Selenium	2.14	0.0500	2.000	0	107.0	75	125				
Silver	0.0552	0.0100	0.05000	0	110.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: 10070809-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/21/2010		RunNo: 138092			
Client ID: 2167-treated-7/21/10		Batch ID: 61928		SOP 3034		Analysis Date: 7/22/2010		SeqNo: 2682049			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.4	75	125	2.191	4.86	20	
Barium	1.93	0.0050	2.000	0.1162	90.6	75	125	2.029	5.05	20	
Cadmium	0.0472	0.0020	0.05000	0	94.4	75	125	0.04970	5.16	20	
Chromium	0.196	0.0100	0.2000	0	98.0	75	125	0.2106	7.23	20	
Selenium	2.07	0.0500	2.000	0	103.6	75	125	2.139	3.23	20	
Silver	0.0522	0.0100	0.05000	0	104.4	75	125	0.05520	5.59	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-61927		SampType: MBLK		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138130		
Client ID: ZZZZZZ		Batch ID: 61927		SOP 3044		Analysis Date: 7/22/2010			SeqNo: 2682371		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61927		SampType: LCS			Units: mg/L		Prep Date: 7/21/2010			RunNo: 138130		
Client ID: ZZZZZZ		Batch ID: 61927			SOP 3044		Analysis Date: 7/22/2010			SeqNo: 2682372		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0133	0.0020	0.01500	0	89.0	80	120			
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Sample ID: 10070809-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138130		
Client ID: 2167-treated-7/21/10		Batch ID: 61927		SOP 3044		Analysis Date: 7/22/2010			SeqNo: 2682374		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0142	0.0020	0.01500	0	94.6	70	130			
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Sample ID: 10070809-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138130		
Client ID: 2167-treated-7/21/10		Batch ID: 61927		SOP 3044		Analysis Date: 7/22/2010			SeqNo: 2682375		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0136	0.0020	0.01500	0	90.7	70	130	0.01419	4.23	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-61938	SampType: MBLK	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ	Batch ID: 61938	SOP 3062				Analysis Date: 7/22/2010			SeqNo: 2682234		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61938	SampType: LCS	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ	Batch ID: 61938	SOP 3062				Analysis Date: 7/22/2010			SeqNo: 2682235		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				

Sample ID: MB-61938	SampType: MBLK	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ	Batch ID: 61938	SOP 3062				Analysis Date: 7/22/2010			SeqNo: 2682230		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61938	SampType: LCS	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ	Batch ID: 61938	SOP 3062				Analysis Date: 7/22/2010			SeqNo: 2682231		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				

Sample ID: MB-61938	SampType: MBLK	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ	Batch ID: 61938	SOP 3062				Analysis Date: 7/22/2010			SeqNo: 2682232		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: LCS-61938		SampType: LCS			Units: mg/L		Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ		Batch ID: 61938			SOP 3062		Analysis Date: 7/22/2010			SeqNo: 2682233		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				
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Sample ID: MB-61938		SampType: MBLK		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ		Batch ID: 61938		SOP 3062		Analysis Date: 7/22/2010			SeqNo: 2682248		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-61938		SampType: LCS			Units: mg/L		Prep Date: 7/21/2010			RunNo: 138124		
Client ID: ZZZZZZ		Batch ID: 61938			SOP 3062		Analysis Date: 7/22/2010			SeqNo: 2682249		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				
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Sample ID: 10070809-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/22/2010			RunNo: 138124		
Client ID: 2167-treated-7/21/10		Batch ID: 61938		SOP 3062		Analysis Date: 7/22/2010			SeqNo: 2682314		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00503	0.00020	0.005000	0	100.6	75	125				
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Sample ID: 10070809-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/22/2010			RunNo: 138124		
Client ID: 2167-treated-7/21/10		Batch ID: 61938		SOP 3062		Analysis Date: 7/22/2010			SeqNo: 2682315		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00501	0.00020	0.005000	0	100.2	75	125	0.005030	0.398	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-61938		SampType: MBLK			Units: mg/L		Prep Date: 7/21/2010		RunNo: 138124		
Client ID: ZZZZZZ		Batch ID: 61938			SOP 3062		Analysis Date: 7/22/2010		SeqNo: 2682246		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61938		SampType: LCS			Units: mg/L		Prep Date: 7/21/2010		RunNo: 138124		
Client ID: ZZZZZZ		Batch ID: 61938			SOP 3062		Analysis Date: 7/22/2010		SeqNo: 2682247		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: LCS-N100722-1	SampType: LCS	Units: µg/L			Prep Date: 7/22/2010			RunNo: 138133			
Client ID: ZZZZZZ	Batch ID: 61947	SW5030			Analysis Date: 7/22/2010			SeqNo: 2682443			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.9	2.0	50.00	0	95.9	82.7	117				
Ethylbenzene	48.4	5.0	50.00	0	96.9	83	113				
Toluene	48.2	5.0	50.00	0	96.5	79.6	116				
Xylenes, Total	147	5.0	150.0	0	98.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	48.9		50.00		97.8	74.7	129				
Surr: 4-Bromofluorobenzene	48.6		50.00		97.3	86	119				
Surr: Dibromofluoromethane	49.4		50.00		98.8	81.7	123				
Surr: Toluene-d8	50.0		50.00		100	84.3	114				

Sample ID: LCSD-N100722-1	SampType: LCSD	Units: µg/L			Prep Date: 7/22/2010			RunNo: 138133			
Client ID: ZZZZZZ	Batch ID: 61947	SW5030			Analysis Date: 7/22/2010			SeqNo: 2682444			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.6	2.0	50.00	0	93.2	82.7	117	47.94	2.79	20	
Ethylbenzene	47.0	5.0	50.00	0	94.1	83	113	48.44	2.95	20	
Toluene	48.0	5.0	50.00	0	96.0	79.6	116	48.23	0.499	20	
Xylenes, Total	144	5.0	150.0	0	96.0	80.3	120	147.4	2.31	20	
Surr: 1,2-Dichloroethane-d4	49.1		50.00		98.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.0		50.00		97.9	86	119		0	0	
Surr: Dibromofluoromethane	49.7		50.00		99.5	81.7	123		0	0	
Surr: Toluene-d8	50.1		50.00		100.2	84.3	114		0	0	

Sample ID: MBLK-N100722-1	SampType: MBLK	Units: µg/L			Prep Date: 7/22/2010			RunNo: 138133			
Client ID: ZZZZZZ	Batch ID: 61947	SW5030			Analysis Date: 7/22/2010			SeqNo: 2682445			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MBLK-N100722-1		SampType: MBLK		Units: µg/L		Prep Date: 7/22/2010		RunNo: 138133			
Client ID: ZZZZZZ		Batch ID: 61947		SW5030		Analysis Date: 7/22/2010		SeqNo: 2682445			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.1	74.7	129				
Surr: 4-Bromofluorobenzene	48.7		50.00		97.3	86	119				
Surr: Dibromofluoromethane	48.8		50.00		97.5	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.7	84.3	114				

Sample ID: 10070809-001EMS	SampType: MS	Units: µg/L			Prep Date: 7/22/2010			RunNo: 138133			
Client ID: 2167-treated-7/21/10	Batch ID: 61947	SW5030			Analysis Date: 7/22/2010			SeqNo: 2682447			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	63.1	2.0	48.00	8.800	113.1	57.8	125				
Toluene	58.3	5.0	48.00	2.440	116.4	75.8	123				
Ethylbenzene	56.8	5.0	48.00	0	118.4	72.8	123				
Xylenes, Total	113	5.0	96.00	1.330	116.8	73	127				
Surr: 1,2-Dichloroethane-d4	49.4		50.00		98.7	74.7	129				
Surr: 4-Bromofluorobenzene	48.2		50.00		96.5	86	119				
Surr: Dibromofluoromethane	46.9		50.00		93.8	81.7	123				
Surr: Toluene-d8	49.9		50.00		99.9	84.3	114				

Sample ID: 10070809-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/22/2010			RunNo: 138133		
Client ID: 2167-treated-7/21/10		Batch ID: 61947		SW5030		Analysis Date: 7/22/2010			SeqNo: 2682448		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	59.8	2.0	48.00	8.800	106.2	57.8	125	63.08	5.37	20	
Toluene	56.1	5.0	48.00	2.440	111.8	75.8	123	58.30	3.88	20	
Ethylbenzene	53.8	5.0	48.00	0	112.1	72.8	123	56.82	5.48	20	
Xylenes, Total	109	5.0	96.00	1.330	112.6	73	127	113.5	3.63	20	
Surr: 1,2-Dichloroethane-d4	49.0		50.00		98.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119		0	0	
Surr: Dibromofluoromethane	47.5		50.00		94.9	81.7	123		0	0	
Surr: Toluene-d8	49.2		50.00		98.5	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-61924		SampType: MBLK		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138115		
Client ID: ZZZZZZ		Batch ID: 61924		SW3510C		Analysis Date: 7/22/2010			SeqNo: 2682096		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0168		0.02500		67.3	41.9	97.9				
Surr: 2-Fluorophenol	0.0295		0.05000		59.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.0223		0.02500		89.1	39.9	106				
Surr: Phenol-d5	0.0213		0.05000		42.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.0216		0.02500		86.3	53	116				

Sample ID: LCS-61924		SampType: LCS		Units: mg/L		Prep Date: 7/21/2010			RunNo: 138115		
Client ID: ZZZZZZ		Batch ID: 61924		SW3510C		Analysis Date: 7/22/2010			SeqNo: 2682097		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00325	0.00010	0.005000	0	65.0	50.1	103				
Acenaphthylene	0.00315	0.00010	0.005000	0	63.0	53.3	122				
Anthracene	0.00347	0.00010	0.005000	0	69.5	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: LCS-61924		SampType: LCS		Units: mg/L		Prep Date: 7/21/2010		RunNo: 138115			
Client ID: ZZZZZZ		Batch ID: 61924		SW3510C		Analysis Date: 7/22/2010		SeqNo: 2682097			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00308	0.00010	0.005000	0	61.7	56	102				
Benzo(a)pyrene	0.00356	0.00010	0.005000	0	71.2	55.4	125				
Benzo(b)fluoranthene	0.00351	0.00010	0.005000	0	70.2	59.3	127				
Benzo(g,h,i)perylene	0.00394	0.00010	0.005000	0	78.9	58.4	125				
Benzo(k)fluoranthene	0.00347	0.00010	0.005000	0	69.5	61.5	125				
Chrysene	0.00332	0.00010	0.005000	0	66.4	58.7	118				
Dibenzo(a,h)anthracene	0.00400	0.00010	0.005000	0	80.1	59.3	126				
Fluoranthene	0.00341	0.00010	0.005000	0	68.1	60.1	117				
Fluorene	0.00327	0.00010	0.005000	0	65.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00395	0.00010	0.005000	0	79.1	58.1	123				
Naphthalene	0.00279	0.00010	0.005000	0	55.8	36.3	97.1				
Phenanthrene	0.00349	0.00010	0.005000	0	69.7	55.9	107				
Pyrene	0.00340	0.00010	0.005000	0	68.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.0161		0.02500		64.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0243		0.05000		48.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.0210		0.02500		84.1	39.9	106				
Surr: Phenol-d5	0.0167		0.05000		33.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.0220		0.02500		88.1	53	116				

Sample ID: LCSD-61924		SampType: LCSD		Units: mg/L		Prep Date: 7/21/2010		RunNo: 138115			
Client ID: ZZZZZZ		Batch ID: 61924		SW3510C		Analysis Date: 7/22/2010		SeqNo: 2682098			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00336	0.00010	0.005000	0	67.2	50.1	103	0.003252	3.21	50	
Acenaphthylene	0.00328	0.00010	0.005000	0	65.6	53.3	122	0.003149	4.08	50	
Anthracene	0.00355	0.00010	0.005000	0	71.0	57.4	110	0.003474	2.11	50	
Benzo(a)anthracene	0.00325	0.00010	0.005000	0	65.0	56	102	0.003084	5.30	50	
Benzo(a)pyrene	0.00355	0.00010	0.005000	0	71.0	55.4	125	0.003558	0.197	50	
Benzo(b)fluoranthene	0.00363	0.00010	0.005000	0	72.7	59.3	127	0.003511	3.44	50	
Benzo(g,h,i)perylene	0.00397	0.00010	0.005000	0	79.3	58.4	125	0.003945	0.531	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: LCSD-61924	SampType: LCSD	Units: mg/L				Prep Date: 7/21/2010			RunNo: 138115		
Client ID: ZZZZZZ	Batch ID: 61924	SW3510C				Analysis Date: 7/22/2010			SeqNo: 2682098		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00360	0.00010	0.005000	0	72.0	61.5	125	0.003474	3.51	50	
Chrysene	0.00354	0.00010	0.005000	0	70.9	58.7	118	0.003319	6.53	50	
Dibenzo(a,h)anthracene	0.00407	0.00010	0.005000	0	81.4	59.3	126	0.004004	1.66	50	
Fluoranthene	0.00338	0.00010	0.005000	0	67.6	60.1	117	0.003407	0.855	50	
Fluorene	0.00335	0.00010	0.005000	0	67.0	54.1	110	0.003271	2.45	50	
Indeno(1,2,3-cd)pyrene	0.00398	0.00010	0.005000	0	79.7	58.1	123	0.003953	0.756	50	
Naphthalene	0.00290	0.00010	0.005000	0	57.9	36.3	97.1	0.002792	3.62	50	
Phenanthrene	0.00350	0.00010	0.005000	0	70.0	55.9	107	0.003487	0.372	50	
Pyrene	0.00344	0.00010	0.005000	0	68.8	61.4	116	0.003403	1.02	50	
Surr: 2-Fluorobiphenyl	0.0171		0.02500		68.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0276		0.05000		55.3	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0218		0.02500		87.4	39.9	106		0	50	
Surr: Phenol-d5	0.0178		0.05000		35.6	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0210		0.02500		84.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10070809

Report Date: 27-Jul-10

Sample ID: MB-R138119		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138119		
Client ID: ZZZZZZ		Batch ID: R138119			Analysis Date: 7/22/2010			SeqNo: 2682159				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138119		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138119		
Client ID: ZZZZZZ		Batch ID: R138119			Analysis Date: 7/22/2010			SeqNo: 2682160				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.023	0.007	0.02500	0	93.7	85	115				
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Sample ID: 10070809-001DMS	SampType: MS	Units: mg/L				Prep Date:				RunNo: 138119		
Client ID: 2167-treated-7/21/10	Batch ID: R138119					Analysis Date: 7/22/2010				SeqNo: 2682162		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.239	0.140	0.02500	0.2095	117.0	75	125				
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Sample ID: 10070809-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138119		
Client ID: 2167-treated-7/21/10		Batch ID: R138119		Analysis Date: 7/22/2010						SeqNo: 2682163	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.227	0.140	0.02500	0.2095	68.4	75	125	0.2387	5.23	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070809

Report Date: 27-Jul-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

21-Jul-10

Marvin L. Darling

Reviewed by:

On:

21-Jul-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

COC Serial No. B 09905

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

[illegible]

Samples Iced: ☒ Yes ☐ No Preservatives (ONLY for Water Samples) ☒ Volatile Organics Hydrochloric acid (HCl) ☐ VOC Soil (5035) Sodium Bisulfate/Methanol ☐ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃) ☒ Metals Nitric acid ☒ Cyanide Sodium hydroxide (NaOH) ☐ Other (Specify)	Lab Directives: Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other Fax and/or Mail Results to: <u>Pete Jazama and Leslie Hoosier</u> Send Invoice to: _____ QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other Special Guidelines: _____ Reporting Limits: _____ * Special: _____
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Shipping:		Relinquished by:			Received by:		
Carrier / Airbill No.		Signature	Date	Time	Signature	Date	Time
			7/21/10	0950		7/21/10	950
			7/21/10	1550		7/21/10	1350

July 29, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070893

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/22/2010 6:55:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070893

Report Date: 29-Jul-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070893-001	6785-treated-7/22/10	5	7/22/2010 1:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070893

Report Date: 29-Jul-10

Cooler Receipt Temp: 4.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070893

Lab ID: 10070893-001

Report Date: 29-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-7/22/10

Collection Date: 7/22/2010 1:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.2		1	7/23/2010 2:15:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		21	mg/L	1	7/23/2010 8:45:00 AM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		86	mg/L	1	7/23/2010 11:10:00 AM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/23/2010 2:16:31 PM	JMW
Barium	NELAP	0.0050		0.184	mg/L	1	7/23/2010 2:16:31 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/23/2010 2:16:31 PM	JMW
Chromium	NELAP	0.0100		0.0114	mg/L	1	7/23/2010 2:25:31 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/23/2010 2:16:31 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/23/2010 2:16:31 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	7/23/2010 12:49:12 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00011	mg/L	1	7/23/2010 12:21:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00012	mg/L	1	7/23/2010 12:21:00 PM	MAV
Anthracene	NELAP	0.00010		0.00010	mg/L	1	7/23/2010 12:21:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		0.00012	mg/L	1	7/23/2010 12:21:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Fluoranthene	NELAP	0.00010		0.00013	mg/L	1	7/23/2010 12:21:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/23/2010 12:21:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00143	mg/L	1	7/23/2010 12:21:00 PM	MAV
Phenanthrene	NELAP	0.00010		0.00019	mg/L	1	7/23/2010 12:21:00 PM	MAV
Pyrene	NELAP	0.00010		0.00016	mg/L	1	7/23/2010 12:21:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00093	mg/L	1	7/23/2010 12:21:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		69.4	%REC	1	7/23/2010 12:21:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		40.2	%REC	1	7/23/2010 12:21:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		92.4	%REC	1	7/23/2010 12:21:00 PM	MAV
Surr: Phenol-d5		11-42.8		24.2	%REC	1	7/23/2010 12:21:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		81.7	%REC	1	7/23/2010 12:21:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070893

Lab ID: 10070893-001

Report Date: 29-Jul-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-7/22/10

Collection Date: 7/22/2010 1:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		11.2	µg/L	1	7/23/2010 11:17:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/23/2010 11:17:00 AM	TAL
Toluene	NELAP	5.0	J	3.2	µg/L	1	7/23/2010 11:17:00 AM	TAL
Xylenes, Total	NELAP	5.0	J	1.3	µg/L	1	7/23/2010 11:17:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		94.2	%REC	1	7/23/2010 11:17:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		101.0	%REC	1	7/23/2010 11:17:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		94.3	%REC	1	7/23/2010 11:17:00 AM	TAL
Surr: Toluene-d8		84.3-114		93.7	%REC	1	7/23/2010 11:17:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/23/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		Interference	mg/L	20	7/23/2010 9:12:09 AM	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	0.197	mg/L	20	7/23/2010 9:12:09 AM	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070893-001A	6785-treated-7/22/10	7/22/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/23/2010 11:44:46 AM	7/23/2010 12:21:00 PM
10070893-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/23/2010 2:15:00 PM
				Standard Methods 18th Ed. 2540 D		7/23/2010 8:45:00 AM
				Standard Methods 18th Ed. 5210 B	7/23/2010 11:10:00 AM	7/23/2010 11:10:00 AM
10070893-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/23/2010 8:24:04 AM	7/23/2010 2:16:31 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/23/2010 8:24:04 AM	7/23/2010 2:19:21 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/23/2010 8:24:04 AM	7/23/2010 2:25:31 PM
				SW-846 3020A, Metals by GFAA (Total)	7/23/2010 8:23:39 AM	7/23/2010 12:49:12 PM
				SW-846 7470A (Total)	7/23/2010 8:15:13 AM	7/23/2010
10070893-001D				SW-846 9012A		7/23/2010 9:12:09 AM
				SW-846 9012A (Total)		7/23/2010 9:12:09 AM
10070893-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/23/2010 11:17:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070893

Report Date: 29-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R138178		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138178		
Client ID: ZZZZZZ		Batch ID: R138178					Analysis Date: 7/23/2010			SeqNo: 2683493	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138178		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138178		
Client ID: ZZZZZZ		Batch ID: R138178			Analysis Date: 7/23/2010			SeqNo: 2683494				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: LCSQC	SampType: LCSQC				Units: mg/L		Prep Date:			RunNo: 138178		
Client ID: ZZZZZZ	Batch ID: R138178				Analysis Date: 7/23/2010					SeqNo: 2683516		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138178		
Client ID: ZZZZZZ		Batch ID: R138178			Analysis Date: 7/23/2010			SeqNo: 2683551				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Sample ID: 10070893-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 138178		
Client ID: 6785-treated-7/22/10		Batch ID: R138178		Analysis Date: 7/23/2010						SeqNo: 2683555	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	20	6						21.00	4.88	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: LCS-R138180		SampType: LCS			Units:		Prep Date:			RunNo: 138180		
Client ID: ZZZZZZ		Batch ID: R138180			Analysis Date: 7/23/2010			SeqNo: 2683660				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10070893-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 138180		
Client ID: 6785-treated-7/22/10		Batch ID: R138180				Analysis Date: 7/23/2010			SeqNo: 2683673		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	12.2	1.00						12.18	0.0821	10	
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Sample ID: LCS-R138180		SampType: LCS			Units:		Prep Date:			RunNo: 138180		
Client ID: ZZZZZZ		Batch ID: R138180			Analysis Date: 7/23/2010			SeqNo: 2684933				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	0	7.000	0	100	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: LCS-61979	SampType: LCS	Units: mg/L			Prep Date: 7/23/2010			RunNo: 138331			
Client ID: ZZZZZZ	Batch ID: 61979	SOP 2030			Analysis Date: 7/23/2010			SeqNo: 2687216			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	193	5	198.0	0	97.5	84.6	115.4				
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Sample ID: 10070893-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/23/2010			RunNo: 138331			
Client ID: 6785-treated-7/22/10	Batch ID: 61979	SOP 2030			Analysis Date: 7/23/2010			SeqNo: 2687218			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	84	5						86.00	2.35	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: MB-61955	SampType: MBLK	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138148		
Client ID: ZZZZZZ	Batch ID: 61955	SOP 3034				Analysis Date: 7/23/2010			SeqNo: 2684089		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.0070	0.0100	0.01000	0	70.0	-100	100				J

Sample ID: LCS-61955	SampType: LCS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138148		
Client ID: ZZZZZZ	Batch ID: 61955	SOP 3034				Analysis Date: 7/23/2010			SeqNo: 2684091		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.216	0.0100	0.2000	0	107.8	85	115				

Sample ID: MB-61955	SampType: MBLK	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138148		
Client ID: ZZZZZZ	Batch ID: 61955	SOP 3034				Analysis Date: 7/23/2010			SeqNo: 2683614		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.0076	0.0100	0.01000	0	76.0	-100	100				J

Sample ID: LCS-61955	SampType: LCS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138148		
Client ID: ZZZZZZ	Batch ID: 61955	SOP 3034				Analysis Date: 7/23/2010			SeqNo: 2683615		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.213	0.0100	0.2000	0	106.6	85	115				

Sample ID: 10070893-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138148		
Client ID: 6785-treated-7/22/10	Batch ID: 61955	SOP 3034				Analysis Date: 7/23/2010			SeqNo: 2683617		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.196	0.0100	0.2000	0.01140	92.3	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: 10070893-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/23/2010			RunNo: 138148		
Client ID: 6785-treated-7/22/10		Batch ID: 61955		SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2683618		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.195	0.0100	0.2000	0.01140	91.9	75	125	0.1960	0.409	20	

Sample ID: MB-61955	SampType: MBLK	Units: mg/L			Prep Date: 7/23/2010			RunNo: 138171			
Client ID: ZZZZZZ	Batch ID: 61955	SOP 3034			Analysis Date: 7/23/2010			SeqNo: 2683751			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61955	SampType: LCS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138171		
Client ID: ZZZZZZ	Batch ID: 61955	SOP 3034				Analysis Date: 7/23/2010			SeqNo: 2683752		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.2	85	115				
Barium	2.00	0.0050	2.000	0	99.8	85	115				
Cadmium	0.0501	0.0020	0.05000	0	100.2	85	115				
Selenium	2.14	0.0500	2.000	0	107.1	85	115				
Silver	0.0517	0.0100	0.05000	0	103.4	85	115				

Sample ID: 10070893-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/23/2010		RunNo: 138171			
Client ID: 6785-treated-7/22/10		Batch ID: 61955		SOP 3034		Analysis Date: 7/23/2010		SeqNo: 2683754			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.0250	2.000	0	100.7	75	125				
Barium	1.96	0.0050	2.000	0.1844	89.0	75	125				
Cadmium	0.0456	0.0020	0.05000	0	91.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: 10070893-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/23/2010			RunNo: 138171		
Client ID: 6785-treated-7/22/10		Batch ID: 61955		SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2683754		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	2.00	0.0500	2.000	0	99.8	75	125				
Silver	0.0512	0.0100	0.05000	0	102.4	75	125				

Sample ID: 10070893-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/23/2010			RunNo: 138171		
Client ID: 6785-treated-7/22/10		Batch ID: 61955		SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2683755		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	2.00	0.0250	2.000	0	100	75	125	2.014	0.748	20	
Barium	1.96	0.0050	2.000	0.1844	88.7	75	125	1.964	0.306	20	
Cadmium	0.0455	0.0020	0.05000	0	91.0	75	125	0.04560	0.220	20	
Selenium	2.00	0.0500	2.000	0	100	75	125	1.995	0.300	20	
Silver	0.0465	0.0100	0.05000	0	93.0	75	125	0.05120	9.62	20	

Sample ID: MB-61955		SampType: MBLK			Units: mg/L		Prep Date: 7/23/2010			RunNo: 138148		
Client ID: ZZZZZZ		Batch ID: 61955			SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2684090		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.0070	0.0100	0.01000	0	70.0	-100	100				J
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Sample ID: LCS-61955		SampType: LCS			Units: mg/L		Prep Date: 7/23/2010			RunNo: 138148		
Client ID: ZZZZZZ		Batch ID: 61955			SOP 3034		Analysis Date: 7/23/2010			SeqNo: 2684092		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.216	0.0100	0.2000	0	107.8	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: MB-61954		SampType: MBLK		Units: mg/L		Prep Date: 7/23/2010			RunNo: 138174		
Client ID: ZZZZZZ		Batch ID: 61954		SOP 3044		Analysis Date: 7/23/2010			SeqNo: 2683433		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-61954		SampType: LCS			Units: mg/L		Prep Date: 7/23/2010			RunNo: 138174		
Client ID: ZZZZZZ		Batch ID: 61954			SOP 3044		Analysis Date: 7/23/2010			SeqNo: 2683434		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0150	0.0020	0.01500	0	100	80	120			
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Sample ID: 10070893-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/23/2010			RunNo: 138174		
Client ID: 6785-treated-7/22/10		Batch ID: 61954		SOP 3044		Analysis Date: 7/23/2010			SeqNo: 2683436		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0132	0.0020	0.01500	0.0005566	84.3	70	130			
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Sample ID: 10070893-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/23/2010			RunNo: 138174		
Client ID: 6785-treated-7/22/10		Batch ID: 61954		SOP 3044		Analysis Date: 7/23/2010			SeqNo: 2683437		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0131	0.0020	0.01500	0.0005566	83.9	70	130	0.01320	0.434	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: MB-61970	SampType: MBLK	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138175		
Client ID: ZZZZZZ	Batch ID: 61970	SOP 3062				Analysis Date: 7/23/2010			SeqNo: 2683451		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61970	SampType: LCS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138175		
Client ID: ZZZZZZ	Batch ID: 61970	SOP 3062				Analysis Date: 7/23/2010			SeqNo: 2683452		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				

Sample ID: MB-61970	SampType: MBLK	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138175		
Client ID: ZZZZZZ	Batch ID: 61970	SOP 3062				Analysis Date: 7/23/2010			SeqNo: 2683453		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-61970	SampType: LCS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138175		
Client ID: ZZZZZZ	Batch ID: 61970	SOP 3062				Analysis Date: 7/23/2010			SeqNo: 2683454		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00469	0.00020	0.005000	0	93.8	85	115				

Sample ID: 10070893-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/23/2010			RunNo: 138175		
Client ID: 6785-treated-7/22/10	Batch ID: 61970	SOP 3062				Analysis Date: 7/23/2010			SeqNo: 2683456		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00444	0.00020	0.005000	0	88.8	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070893

Report Date: 29-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW7470 A

Sample ID: 10070893-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/23/2010		RunNo: 138175			
Client ID: 6785-treated-7/22/10		Batch ID: 61970		SOP 3062		Analysis Date: 7/23/2010		SeqNo: 2683457			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00447	0.00020	0.005000	0	89.4	75	125	0.004440	0.673	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: LCS-R100723-1		SampType: LCS		Units: µg/L		Prep Date: 7/23/2010		RunNo: 138184			
Client ID: ZZZZZZ		Batch ID: 61977		SW5030		Analysis Date: 7/23/2010		SeqNo: 2683772			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.6	2.0	50.00	0	97.3	82.7	117				
Ethylbenzene	46.6	5.0	50.00	0	93.2	83	113				
Toluene	46.8	5.0	50.00	0	93.7	79.6	116				
Xylenes, Total	143	5.0	150.0	0	95.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	47.5		50.00		95.0	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.4	86	119				
Surr: Dibromofluoromethane	47.2		50.00		94.4	81.7	123				
Surr: Toluene-d8	48.1		50.00		96.2	84.3	114				

Sample ID: LCSD-R100723-1		SampType: LCSD		Units: µg/L		Prep Date: 7/23/2010		RunNo: 138184			
Client ID: ZZZZZZ		Batch ID: 61977		SW5030		Analysis Date: 7/23/2010		SeqNo: 2683773			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.4	2.0	50.00	0	94.7	82.7	117	48.63	2.67	20	
Ethylbenzene	45.1	5.0	50.00	0	90.1	83	113	46.62	3.40	20	
Toluene	45.1	5.0	50.00	0	90.3	79.6	116	46.83	3.68	20	
Xylenes, Total	138	5.0	150.0	0	92.0	80.3	120	142.8	3.46	20	
Surr: 1,2-Dichloroethane-d4	48.6		50.00		97.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.7		50.00		101.4	86	119		0	0	
Surr: Dibromofluoromethane	47.4		50.00		94.8	81.7	123		0	0	
Surr: Toluene-d8	47.4		50.00		94.8	84.3	114		0	0	

Sample ID: MBLK-R100723-1		SampType: MBLK		Units: µg/L		Prep Date: 7/23/2010		RunNo: 138184			
Client ID: ZZZZZZ		Batch ID: 61977		SW5030		Analysis Date: 7/23/2010		SeqNo: 2683774			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: MBLK-R100723-1		SampType: MBLK		Units: µg/L		Prep Date: 7/23/2010				RunNo: 138184		
Client ID: ZZZZZZ		Batch ID: 61977		SW5030		Analysis Date: 7/23/2010				SeqNo: 2683774		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	49.9		50.00		99.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.5		50.00		101.1	86	119				
Surr: Dibromofluoromethane	48.4		50.00		96.7	81.7	123				
Surr: Toluene-d8	47.3		50.00		94.6	84.3	114				

Sample ID: 10070893-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/23/2010			RunNo: 138184		
Client ID: 6785-treated-7/22/10		Batch ID: 61977		SW5030		Analysis Date: 7/23/2010			SeqNo: 2683776		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	73.0	2.0	62.00	11.17	99.7	57.8	125				
Toluene	63.8	5.0	62.00	3.210	97.7	75.8	123				
Ethylbenzene	64.6	5.0	62.00	0	104.2	72.8	123				
Xylenes, Total	133	5.0	124.0	1.340	106.2	73	127				
Surr: 1,2-Dichloroethane-d4	43.0		50.00		86.1	74.7	129				
Surr: 4-Bromofluorobenzene	49.3		50.00		98.7	86	119				
Surr: Dibromofluoromethane	42.1		50.00		84.1	81.7	123				
Surr: Toluene-d8	45.6		50.00		91.1	84.3	114				

Sample ID: 10070893-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/23/2010			RunNo: 138184		
Client ID: 6785-treated-7/22/10		Batch ID: 61977		SW5030		Analysis Date: 7/23/2010			SeqNo: 2683777		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	73.0	2.0	62.00	11.17	99.8	57.8	125	72.97	0.0959	20	
Toluene	64.3	5.0	62.00	3.210	98.6	75.8	123	63.77	0.874	20	
Ethylbenzene	64.4	5.0	62.00	0	104.0	72.8	123	64.63	0.279	20	
Xylenes, Total	130	5.0	124.0	1.340	104.1	73	127	133.0	1.96	20	
Surr: 1,2-Dichloroethane-d4	44.2		50.00		88.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.9		50.00		99.7	86	119		0	0	
Surr: Dibromofluoromethane	43.8		50.00		87.5	81.7	123		0	0	
Surr: Toluene-d8	46.5		50.00		92.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: MB-61950		SampType: MBLK		Units: mg/L		Prep Date: 7/22/2010			RunNo: 138170		
Client ID: ZZZZZZ		Batch ID: 61950		SW3510C		Analysis Date: 7/23/2010			SeqNo: 2683400		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00302		0.005000		60.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00529		0.01000		52.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00434		0.005000		86.9	39.9	106				
Surr: Phenol-d5	0.00336		0.01000		33.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00370		0.005000		74.1	53	116				

Sample ID: LCS-61950		SampType: LCS		Units: mg/L		Prep Date: 7/22/2010			RunNo: 138170		
Client ID: ZZZZZZ		Batch ID: 61950		SW3510C		Analysis Date: 7/23/2010			SeqNo: 2683401		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00352	0.00010	0.005000	0	70.3	50.1	103				
Acenaphthylene	0.00352	0.00010	0.005000	0	70.4	53.3	122				
Anthracene	0.00362	0.00010	0.005000	0	72.4	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: LCS-61950		SampType: LCS		Units: mg/L		Prep Date: 7/22/2010		RunNo: 138170			
Client ID: ZZZZZZ		Batch ID: 61950		SW3510C		Analysis Date: 7/23/2010		SeqNo: 2683401			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00340	0.00010	0.005000	0	68.1	56	102				
Benzo(a)pyrene	0.00376	0.00010	0.005000	0	75.3	55.4	125				
Benzo(b)fluoranthene	0.00380	0.00010	0.005000	0	75.9	59.3	127				
Benzo(g,h,i)perylene	0.00400	0.00010	0.005000	0	80.0	58.4	125				
Benzo(k)fluoranthene	0.00367	0.00010	0.005000	0	73.4	61.5	125				
Chrysene	0.00376	0.00010	0.005000	0	75.3	58.7	118				
Dibenzo(a,h)anthracene	0.00411	0.00010	0.005000	0	82.2	59.3	126				
Fluoranthene	0.00354	0.00010	0.005000	0	70.8	60.1	117				
Fluorene	0.00353	0.00010	0.005000	0	70.7	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00406	0.00010	0.005000	0	81.3	58.1	123				
Naphthalene	0.00313	0.00010	0.005000	0	62.5	36.3	97.1				
Phenanthrene	0.00372	0.00010	0.005000	0	74.3	55.9	107				
Pyrene	0.00352	0.00010	0.005000	0	70.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00313		0.005000		62.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00531		0.01000		53.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00447		0.005000		89.4	39.9	106				
Surr: Phenol-d5	0.00356		0.01000		35.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00397		0.005000		79.4	53	116				

Sample ID: LCSD-61950		SampType: LCSD		Units: mg/L		Prep Date: 7/22/2010		RunNo: 138170			
Client ID: ZZZZZZ		Batch ID: 61950		SW3510C		Analysis Date: 7/23/2010		SeqNo: 2683402			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00356	0.00010	0.005000	0	71.2	50.1	103	0.003515	1.30	50	
Acenaphthylene	0.00349	0.00010	0.005000	0	69.9	53.3	122	0.003518	0.685	50	
Anthracene	0.00382	0.00010	0.005000	0	76.4	57.4	110	0.003619	5.40	50	
Benzo(a)anthracene	0.00346	0.00010	0.005000	0	69.1	56	102	0.003405	1.46	50	
Benzo(a)pyrene	0.00387	0.00010	0.005000	0	77.4	55.4	125	0.003765	2.75	50	
Benzo(b)fluoranthene	0.00385	0.00010	0.005000	0	77.1	59.3	127	0.003796	1.49	50	
Benzo(g,h,i)perylene	0.00417	0.00010	0.005000	0	83.4	58.4	125	0.003998	4.19	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: LCSD-61950	SampType: LCSD	Units: mg/L				Prep Date: 7/22/2010			RunNo: 138170		
Client ID: ZZZZZZ	Batch ID: 61950	SW3510C				Analysis Date: 7/23/2010			SeqNo: 2683402		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00382	0.00010	0.005000	0	76.3	61.5	125	0.003671	3.85	50	
Chrysene	0.00386	0.00010	0.005000	0	77.2	58.7	118	0.003765	2.54	50	
Dibenzo(a,h)anthracene	0.00422	0.00010	0.005000	0	84.4	59.3	126	0.004112	2.57	50	
Fluoranthene	0.00381	0.00010	0.005000	0	76.2	60.1	117	0.003542	7.26	50	
Fluorene	0.00356	0.00010	0.005000	0	71.1	54.1	110	0.003534	0.592	50	
Indeno(1,2,3-cd)pyrene	0.00413	0.00010	0.005000	0	82.7	58.1	123	0.004063	1.71	50	
Naphthalene	0.00300	0.00010	0.005000	0	60.1	36.3	97.1	0.003126	3.98	50	
Phenanthrene	0.00389	0.00010	0.005000	0	77.8	55.9	107	0.003715	4.63	50	
Pyrene	0.00380	0.00010	0.005000	0	75.9	61.4	116	0.003518	7.63	50	
Surr: 2-Fluorobiphenyl	0.00346		0.005000		69.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00530		0.01000		53.0	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00462		0.005000		92.4	39.9	106		0	50	
Surr: Phenol-d5	0.00343		0.01000		34.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00416		0.005000		83.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10070893

Report Date: 29-Jul-10

Sample ID: MB-R138186		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138186		
Client ID: ZZZZZZ		Batch ID: R138186			Analysis Date: 7/23/2010			SeqNo: 2683878				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138186		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138186		
Client ID: ZZZZZZ		Batch ID: R138186			Analysis Date: 7/23/2010			SeqNo: 2683879				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.026	0.007	0.02500	0	102.3	90	110				
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Sample ID: MB-R138186	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 138186			
Client ID: ZZZZZZ	Batch ID: R138186				Analysis Date: 7/23/2010			SeqNo: 2683880			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138186		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138186		
Client ID: ZZZZZZ		Batch ID: R138186			Analysis Date: 7/23/2010			SeqNo: 2683881				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.022	0.008	0.02500	0	88.5	85	115				
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Sample ID: 10070893-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 138186		
Client ID: 6785-treated-7/22/10		Batch ID: R138186					Analysis Date: 7/23/2010			SeqNo: 2683886	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.254	0.140	0.02500	0.1969	227.0	75	125				S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070893

Report Date: 29-Jul-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: 10070893-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138186		
Client ID: 6785-treated-7/22/10		Batch ID: R138186					Analysis Date: 7/23/2010			SeqNo: 2683887	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.240	0.140	0.02500	0.1969	171.3	75	125	0.2537	5.64	15	S

Sample ID: LCS		SampType: LCS		Units: mg/L		Prep Date:			RunNo: 138186		
Client ID: ZZZZZZ		Batch ID: R138186		Analysis Date: 7/23/2010			SeqNo: 2683888				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.023	0.007	0.02500	0	91.0	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070893

Report Date: 29-Jul-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

22-Jul-10

Elizabeth A. Hurley

Reviewed by:

On:

23-Jul-10

Heather A. White

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

Chain of Custody Record

[illegible]

Shipping:	Relinquished by:	Received by:
Carrier / Airbill No.	Signature	Signature
	Date	Date
	Time	Time

Distribution: WHITE to Lab

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

August 02, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10070995

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/26/2010 4:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads 'Heather A. White'.

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070995

Report Date: 02-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10070995-001	4091-treated-7/26/10	5	7/26/2010 9:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10070995

Report Date: 02-Aug-10

Cooler Receipt Temp: 3.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10070995

Lab ID: 10070995-001

Report Date: 02-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-7/26/10

Collection Date: 7/26/2010 9:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.1		1	7/26/2010 6:14:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		17	mg/L	1	7/26/2010 5:30:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		84	mg/L	1	7/26/2010 7:20:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/27/2010 10:02:49 AM	LAL
Barium	NELAP	0.0050		0.124	mg/L	1	7/27/2010 10:02:49 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/27/2010 10:02:49 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/27/2010 10:02:49 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/27/2010 10:02:49 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/27/2010 12:10:00 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0004	mg/L	1	7/27/2010 10:01:04 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Acenaphthylene	NELAP	0.00010		0.00049	mg/L	1	7/27/2010 10:03:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00049	mg/L	1	7/27/2010 10:03:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/27/2010 10:03:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00049	mg/L	1	7/27/2010 10:03:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		78.9	%REC	1	7/27/2010 10:03:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		45.6	%REC	1	7/27/2010 10:03:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		81.3	%REC	1	7/27/2010 10:03:00 AM	MAV
Surr: Phenol-d5		11-42.8		30.1	%REC	1	7/27/2010 10:03:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		85.3	%REC	1	7/27/2010 10:03:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10070995**Lab ID:** 10070995-001**Report Date:** 02-Aug-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 4091-treated-7/26/10**Collection Date:** 7/26/2010 9:20:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		4.2	µg/L	1	7/27/2010 8:30:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/27/2010 8:30:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	7/27/2010 8:30:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/27/2010 8:30:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		102.6	%REC	1	7/27/2010 8:30:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		104.1	%REC	1	7/27/2010 8:30:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		98.1	%REC	1	7/27/2010 8:30:00 AM	TAL
Surr: Toluene-d8		84.3-114		98.3	%REC	1	7/27/2010 8:30:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/27/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		Interference	mg/L	10	7/27/2010 7:36:55 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.145	mg/L	10	7/27/2010 7:36:55 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10070995**Report Date:** 02-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10070995-001A	4091-treated-7/26/10	7/26/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/26/2010 8:51:01 PM	7/27/2010 10:03:00 AM
10070995-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/26/2010 6:14:00 PM
				Standard Methods 18th Ed. 2540 D		7/26/2010 5:30:00 PM
				Standard Methods 18th Ed. 5210 B	7/26/2010 7:20:00 PM	7/26/2010 7:20:00 PM
10070995-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/26/2010 7:08:01 PM	7/27/2010 10:02:49 AM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/26/2010 7:08:01 PM	7/27/2010 12:10:00 PM
				SW-846 3020A, Metals by GFAA (Total)	7/26/2010 5:29:51 PM	7/27/2010 10:01:04 AM
				SW-846 7470A (Total)	7/27/2010 7:45:14 AM	7/27/2010
10070995-001D				SW-846 9012A		7/27/2010 7:36:55 AM
				SW-846 9012A (Total)		7/27/2010 7:36:55 AM
10070995-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/27/2010 8:30:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: A_TCND_S_AT_9012A

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MB-R138271		SampType: MBLK		Units: mg/L		Prep Date:		RunNo: 138271			
Client ID: ZZZZZZ		Batch ID: R138271				Analysis Date: 7/27/2010		SeqNo: 2685741			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R138271	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 138271		
Client ID: ZZZZZZ	Batch ID: R138271					Analysis Date: 7/27/2010			SeqNo: 2685742		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.023	0.007	0.02500	0	90.8	85	115				

Sample ID: 10070995-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 138271		
Client ID: 4091-treated-7/26/10		Batch ID: R138271			Analysis Date: 7/27/2010			SeqNo: 2685745				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.152	0.070	0.02500	0.1446	29.3	75	125				S	

Sample ID: 10070995-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138271		
Client ID: 4091-treated-7/26/10		Batch ID: R138271		Analysis Date: 7/27/2010						SeqNo: 2685746	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.175	0.070	0.02500	0.1446	123.3	75	125	0.1519	14.4	15	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070995

Report Date: 02-Aug-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-62000	SampType: LCS	Units: mg/L			Prep Date: 7/26/2010			RunNo: 138484			
Client ID: ZZZZZZ	Batch ID: 62000	SOP 2030			Analysis Date: 7/26/2010			SeqNo: 2690834			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	192	5	198.0	0	97.0	84.6	115.4				

Sample ID: 10070995-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/26/2010			RunNo: 138484			
Client ID: 4091-treated-7/26/10	Batch ID: 62000	SOP 2030			Analysis Date: 7/26/2010			SeqNo: 2690851			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	84	5						84.00	0	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070995

Report Date: 02-Aug-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R138246	SampType: LCS	Units:			Prep Date:			RunNo: 138246			
Client ID: ZZZZZZ	Batch ID: R138246				Analysis Date: 7/26/2010			SeqNo: 2685172			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10070995-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 138246			
Client ID: 4091-treated-7/26/10	Batch ID: R138246				Analysis Date: 7/26/2010			SeqNo: 2686297			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	12.2	1.00						12.14	0.165	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_TSS_M_AT

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MB-R138277	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 138277		
Client ID: ZZZZZZ	Batch ID: R138277					Analysis Date: 7/26/2010			SeqNo: 2685905		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R138277	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 138277		
Client ID: ZZZZZZ	Batch ID: R138277					Analysis Date: 7/26/2010			SeqNo: 2685906		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 138277		
Client ID: ZZZZZZ	Batch ID: R138277					Analysis Date: 7/26/2010			SeqNo: 2685925		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	94	6	100.0	0	94.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 138277		
Client ID: ZZZZZZ	Batch ID: R138277					Analysis Date: 7/26/2010			SeqNo: 2685942		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	97	6	100.0	0	97.0	85	115				

Sample ID: 10070995-001BDUP	SampType: DUP	Units: mg/L				Prep Date:			RunNo: 138277		
Client ID: 4091-treated-7/26/10	Batch ID: R138277					Analysis Date: 7/26/2010			SeqNo: 2685951		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	19	6						17.00	11.1	15	

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:			RunNo: 138277		
Client ID: ZZZZZZ	Batch ID: R138277					Analysis Date: 7/26/2010			SeqNo: 2686013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070995

Report Date: 02-Aug-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 138277			
Client ID: ZZZZZZ	Batch ID: R138277				Analysis Date: 7/26/2010			SeqNo: 2686013			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	97	6	100.0	0	97.0	85	115				

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 138277			
Client ID: ZZZZZZ	Batch ID: R138277				Analysis Date: 7/26/2010			SeqNo: 2686036			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	101	6	100.0	0	101.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_GF_ST

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MB-61995		SampType: MBLK		Units: mg/L		Prep Date: 7/26/2010			RunNo: 138273			
Client ID: ZZZZZZ		Batch ID: 61995		SOP 3044		Analysis Date: 7/27/2010			SeqNo: 2685786			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0005	0.0020	0.002000	0	22.8	-100	100				J

Sample ID: LCS-61995		SampType: LCS		Units: mg/L		Prep Date: 7/26/2010			RunNo: 138273			
Client ID: ZZZZZZ		Batch ID: 61995		SOP 3044		Analysis Date: 7/27/2010			SeqNo: 2685787			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0143	0.0020	0.01500	0	95.5	80	120				

Sample ID: 10070995-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/26/2010			RunNo: 138273			
Client ID: 4091-treated-7/26/10		Batch ID: 61995		SOP 3044		Analysis Date: 7/27/2010			SeqNo: 2685789			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0112	0.0020	0.01500	0.0004125	71.7	70	130				

Sample ID: 10070995-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/26/2010			RunNo: 138273			
Client ID: 4091-treated-7/26/10		Batch ID: 61995		SOP 3044		Analysis Date: 7/27/2010			SeqNo: 2685790			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0113	0.0020	0.01500	0.0004125	72.7	70	130	0.01117	1.32	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MB-61994	SampType: MBLK	Units: mg/L				Prep Date: 7/26/2010			RunNo: 138253		
Client ID: ZZZZZZ	Batch ID: 61994	SOP 3034				Analysis Date: 7/27/2010			SeqNo: 2685985		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-61994	SampType: LCS	Units: mg/L				Prep Date: 7/26/2010			RunNo: 138253		
Client ID: ZZZZZZ	Batch ID: 61994	SOP 3034				Analysis Date: 7/27/2010			SeqNo: 2685987		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	106.0	85	115				
Barium	1.97	0.0050	2.000	0	98.6	85	115				
Cadmium	0.0506	0.0020	0.05000	0	101.2	85	115				
Chromium	0.211	0.0100	0.2000	0	105.4	85	115				
Selenium	2.12	0.0500	2.000	0	105.8	85	115				

Sample ID: 10070995-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/26/2010			RunNo: 138253		
Client ID: 4091-treated-7/26/10	Batch ID: 61994	SOP 3034				Analysis Date: 7/27/2010			SeqNo: 2685989		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.4	75	125				
Barium	1.98	0.0050	2.000	0.1240	93.0	75	125				
Cadmium	0.0472	0.0020	0.05000	0	94.4	75	125				
Chromium	0.202	0.0100	0.2000	0	101.0	75	125				
Selenium	2.16	0.0500	2.000	0	108.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: 10070995-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 7/26/2010			RunNo: 138253		
Client ID: 4091-treated-7/26/10		Batch ID: 61994			SOP 3034		Analysis Date: 7/27/2010			SeqNo: 2685990		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	2.10	0.0250	2.000	0	105.0	75	125	2.147	2.26	20		
Barium	1.94	0.0050	2.000	0.1240	91.0	75	125	1.983	1.99	20		
Cadmium	0.0472	0.0020	0.05000	0	94.4	75	125	0.04720	0	20		
Chromium	0.198	0.0100	0.2000	0	99.0	75	125	0.2019	2.00	20		
Selenium	2.12	0.0500	2.000	0	106.0	75	125	2.165	2.05	20		

Sample ID: MB-61994		SampType: MBLK			Units: mg/L		Prep Date: 7/26/2010			RunNo: 138281		
Client ID: ZZZZZZ		Batch ID: 61994			SOP 3034		Analysis Date: 7/27/2010			SeqNo: 2686302		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100					

Sample ID: LCS-61994		SampType: LCS			Units: mg/L		Prep Date: 7/26/2010			RunNo: 138281		
Client ID: ZZZZZZ		Batch ID: 61994			SOP 3034		Analysis Date: 7/27/2010			SeqNo: 2686303		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	0.0553	0.0100	0.05000	0	110.6	85	115					

Sample ID: 10070995-001CMS		SampType: MS			Units: mg/L		Prep Date: 7/26/2010			RunNo: 138281		
Client ID: 4091-treated-7/26/10		Batch ID: 61994			SOP 3034		Analysis Date: 7/27/2010			SeqNo: 2686305		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	0.0552	0.0100	0.05000	0	110.4	75	125					

Sample ID: 10070995-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 7/26/2010			RunNo: 138281		
Client ID: 4091-treated-7/26/10		Batch ID: 61994			SOP 3034		Analysis Date: 7/27/2010			SeqNo: 2686306		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	0.0547	0.0100	0.05000	0	109.4	75	125	0.05520	0.910	20		

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_HG_AQ_S

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MB-62012		SampType: MBLK		Units: mg/L		Prep Date: 7/27/2010			RunNo: 138299		
Client ID: ZZZZZZ		Batch ID: 62012		SOP 3062		Analysis Date: 7/27/2010			SeqNo: 2686432		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62012	SampType: LCS	Units: mg/L			Prep Date: 7/27/2010			RunNo: 138299			
Client ID: ZZZZZZ	Batch ID: 62012	SOP 3062			Analysis Date: 7/27/2010			SeqNo: 2686433			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00467	0.00020	0.005000	0	93.4	85	115				

Sample ID: 10070995-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/27/2010			RunNo: 138299		
Client ID: 4091-treated-7/26/10		Batch ID: 62012		SOP 3062		Analysis Date: 7/27/2010			SeqNo: 2686435		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00452	0.00020	0.005000	0	90.4	75	125				

Sample ID: 10070995-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/27/2010			RunNo: 138299		
Client ID: 4091-treated-7/26/10	Batch ID: 62012	SOP 3062				Analysis Date: 7/27/2010			SeqNo: 2686436		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00445	0.00020	0.005000	0	89.0	75	125	0.004520	1.56	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MB-61997	SampType: MBLK	Units: mg/L			Prep Date: 7/26/2010			RunNo: 138269			
Client ID: ZZZZZZ	Batch ID: 61997	SW3510C			Analysis Date: 7/27/2010			SeqNo: 2685727			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00357		0.005000		71.5	41.9	97.9				
Surr: 2-Fluorophenol	0.00566		0.01000		56.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00392		0.005000		78.5	39.9	106				
Surr: Phenol-d5	0.00351		0.01000		35.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00448		0.005000		89.7	53	116				

Sample ID: LCS-61997	SampType: LCS	Units: mg/L				Prep Date: 7/26/2010			RunNo: 138269		
Client ID: ZZZZZZ	Batch ID: 61997	SW3510C				Analysis Date: 7/27/2010			SeqNo: 2685728		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00380	0.00010	0.005000	0	76.0	50.1	103				
Acenaphthylene	0.00382	0.00010	0.005000	0	76.5	53.3	122				
Anthracene	0.00380	0.00010	0.005000	0	76.1	57.4	110				
Benzo(a)anthracene	0.00370	0.00010	0.005000	0	74.0	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: LCS-61997	SampType: LCS	Units: mg/L			Prep Date: 7/26/2010			RunNo: 138269			
Client ID: ZZZZZZ	Batch ID: 61997	SW3510C			Analysis Date: 7/27/2010			SeqNo: 2685728			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00408	0.00010	0.005000	0	81.5	55.4	125				
Benzo(b)fluoranthene	0.00417	0.00010	0.005000	0	83.4	59.3	127				
Benzo(g,h,i)perylene	0.00429	0.00010	0.005000	0	85.8	58.4	125				
Benzo(k)fluoranthene	0.00400	0.00010	0.005000	0	80.0	61.5	125				
Chrysene	0.00414	0.00010	0.005000	0	82.8	58.7	118				
Dibenzo(a,h)anthracene	0.00424	0.00010	0.005000	0	84.8	59.3	126				
Fluoranthene	0.00387	0.00010	0.005000	0	77.4	60.1	117				
Fluorene	0.00389	0.00010	0.005000	0	77.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00421	0.00010	0.005000	0	84.2	58.1	123				
Naphthalene	0.00360	0.00010	0.005000	0	72.1	36.3	97.1				
Phenanthrene	0.00386	0.00010	0.005000	0	77.3	55.9	107				
Pyrene	0.00395	0.00010	0.005000	0	79.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.00382		0.005000		76.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00586		0.01000		58.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00413		0.005000		82.6	39.9	106				
Surr: Phenol-d5	0.00385		0.01000		38.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00459		0.005000		91.8	53	116				

Sample ID: LCSD-61997	SampType: LCSD	Units: mg/L			Prep Date: 7/26/2010			RunNo: 138269			
Client ID: ZZZZZZ	Batch ID: 61997	SW3510C			Analysis Date: 7/27/2010			SeqNo: 2685729			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00349	0.00010	0.005000	0	69.8	50.1	103	0.003802	8.61	50	
Acenaphthylene	0.00365	0.00010	0.005000	0	73.1	53.3	122	0.003825	4.57	50	
Anthracene	0.00368	0.00010	0.005000	0	73.6	57.4	110	0.003803	3.34	50	
Benzo(a)anthracene	0.00360	0.00010	0.005000	0	71.9	56	102	0.003701	2.85	50	
Benzo(a)pyrene	0.00383	0.00010	0.005000	0	76.5	55.4	125	0.004075	6.30	50	
Benzo(b)fluoranthene	0.00401	0.00010	0.005000	0	80.2	59.3	127	0.004171	3.99	50	
Benzo(g,h,i)perylene	0.00414	0.00010	0.005000	0	82.7	58.4	125	0.004289	3.63	50	
Benzo(k)fluoranthene	0.00392	0.00010	0.005000	0	78.4	61.5	125	0.004000	1.97	50	
Chrysene	0.00402	0.00010	0.005000	0	80.4	58.7	118	0.004142	2.96	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: LCSD-61997	SampType: LCSD	Units: mg/L				Prep Date: 7/26/2010			RunNo: 138269		
Client ID: ZZZZZZ	Batch ID: 61997	SW3510C				Analysis Date: 7/27/2010			SeqNo: 2685729		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.00419	0.00010	0.005000	0	83.7	59.3	126	0.004241	1.28	50	
Fluoranthene	0.00376	0.00010	0.005000	0	75.1	60.1	117	0.003871	3.02	50	
Fluorene	0.00379	0.00010	0.005000	0	75.8	54.1	110	0.003891	2.66	50	
Indeno(1,2,3-cd)pyrene	0.00418	0.00010	0.005000	0	83.5	58.1	123	0.004211	0.859	50	
Naphthalene	0.00332	0.00010	0.005000	0	66.5	36.3	97.1	0.003605	8.08	50	
Phenanthrene	0.00380	0.00010	0.005000	0	76.1	55.9	107	0.003863	1.57	50	
Pyrene	0.00391	0.00010	0.005000	0	78.3	61.4	116	0.003954	1.04	50	
Surr: 2-Fluorobiphenyl	0.00370		0.005000		74.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00565		0.01000		56.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00405		0.005000		81.0	39.9	106		0	50	
Surr: Phenol-d5	0.00358		0.01000		35.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00443		0.005000		88.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: LCS-T100726-2	SampType: LCS	Units: µg/L				Prep Date: 7/26/2010			RunNo: 138287		
Client ID: ZZZZZZ	Batch ID: 62029	SW5030				Analysis Date: 7/26/2010			SeqNo: 2686204		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.9	2.0	50.00	0	95.8	82.7	117				
Toluene	45.4	5.0	50.00	0	90.9	79.6	116				
Ethylbenzene	44.8	5.0	50.00	0	89.7	83	113				
Xylenes, Total	142	5.0	150.0	0	94.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.3		50.00		102.5	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119				
Surr: Dibromofluoromethane	48.2		50.00		96.4	81.7	123				
Surr: Toluene-d8	50.4		50.00		100.8	84.3	114				

Sample ID: LCSD-T100726-2	SampType: LCSD	Units: µg/L				Prep Date: 7/26/2010			RunNo: 138287		
Client ID: ZZZZZZ	Batch ID: 62029	SW5030				Analysis Date: 7/26/2010			SeqNo: 2686205		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.6	2.0	50.00	0	101.3	82.7	117	47.89	5.56	20	
Toluene	47.6	5.0	50.00	0	95.3	79.6	116	45.43	4.77	20	
Ethylbenzene	45.6	5.0	50.00	0	91.2	83	113	44.84	1.66	20	
Xylenes, Total	148	5.0	150.0	0	99.0	80.3	120	142.0	4.50	0	
Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.8		50.00		103.6	86	119		0	0	
Surr: Dibromofluoromethane	49.0		50.00		98.1	81.7	123		0	0	
Surr: Toluene-d8	49.8		50.00		99.7	84.3	114		0	0	

Sample ID: MBLK-T100726-2	SampType: MBLK	Units: µg/L			Prep Date: 7/26/2010			RunNo: 138287			
Client ID: ZZZZZZ	Batch ID: 62029	SW5030			Analysis Date: 7/27/2010			SeqNo: 2686206			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10070995

Report Date: 02-Aug-10

Sample ID: MBLK-T100726-2	SampType: MBLK	Units: µg/L			Prep Date: 7/26/2010			RunNo: 138287			
Client ID: ZZZZZZ	Batch ID: 62029	SW5030			Analysis Date: 7/27/2010			SeqNo: 2686206			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	51.5		50.00		103.0	74.7	129				
Surr: 4-Bromofluorobenzene	50.6		50.00		101.2	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.5	81.7	123				
Surr: Toluene-d8	49.2		50.00		98.3	84.3	114				

Sample ID: 10070995-001EMS	SampType: MS	Units: µg/L			Prep Date: 7/26/2010			RunNo: 138287			
Client ID: 4091-treated-7/26/10	Batch ID: 62029	SW5030			Analysis Date: 7/27/2010			SeqNo: 2686223			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	68.3	2.0	60.00	4.240	106.8	57.8	125				
Toluene	62.6	5.0	60.00	0	104.2	75.8	123				
Ethylbenzene	64.4	5.0	60.00	0	107.4	72.8	123				
Xylenes, Total	136	5.0	120.0	0	113.2	73	127				
Surr: 1,2-Dichloroethane-d4	51.9		50.00		103.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.3		50.00		102.6	86	119				
Surr: Dibromofluoromethane	50.4		50.00		100.7	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.7	84.3	114				

Sample ID: 10070995-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 7/26/2010			RunNo: 138287		
Client ID: 4091-treated-7/26/10	Batch ID: 62029	SW5030				Analysis Date: 7/27/2010			SeqNo: 2686224		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	67.4	2.0	60.00	4.240	105.4	57.8	125	68.31	1.27	20	
Toluene	61.6	5.0	60.00	0	102.7	75.8	123	62.55	1.47	20	
Ethylbenzene	62.8	5.0	60.00	0	104.7	72.8	123	64.45	2.58	20	
Xylenes, Total	134	5.0	120.0	0	111.3	73	127	135.8	1.64	20	
Surr: 1,2-Dichloroethane-d4	51.4		50.00		102.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.3		50.00		104.6	86	119		0	0	
Surr: Dibromofluoromethane	49.5		50.00		99.1	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		97.9	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10070995

Report Date: 02-Aug-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

26-Jul-10

Marvin L. Darling

Reviewed by:

On:

26-Jul-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09907

Project Name: Ameren Champaign Project Mgr.: P. Szazana

Project Number: 624-0908-0120 Cost Code: 7002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

Date

Time

Total Number of Containers

Matrix

Soil

Water

Air

Wipes

Other *

Analyses by Method Name and Number

6065

PH

TSS

Cyanide

PCIA Metals

SVOC 8270 MAS

BTEX 8260

Laboratory Temperature upon Receipt
3.6°C

Ice

headspace

Lab ID #'s

Comments (Field PID)

10070995-501

1 DAY

Teklab, Inc.

Courier Pick Up

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics

☐ VOC Soil (5035)

☐ TPH

☒ Metals

☒ Cyanide

☐ Other (Specify)

Hydrochloric acid (HCl)

Sodium Bisulfate/Methanol

Hydrochloric acid and/or Sulfuric acid (HNO₃)

Nitric acid (NaOH)

Sodium hydroxide

Lab Directives:

Requested TAT: ☒ Rush

☐ 5 Days

☐ STD

☐ Other

Fax and/or Mail Results to: P. Szazana and L. Hossler

Send Invoice to:

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

August 03, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10071065

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/27/2010 5:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071065

Report Date: 03-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10071065-001	2169-treated-7/27/10	5	7/27/2010 9:10:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10071065

Report Date: 03-Aug-10

Cooler Receipt Temp: 1.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10071065

Lab ID: 10071065-001

Report Date: 03-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-7/27/10

Collection Date: 7/27/2010 9:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.1		1	7/28/2010 2:26:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		19	mg/L	1	7/27/2010 5:45:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		87	mg/L	1	7/28/2010 3:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/28/2010 10:17:11 AM	LAL
Barium	NELAP	0.0050		0.177	mg/L	1	7/28/2010 10:17:11 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/28/2010 10:17:11 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/28/2010 10:17:11 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/28/2010 10:17:11 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	7/28/2010 12:31:57 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	7/28/2010 9:08:44 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00015	mg/L	1	7/28/2010 1:43:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00016	mg/L	1	7/28/2010 1:43:00 PM	MAV
Anthracene	NELAP	0.00010	J	0.00010	mg/L	1	7/28/2010 1:43:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00170	mg/L	1	7/28/2010 1:43:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/28/2010 1:43:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00042	mg/L	1	7/28/2010 1:43:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		76.7	%REC	1	7/28/2010 1:43:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		32.8	%REC	1	7/28/2010 1:43:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		69.8	%REC	1	7/28/2010 1:43:00 PM	MAV
Surr: Phenol-d5		11-42.8		19.2	%REC	1	7/28/2010 1:43:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		82.5	%REC	1	7/28/2010 1:43:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10071065

Lab ID: 10071065-001

Report Date: 03-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-7/27/10

Collection Date: 7/27/2010 9:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		21.3	µg/L	1	7/28/2010 1:14:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/28/2010 1:14:00 PM	CCF
Toluene	NELAP	5.0		5.4	µg/L	1	7/28/2010 1:14:00 PM	CCF
Xylenes, Total	NELAP	5.0	J	2.9	µg/L	1	7/28/2010 1:14:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		103.9	%REC	1	7/28/2010 1:14:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		100	%REC	1	7/28/2010 1:14:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		99.7	%REC	1	7/28/2010 1:14:00 PM	CCF
Surr: Toluene-d8		84.3-114		100.3	%REC	1	7/28/2010 1:14:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/28/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		Interference	mg/L	10	7/28/2010 8:29:47 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.153	mg/L	10	7/28/2010 8:29:47 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10071065-001A	2169-treated-7/27/10	7/27/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/28/2010 10:01:19 AM	7/28/2010 1:43:00 PM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/28/2010 10:01:19 AM	7/28/2010 1:43:00 PM
10071065-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/28/2010 2:26:00 PM
				Standard Methods 18th Ed. 2540 D		7/27/2010 5:45:00 PM
				Standard Methods 18th Ed. 5210 B	7/28/2010 3:00:00 PM	7/28/2010 3:00:00 PM
10071065-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/27/2010 6:14:00 PM	7/28/2010 10:17:11 AM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/27/2010 6:14:00 PM	7/28/2010 12:31:57 PM
				SW-846 3020A, Metals by GFAA (Total)	7/27/2010 6:14:50 PM	7/28/2010 9:08:44 AM
				SW-846 7470A (Total)	7/28/2010 8:25:58 AM	7/28/2010
10071065-001D				SW-846 9012A		7/28/2010 8:29:47 AM
				SW-846 9012A (Total)		7/28/2010 8:29:47 AM
10071065-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/28/2010 1:14:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-R138344	SampType: MBLK	Units: mg/L				Prep Date:				RunNo: 138344		
Client ID: ZZZZZZ	Batch ID: R138344					Analysis Date: 7/27/2010				SeqNo: 2687391		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	< 6	6										

Sample ID: LCS-R138344	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 138344		
Client ID: ZZZZZZ	Batch ID: R138344					Analysis Date: 7/27/2010				SeqNo: 2687392		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	93	6	100.0	0	93.0	85	115					

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 138344		
Client ID: ZZZZZZ	Batch ID: R138344					Analysis Date: 7/27/2010				SeqNo: 2687412		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	95	6	100.0	0	95.0	85	115					

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L				Prep Date:				RunNo: 138344		
Client ID: ZZZZZZ	Batch ID: R138344					Analysis Date: 7/27/2010				SeqNo: 2687460		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	102	6	100.0	0	102.0	85	115					

Sample ID: 10071065-001BDUP	SampType: DUP	Units: mg/L				Prep Date:				RunNo: 138344		
Client ID: 2169-treated-7/27/10	Batch ID: R138344					Analysis Date: 7/27/2010				SeqNo: 2687474		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	22	6						19.00	14.6	15		

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L		Prep Date:		RunNo: 138344					
Client ID: ZZZZZZ	Batch ID: R138344			Analysis Date: 7/27/2010		SeqNo: 2688395					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: LCS-R138364		SampType: LCS		Units:		Prep Date:		RunNo: 138364			
Client ID: ZZZZZZ		Batch ID: R138364				Analysis Date: 7/28/2010		SeqNo: 2687756			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				

Sample ID: 10071065-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 138364			
Client ID: 2169-treated-7/27/10		Batch ID: R138364				Analysis Date: 7/28/2010		SeqNo: 2687758			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	12.1	1.00						12.06	0.166	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: LCS-62077	SampType: LCS	Units: mg/L			Prep Date: 7/28/2010			RunNo: 138532			
Client ID: ZZZZZZ	Batch ID: 62077	SOP 2030			Analysis Date: 7/28/2010			SeqNo: 2692463			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	193	5	198.0	0	97.5	84.6	115.4				
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Sample ID: 10071065-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/28/2010			RunNo: 138532			
Client ID: 2169-treated-7/27/10	Batch ID: 62077	SOP 2030			Analysis Date: 7/28/2010			SeqNo: 2692486			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	88	5						87.00	1.14	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-62038	SampType: MBLK	Units: mg/L				Prep Date: 7/27/2010				RunNo: 138320		
Client ID: ZZZZZZ	Batch ID: 62038	SOP 3034				Analysis Date: 7/28/2010				SeqNo: 2687314		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.0072	0.0100	0.01000	0	72.0	-100	100				J	

Sample ID: LCS-62038		SampType: LCS			Units: mg/L		Prep Date: 7/27/2010			RunNo: 138320		
Client ID: ZZZZZZ		Batch ID: 62038			SOP 3034		Analysis Date: 7/28/2010			SeqNo: 2687315		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium		0.218	0.0100	0.2000	0	108.8	85	115				

Sample ID: MB-62038		SampType: MBLK		Units: mg/L		Prep Date: 7/27/2010			RunNo: 138320		
Client ID: ZZZZZZ		Batch ID: 62038		SOP 3034		Analysis Date: 7/28/2010			SeqNo: 2687345		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62038		SampType: LCS			Units: mg/L		Prep Date: 7/27/2010			RunNo: 138320		
Client ID: ZZZZZZ		Batch ID: 62038			SOP 3034		Analysis Date: 7/28/2010			SeqNo: 2687346		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		0.0566	0.0100	0.05000	0	113.2	85	115				

Sample ID: MB-62038	SampType: MBLK	Units: mg/L			Prep Date: 7/27/2010			RunNo: 138319			
Client ID: ZZZZZZ	Batch ID: 62038	SOP 3034			Analysis Date: 7/28/2010			SeqNo: 2687418			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-62038	SampType: MBLK	Units: mg/L				Prep Date: 7/27/2010				RunNo: 138319		
Client ID: ZZZZZZ	Batch ID: 62038	SOP 3034				Analysis Date: 7/28/2010				SeqNo: 2687418		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100					

Sample ID: LCS-62038	SampType: LCS	Units: mg/L				Prep Date: 7/27/2010			RunNo: 138319		
Client ID: ZZZZZZ	Batch ID: 62038	SOP 3034				Analysis Date: 7/28/2010			SeqNo: 2687420		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.26	0.0250	2.000	0	113.0	85	115				
Barium	2.15	0.0050	2.000	0	107.6	85	115				
Cadmium	0.0549	0.0020	0.05000	0	109.8	85	115				
Chromium	0.230	0.0100	0.2000	0	115.0	85	115				
Selenium	2.25	0.0500	2.000	0	112.6	85	115				

Sample ID: MB-62038	SampType: MBLK	Units: mg/L				Prep Date: 7/27/2010				RunNo: 138320		
Client ID: ZZZZZZ	Batch ID: 62038	SOP 3034				Analysis Date: 7/28/2010				SeqNo: 2688056		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100					

Sample ID: LCS-62038		SampType: LCS			Units: mg/L		Prep Date: 7/27/2010			RunNo: 138320		
Client ID: ZZZZZZ		Batch ID: 62038			SOP 3034		Analysis Date: 7/28/2010			SeqNo: 2688057		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium		0.0566	0.0020	0.05000	0	113.2	85	115				

Sample ID: 10071065-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/27/2010				RunNo: 138320		
Client ID: 2169-treated-7/27/10	Batch ID: 62038	SOP 3034				Analysis Date: 7/28/2010				SeqNo: 2687348		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	0.0566	0.0100	0.05000	0	113.2	75	125					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: 10071065-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/27/2010		RunNo: 138320			
Client ID: 2169-treated-7/27/10		Batch ID: 62038		SOP 3034		Analysis Date: 7/28/2010		SeqNo: 2687349			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.0538	0.0100	0.05000	0	107.6	75	125	0.05660	5.07	20	

Sample ID: MB-62038		SampType: MBLK		Units: mg/L		Prep Date: 7/27/2010		RunNo: 138319			
Client ID: ZZZZZZ		Batch ID: 62038		SOP 3034		Analysis Date: 7/28/2010		SeqNo: 2687419			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62038		SampType: LCS		Units: mg/L		Prep Date: 7/27/2010		RunNo: 138319			
Client ID: ZZZZZZ		Batch ID: 62038		SOP 3034		Analysis Date: 7/28/2010		SeqNo: 2687421			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.26	0.0250	2.000	0	113.0	85	115				
Barium	2.15	0.0050	2.000	0	107.6	85	115				
Cadmium	0.0549	0.0020	0.05000	0	109.8	85	115				
Chromium	0.230	0.0100	0.2000	0	115.0	85	115				
Selenium	2.25	0.0500	2.000	0	112.6	85	115				

Sample ID: 10071065-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/27/2010		RunNo: 138319			
Client ID: 2169-treated-7/27/10		Batch ID: 62038		SOP 3034		Analysis Date: 7/28/2010		SeqNo: 2687423			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.22	0.0250	2.000	0	111.1	75	125				
Barium	2.10	0.0050	2.000	0.1771	96.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: 10071065-001CMS	SampType: MS	Units: mg/L			Prep Date: 7/27/2010			RunNo: 138319			
Client ID: 2169-treated-7/27/10	Batch ID: 62038	SOP 3034			Analysis Date: 7/28/2010			SeqNo: 2687423			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0496	0.0020	0.05000	0	99.2	75	125				
Chromium	0.208	0.0100	0.2000	0	104.0	75	125				
Selenium	2.16	0.0500	2.000	0	108.2	75	125				

Sample ID: 10071065-001CMSD	SampType: MSD	Units: mg/L			Prep Date: 7/27/2010			RunNo: 138319			
Client ID: 2169-treated-7/27/10	Batch ID: 62038	SOP 3034			Analysis Date: 7/28/2010			SeqNo: 2687424			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.20	0.0250	2.000	0	109.8	75	125	2.222	1.13	20	
Barium	2.08	0.0050	2.000	0.1771	94.9	75	125	2.097	1.01	20	
Cadmium	0.0489	0.0020	0.05000	0	97.8	75	125	0.04960	1.42	20	
Chromium	0.209	0.0100	0.2000	0	104.4	75	125	0.2081	0.336	20	
Selenium	2.15	0.0500	2.000	0	107.6	75	125	2.165	0.649	20	

Sample ID: LCS-62038	SampType: LCS	Units: mg/L			Prep Date: 7/27/2010			RunNo: 138432			
Client ID: ZZZZZZ	Batch ID: 62038	SOP 3034			Analysis Date: 7/30/2010			SeqNo: 2689471			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.0556	0.0100	0.05000	0	111.2	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-62040		SampType: MBLK		Units: mg/L		Prep Date: 7/27/2010			RunNo: 138349		
Client ID: ZZZZZZ		Batch ID: 62040		SOP 3044		Analysis Date: 7/28/2010			SeqNo: 2687538		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-62040		SampType: LCS			Units: mg/L		Prep Date: 7/27/2010			RunNo: 138349		
Client ID: ZZZZZZ		Batch ID: 62040			SOP 3044		Analysis Date: 7/28/2010			SeqNo: 2687539		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0148	0.0020	0.01500	0	98.5	80	120			
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Sample ID: 10071065-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/27/2010			RunNo: 138349		
Client ID: 2169-treated-7/27/10		Batch ID: 62040		SOP 3044		Analysis Date: 7/28/2010			SeqNo: 2687541		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0121	0.0020	0.01500	0.0005193	77.4	70	130			
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Sample ID: 10071065-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/27/2010			RunNo: 138349		
Client ID: 2169-treated-7/27/10		Batch ID: 62040		SOP 3044		Analysis Date: 7/28/2010			SeqNo: 2687542		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0133	0.0020	0.01500	0.0005193	85.2	70	130	0.01213	9.22	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-62055		SampType: MBLK			Units: mg/L		Prep Date: 7/28/2010			RunNo: 138353		
Client ID: ZZZZZZ		Batch ID: 62055			SOP 3062		Analysis Date: 7/28/2010			SeqNo: 2687669		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-62055		SampType: LCS			Units: mg/L		Prep Date: 7/28/2010			RunNo: 138353		
Client ID: ZZZZZZ		Batch ID: 62055			SOP 3062		Analysis Date: 7/28/2010			SeqNo: 2687670		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00526	0.00020	0.005000	0	105.2	85	115				
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Sample ID: 10071065-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/28/2010				RunNo: 138353		
Client ID: 2169-treated-7/27/10	Batch ID: 62055	SOP 3062				Analysis Date: 7/28/2010				SeqNo: 2687672		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00513	0.00020	0.005000	0	102.6	75	125				
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Sample ID: 10071065-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/28/2010			RunNo: 138353		
Client ID: 2169-treated-7/27/10		Batch ID: 62055		SOP 3062		Analysis Date: 7/28/2010			SeqNo: 2687673		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00510	0.00020	0.005000	0	102.0	75	125	0.005130	0.587	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: LCS-T100728-1	SampType: LCS	Units: µg/L				Prep Date: 7/28/2010			RunNo: 138362		
Client ID: ZZZZZZ	Batch ID: 62072	SW5030				Analysis Date: 7/28/2010			SeqNo: 2687750		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.2	2.0	50.00	0	102.5	82.7	117				
Ethylbenzene	47.9	5.0	50.00	0	95.8	83	113				
Toluene	48.6	5.0	50.00	0	97.1	79.6	116				
Xylenes, Total	152	5.0	150.0	0	101.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.3		50.00		104.6	74.7	129				
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119				
Surr: Dibromofluoromethane	49.5		50.00		98.9	81.7	123				
Surr: Toluene-d8	51.1		50.00		102.1	84.3	114				

Sample ID: LCSD-T100728-1	SampType: LCSD	Units: µg/L				Prep Date: 7/28/2010			RunNo: 138362		
Client ID: ZZZZZZ	Batch ID: 62072	SW5030				Analysis Date: 7/28/2010			SeqNo: 2687751		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.6	2.0	50.00	0	103.3	82.7	117	51.23	0.797	20	
Ethylbenzene	47.9	5.0	50.00	0	95.8	83	113	47.89	0	20	
Toluene	49.2	5.0	50.00	0	98.4	79.6	116	48.56	1.33	20	
Xylenes, Total	153	5.0	150.0	0	101.8	80.3	120	151.8	0.631	20	
Surr: 1,2-Dichloroethane-d4	51.8		50.00		103.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119		0	0	
Surr: Dibromofluoromethane	49.9		50.00		99.8	81.7	123		0	0	
Surr: Toluene-d8	50.4		50.00		100.9	84.3	114		0	0	

Sample ID: MBLK-T100728-1	SampType: MBLK	Units: µg/L				Prep Date: 7/28/2010			RunNo: 138362		
Client ID: ZZZZZZ	Batch ID: 62072	SW5030				Analysis Date: 7/28/2010			SeqNo: 2687752		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MBLK-T100728-1		SampType: MBLK		Units: µg/L		Prep Date: 7/28/2010			RunNo: 138362		
Client ID: ZZZZZZ		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010			SeqNo: 2687752		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	52.0		50.00		103.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.1		50.00		100.1	86	119				
Surr: Dibromofluoromethane	48.8		50.00		97.6	81.7	123				
Surr: Toluene-d8	49.9		50.00		99.9	84.3	114				

Sample ID: 10071065-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/28/2010			RunNo: 138362		
Client ID: 2169-treated-7/27/10		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010			SeqNo: 2687754		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	83.6	2.0	60.00	21.27	104.0	57.8	125				
Toluene	67.4	5.0	60.00	5.370	103.4	75.8	123				
Ethylbenzene	63.9	5.0	60.00	0	106.4	72.8	123				
Xylenes, Total	136	5.0	120.0	2.880	111.1	73	127				
Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.4		50.00		100.7	86	119				
Surr: Dibromofluoromethane	49.6		50.00		99.2	81.7	123				
Surr: Toluene-d8	49.6		50.00		99.1	84.3	114				

Sample ID: 10071065-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/28/2010			RunNo: 138362		
Client ID: 2169-treated-7/27/10		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010			SeqNo: 2687755		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	83.6	2.0	60.00	21.27	104.0	57.8	125	83.64	0	20	
Toluene	65.9	5.0	60.00	5.370	100.9	75.8	123	67.42	2.23	20	
Ethylbenzene	62.5	5.0	60.00	0	104.1	72.8	123	63.86	2.22	20	
Xylenes, Total	135	5.0	120.0	2.880	109.9	73	127	136.2	1.02	20	
Surr: 1,2-Dichloroethane-d4	52.3		50.00		104.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.5		50.00		100.9	86	119		0	0	
Surr: Dibromofluoromethane	49.6		50.00		99.2	81.7	123		0	0	
Surr: Toluene-d8	49.7		50.00		99.5	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-61997		SampType: MBLK		Units: mg/L		Prep Date: 7/26/2010			RunNo: 138269		
Client ID: ZZZZZZ		Batch ID: 61997		SW3510C		Analysis Date: 7/27/2010			SeqNo: 2685727		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00357		0.005000		71.5	41.9	97.9				
Surr: 2-Fluorophenol	0.00566		0.01000		56.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00392		0.005000		78.5	39.9	106				
Surr: Phenol-d5	0.00351		0.01000		35.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00448		0.005000		89.7	53	116				

Sample ID: LCS-61997		SampType: LCS		Units: mg/L		Prep Date: 7/26/2010			RunNo: 138269		
Client ID: ZZZZZZ		Batch ID: 61997		SW3510C		Analysis Date: 7/27/2010			SeqNo: 2685728		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00380	0.00010	0.005000	0	76.0	50.1	103				
Acenaphthylene	0.00382	0.00010	0.005000	0	76.5	53.3	122				
Anthracene	0.00380	0.00010	0.005000	0	76.1	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: LCS-61997		SampType: LCS		Units: mg/L		Prep Date: 7/26/2010		RunNo: 138269			
Client ID: ZZZZZZ		Batch ID: 61997		SW3510C		Analysis Date: 7/27/2010		SeqNo: 2685728			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00370	0.00010	0.005000	0	74.0	56	102				
Benzo(a)pyrene	0.00408	0.00010	0.005000	0	81.5	55.4	125				
Benzo(b)fluoranthene	0.00417	0.00010	0.005000	0	83.4	59.3	127				
Benzo(g,h,i)perylene	0.00429	0.00010	0.005000	0	85.8	58.4	125				
Benzo(k)fluoranthene	0.00400	0.00010	0.005000	0	80.0	61.5	125				
Chrysene	0.00414	0.00010	0.005000	0	82.8	58.7	118				
Dibenzo(a,h)anthracene	0.00424	0.00010	0.005000	0	84.8	59.3	126				
Fluoranthene	0.00387	0.00010	0.005000	0	77.4	60.1	117				
Fluorene	0.00389	0.00010	0.005000	0	77.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00421	0.00010	0.005000	0	84.2	58.1	123				
Naphthalene	0.00360	0.00010	0.005000	0	72.1	36.3	97.1				
Phenanthrene	0.00386	0.00010	0.005000	0	77.3	55.9	107				
Pyrene	0.00395	0.00010	0.005000	0	79.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.00382		0.005000		76.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00586		0.01000		58.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00413		0.005000		82.6	39.9	106				
Surr: Phenol-d5	0.00385		0.01000		38.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00459		0.005000		91.8	53	116				

Sample ID: LCSD-61997		SampType: LCSD		Units: mg/L		Prep Date: 7/26/2010		RunNo: 138269			
Client ID: ZZZZZZ		Batch ID: 61997		SW3510C		Analysis Date: 7/27/2010		SeqNo: 2685729			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00349	0.00010	0.005000	0	69.8	50.1	103	0.003802	8.61	50	
Acenaphthylene	0.00365	0.00010	0.005000	0	73.1	53.3	122	0.003825	4.57	50	
Anthracene	0.00368	0.00010	0.005000	0	73.6	57.4	110	0.003803	3.34	50	
Benzo(a)anthracene	0.00360	0.00010	0.005000	0	71.9	56	102	0.003701	2.85	50	
Benzo(a)pyrene	0.00383	0.00010	0.005000	0	76.5	55.4	125	0.004075	6.30	50	
Benzo(b)fluoranthene	0.00401	0.00010	0.005000	0	80.2	59.3	127	0.004171	3.99	50	
Benzo(g,h,i)perylene	0.00414	0.00010	0.005000	0	82.7	58.4	125	0.004289	3.63	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: LCSD-61997	SampType: LCSD	Units: mg/L				Prep Date: 7/26/2010			RunNo: 138269		
Client ID: ZZZZZZ	Batch ID: 61997	SW3510C				Analysis Date: 7/27/2010			SeqNo: 2685729		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00392	0.00010	0.005000	0	78.4	61.5	125	0.004000	1.97	50	
Chrysene	0.00402	0.00010	0.005000	0	80.4	58.7	118	0.004142	2.96	50	
Dibenzo(a,h)anthracene	0.00419	0.00010	0.005000	0	83.7	59.3	126	0.004241	1.28	50	
Fluoranthene	0.00376	0.00010	0.005000	0	75.1	60.1	117	0.003871	3.02	50	
Fluorene	0.00379	0.00010	0.005000	0	75.8	54.1	110	0.003891	2.66	50	
Indeno(1,2,3-cd)pyrene	0.00418	0.00010	0.005000	0	83.5	58.1	123	0.004211	0.859	50	
Naphthalene	0.00332	0.00010	0.005000	0	66.5	36.3	97.1	0.003605	8.08	50	
Phenanthrene	0.00380	0.00010	0.005000	0	76.1	55.9	107	0.003863	1.57	50	
Pyrene	0.00391	0.00010	0.005000	0	78.3	61.4	116	0.003954	1.04	50	
Surr: 2-Fluorobiphenyl	0.00370		0.005000		74.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00565		0.01000		56.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00405		0.005000		81.0	39.9	106		0	50	
Surr: Phenol-d5	0.00358		0.01000		35.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00443		0.005000		88.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-R138368	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 138368		
Client ID: ZZZZZZ	Batch ID: R138368					Analysis Date: 7/28/2010			SeqNo: 2687986		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R138368	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 138368		
Client ID: ZZZZZZ	Batch ID: R138368					Analysis Date: 7/28/2010			SeqNo: 2687987		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.024	0.007	0.02500	0	96.0	90	110				

Sample ID: LCS-R138368	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 138368		
Client ID: ZZZZZZ	Batch ID: R138368					Analysis Date: 7/28/2010			SeqNo: 2688841		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.026	0.007	0.02500	0	103.1	90	110				

Sample ID: 10071065-001DMS	SampType: MS	Units: mg/L				Prep Date:			RunNo: 138368		
Client ID: 2169-treated-7/27/10	Batch ID: R138368					Analysis Date: 7/28/2010			SeqNo: 2687976		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.169	0.070	0.02500	0.1525	64.0	75	125				S

Sample ID: 10071065-001DMSD	SampType: MSD	Units: mg/L				Prep Date:			RunNo: 138368		
Client ID: 2169-treated-7/27/10	Batch ID: R138368					Analysis Date: 7/28/2010			SeqNo: 2687977		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.175	0.070	0.02500	0.1525	89.6	75	125	0.1685	3.72	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10071065

Report Date: 03-Aug-10

Sample ID: MB-R138368		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138368		
Client ID: ZZZZZZ		Batch ID: R138368			Analysis Date: 7/28/2010			SeqNo: 2689695				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R138368		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 138368		
Client ID: ZZZZZZ		Batch ID: R138368			Analysis Date: 7/28/2010				SeqNo: 2689696		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.024	0.007	0.02500	0	96.0	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071065

Report Date: 03-Aug-10

Carrier: Sean Spinner

Received By: MLD

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

27-Jul-10

28-Jul-10

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	

Any No responses must be detailed below or on the COC.

Additional nitric acid was needed upon arrival at the laboratory. MLDII 7/27/10



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

Phone (618) 281-7173
Fax (618) 281-5120

COC Serial No. **B** 09908

10071065

1 DAY

Lab Directives:

Received by:

Distribution: WHITE to Lab PINK to QA/QC CANARY to PM GREEN to Sampler

PE-179 (6/03)

Shaded Areas to be Completed by Lab

August 03, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10071108

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/28/2010 2:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071108

Report Date: 03-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10071108-001	6785-treated-7/28/10	5	7/28/2010 9:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10071108

Report Date: 03-Aug-10

Cooler Receipt Temp: 3.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10071108

Lab ID: 10071108-001

Report Date: 03-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-7/28/10

Collection Date: 7/28/2010 9:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.0		1	7/28/2010 3:23:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	10	mg/L	1	7/28/2010 3:00:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		86	mg/L	1	7/28/2010 4:50:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	7/30/2010 9:59:04 AM	LAL
Barium	NELAP	0.0050		0.151	mg/L	1	7/30/2010 9:59:04 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	7/30/2010 9:59:04 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	7/30/2010 9:59:04 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	7/30/2010 9:59:04 AM	LAL
Silver	NELAP	0.0100	J	0.0036	mg/L	1	7/30/2010 9:59:04 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0013	mg/L	1	7/29/2010 2:19:24 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00071	mg/L	1	7/29/2010 1:28:00 PM	MAV
Anthracene	NELAP	0.00010	J	0.00009	mg/L	1	7/29/2010 1:28:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Naphthalene	NELAP	0.00010		0.00058	mg/L	1	7/29/2010 1:28:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	7/29/2010 1:28:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00080	mg/L	1	7/29/2010 1:28:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		72.1	%REC	1	7/29/2010 1:28:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		33.4	%REC	1	7/29/2010 1:28:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		63.4	%REC	1	7/29/2010 1:28:00 PM	MAV
Surr: Phenol-d5		11-42.8		20.9	%REC	1	7/29/2010 1:28:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		80.7	%REC	1	7/29/2010 1:28:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10071108

Lab ID: 10071108-001

Report Date: 03-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-7/28/10

Collection Date: 7/28/2010 9:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		15.2	µg/L	1	7/28/2010 4:19:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/28/2010 4:19:00 PM	CCF
Toluene	NELAP	5.0	J	3.1	µg/L	1	7/28/2010 4:19:00 PM	CCF
Xylenes, Total	NELAP	5.0	J	1.6	µg/L	1	7/28/2010 4:19:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		104.5	%REC	1	7/28/2010 4:19:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		102.6	%REC	1	7/28/2010 4:19:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		100.3	%REC	1	7/28/2010 4:19:00 PM	CCF
Surr: Toluene-d8		84.3-114		99.8	%REC	1	7/28/2010 4:19:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	7/29/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		Interference	mg/L	20	7/29/2010 11:10:26 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.100		0.136	mg/L	20	7/29/2010 11:10:26 AM	RCE

Sample Narrative

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10071108-001A	6785-treated-7/28/10	7/28/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/29/2010 8:28:19 AM	7/29/2010 1:28:00 PM
10071108-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/28/2010 3:23:00 PM
				Standard Methods 18th Ed. 2540 D		7/28/2010 3:00:00 PM
				Standard Methods 18th Ed. 5210 B	7/28/2010 4:50:00 PM	7/28/2010 4:50:00 PM
10071108-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/28/2010 3:55:54 PM	7/29/2010 12:11:04 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	7/28/2010 3:55:54 PM	7/30/2010 9:59:04 AM
				SW-846 3020A, Metals by GFAA (Total)	7/28/2010 3:50:37 PM	7/29/2010 2:19:24 PM
				SW-846 7470A (Total)	7/29/2010 8:37:36 AM	7/29/2010
10071108-001D				SW-846 9012A		7/29/2010 11:10:26 AM
				SW-846 9012A (Total)		7/29/2010 11:10:26 AM
10071108-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/28/2010 4:19:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: MB-R138344		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138344		
Client ID: ZZZZZZ		Batch ID: R138344					Analysis Date: 7/27/2010			SeqNo: 2687391	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138344		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138344		
Client ID: ZZZZZZ		Batch ID: R138344			Analysis Date: 7/27/2010			SeqNo: 2687392				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138344		
Client ID: ZZZZZZ		Batch ID: R138344			Analysis Date: 7/27/2010			SeqNo: 2687412				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138344		
Client ID: ZZZZZZ		Batch ID: R138344			Analysis Date: 7/27/2010			SeqNo: 2687460				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	102	6	100.0	0	102.0	85	115				
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Sample ID: 10071108-001BDUP		SampType: DUP		Units: mg/L		Prep Date:		RunNo: 138344			
Client ID: 6785-treated-7/28/10		Batch ID: R138344				Analysis Date: 7/28/2010		SeqNo: 2688394			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	8	6						10.00	22.2	15	R
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L		Prep Date:		RunNo: 138344					
Client ID: ZZZZZZ	Batch ID: R138344			Analysis Date: 7/27/2010		SeqNo: 2688395					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCS-R138364	SampType: LCS	Units:		Prep Date:		RunNo: 138364					
Client ID: ZZZZZZ	Batch ID: R138364			Analysis Date: 7/28/2010		SeqNo: 2687756					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10071108-001BDUP	SampType: DUP	Units:		Prep Date:		RunNo: 138364					
Client ID: 6785-treated-7/28/10	Batch ID: R138364			Analysis Date: 7/28/2010		SeqNo: 2689268					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	12.0	1.00						11.97	0.250	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCS-62078	SampType: LCS	Units: mg/L			Prep Date: 7/28/2010			RunNo: 138532			
Client ID: ZZZZZZ	Batch ID: 62078	SOP 2030			Analysis Date: 7/28/2010			SeqNo: 2692488			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	208	5	198.0	0	105.1	84.6	115.4				
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Sample ID: 10071108-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/28/2010			RunNo: 138532			
Client ID: 6785-treated-7/28/10	Batch ID: 62078	SOP 2030			Analysis Date: 7/28/2010			SeqNo: 2692501			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	85	5						86.00	1.17	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: MB-62075	SampType: MBLK	Units: mg/L			Prep Date: 7/28/2010			RunNo: 138444			
Client ID: ZZZZZZ	Batch ID: 62075	SOP 3034			Analysis Date: 7/30/2010			SeqNo: 2689911			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62075	SampType: LCS	Units: mg/L				Prep Date: 7/28/2010			RunNo: 138444		
Client ID: ZZZZZZ	Batch ID: 62075	SOP 3034				Analysis Date: 7/30/2010			SeqNo: 2689912		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	98.8	85	115				
Barium	1.97	0.0050	2.000	0	98.6	85	115				
Cadmium	0.0512	0.0020	0.05000	0	102.4	85	115				
Chromium	0.208	0.0100	0.2000	0	104.2	85	115				
Selenium	2.02	0.0500	2.000	0	101.2	85	115				
Silver	0.0502	0.0100	0.05000	0	100.4	85	115				

Sample ID: 10071108-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/28/2010			RunNo: 138444		
Client ID: 6785-treated-7/28/10	Batch ID: 62075	SOP 3034				Analysis Date: 7/30/2010			SeqNo: 2689914		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.96	0.0250	2.000	0	98.1	75	125				
Barium	1.92	0.0050	2.000	0.1507	88.6	75	125				
Cadmium	0.0459	0.0020	0.05000	0	91.8	75	125				
Chromium	0.194	0.0100	0.2000	0	97.0	75	125				
Selenium	1.98	0.0500	2.000	0	99.1	75	125				
Silver	0.0489	0.0100	0.05000	0.003600	90.6	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: 10071108-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/28/2010		RunNo: 138444			
Client ID: 6785-treated-7/28/10		Batch ID: 62075		SOP 3034		Analysis Date: 7/30/2010		SeqNo: 2689915			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.97	0.0250	2.000	0	98.4	75	125	1.962	0.255	20	
Barium	1.94	0.0050	2.000	0.1507	89.5	75	125	1.922	0.932	20	
Cadmium	0.0464	0.0020	0.05000	0	92.8	75	125	0.04590	1.08	20	
Chromium	0.197	0.0100	0.2000	0	98.6	75	125	0.1939	1.69	20	
Selenium	2.02	0.0500	2.000	0	100.9	75	125	1.981	1.85	20	
Silver	0.0505	0.0100	0.05000	0.003600	93.8	75	125	0.04890	3.22	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: MB-62074		SampType: MBLK		Units: mg/L		Prep Date: 7/28/2010			RunNo: 138427			
Client ID: ZZZZZZ		Batch ID: 62074		SOP 3044		Analysis Date: 7/29/2010			SeqNo: 2689241			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0012	0.0020	0.002000	0	57.7	-100	100				J

Sample ID: LCS-62074		SampType: LCS		Units: mg/L		Prep Date: 7/28/2010			RunNo: 138427			
Client ID: ZZZZZZ		Batch ID: 62074		SOP 3044		Analysis Date: 7/29/2010			SeqNo: 2689243			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0158	0.0020	0.01500	0	105.2	80	120				

Sample ID: 10071108-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/28/2010			RunNo: 138427			
Client ID: 6785-treated-7/28/10		Batch ID: 62074		SOP 3044		Analysis Date: 7/29/2010			SeqNo: 2689255			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0149	0.0020	0.01500	0.001329	90.6	70	130				

Sample ID: 10071108-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/28/2010			RunNo: 138427			
Client ID: 6785-treated-7/28/10		Batch ID: 62074		SOP 3044		Analysis Date: 7/29/2010			SeqNo: 2689256			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0160	0.0020	0.01500	0.001329	97.9	70	130	0.01492	7.10	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: MB-62089	SampType: MBLK	Units: mg/L				Prep Date: 7/29/2010			RunNo: 138417		
Client ID: ZZZZZZ	Batch ID: 62089	SOP 3062				Analysis Date: 7/29/2010			SeqNo: 2689084		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62089	SampType: LCS	Units: mg/L				Prep Date: 7/29/2010			RunNo: 138417		
Client ID: ZZZZZZ	Batch ID: 62089	SOP 3062				Analysis Date: 7/29/2010			SeqNo: 2689085		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00445	0.00020	0.005000	0	89.0	85	115				

Sample ID: 10071108-001CMS	SampType: MS	Units: mg/L				Prep Date: 7/29/2010			RunNo: 138417		
Client ID: 6785-treated-7/28/10	Batch ID: 62089	SOP 3062				Analysis Date: 7/29/2010			SeqNo: 2689089		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00433	0.00020	0.005000	0	86.6	75	125				

Sample ID: 10071108-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 7/29/2010			RunNo: 138417		
Client ID: 6785-treated-7/28/10	Batch ID: 62089	SOP 3062				Analysis Date: 7/29/2010			SeqNo: 2689090		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00432	0.00020	0.005000	0	86.4	75	125	0.004330	0.231	15	

Sample ID: MB-62089	SampType: MBLK	Units: µg/L				Prep Date: 7/29/2010			RunNo: 138417		
Client ID: ZZZZZZ	Batch ID: 62089	SOP 3062				Analysis Date: 7/29/2010			SeqNo: 2689086		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCS-62089	SampType: LCS	Units: µg/L			Prep Date: 7/29/2010			RunNo: 138417			
Client ID: ZZZZZZ	Batch ID: 62089	SOP 3062			Analysis Date: 7/29/2010			SeqNo: 2689087			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.45	0.20	5.000	0	89.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCS-T100728-1		SampType: LCS		Units: µg/L		Prep Date: 7/28/2010		RunNo: 138362			
Client ID: ZZZZZZ		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010		SeqNo: 2687750			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.2	2.0	50.00	0	102.5	82.7	117				
Ethylbenzene	47.9	5.0	50.00	0	95.8	83	113				
Toluene	48.6	5.0	50.00	0	97.1	79.6	116				
Xylenes, Total	152	5.0	150.0	0	101.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.3		50.00		104.6	74.7	129				
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119				
Surr: Dibromofluoromethane	49.5		50.00		98.9	81.7	123				
Surr: Toluene-d8	51.1		50.00		102.1	84.3	114				

Sample ID: LCSD-T100728-1		SampType: LCSD		Units: µg/L		Prep Date: 7/28/2010		RunNo: 138362			
Client ID: ZZZZZZ		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010		SeqNo: 2687751			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.6	2.0	50.00	0	103.3	82.7	117	51.23	0.797	20	
Ethylbenzene	47.9	5.0	50.00	0	95.8	83	113	47.89	0	20	
Toluene	49.2	5.0	50.00	0	98.4	79.6	116	48.56	1.33	20	
Xylenes, Total	153	5.0	150.0	0	101.8	80.3	120	151.8	0.631	20	
Surr: 1,2-Dichloroethane-d4	51.8		50.00		103.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119		0	0	
Surr: Dibromofluoromethane	49.9		50.00		99.8	81.7	123		0	0	
Surr: Toluene-d8	50.4		50.00		100.9	84.3	114		0	0	

Sample ID: MBLK-T100728-1		SampType: MBLK		Units: µg/L		Prep Date: 7/28/2010		RunNo: 138362			
Client ID: ZZZZZZ		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010		SeqNo: 2687752			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: MBLK-T100728-1		SampType: MBLK		Units: µg/L		Prep Date: 7/28/2010				RunNo: 138362			
Client ID: ZZZZZZ		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010				SeqNo: 2687752			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	52.0		50.00		103.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.1		50.00		100.1	86	119				
Surr: Dibromofluoromethane	48.8		50.00		97.6	81.7	123				
Surr: Toluene-d8	49.9		50.00		99.9	84.3	114				

Sample ID: 10071108-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/28/2010			RunNo: 138362		
Client ID: 6785-treated-7/28/10		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010			SeqNo: 2688525		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	77.6	2.0	60.00	15.18	104.1	57.8	125				
Toluene	65.9	5.0	60.00	3.140	104.7	75.8	123				
Ethylbenzene	65.0	5.0	60.00	0	108.4	72.8	123				
Xylenes, Total	135	5.0	120.0	1.600	111.5	73	127				
Surr: 1,2-Dichloroethane-d4	53.3		50.00		106.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.2		50.00		102.4	86	119				
Surr: Dibromofluoromethane	50.1		50.00		100.2	81.7	123				
Surr: Toluene-d8	50.6		50.00		101.3	84.3	114				

Sample ID: 10071108-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/28/2010			RunNo: 138362		
Client ID: 6785-treated-7/28/10		Batch ID: 62072		SW5030		Analysis Date: 7/28/2010			SeqNo: 2688526		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	77.1	2.0	60.00	15.18	103.2	57.8	125	77.65	0.711	20	
Toluene	64.3	5.0	60.00	3.140	102.0	75.8	123	65.93	2.49	20	
Ethylbenzene	62.8	5.0	60.00	0	104.6	72.8	123	65.05	3.60	20	
Xylenes, Total	133	5.0	120.0	1.600	109.4	73	127	135.4	1.86	20	
Surr: 1,2-Dichloroethane-d4	52.1		50.00		104.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.9		50.00		101.8	86	119		0	0	
Surr: Dibromofluoromethane	48.8		50.00		97.5	81.7	123		0	0	
Surr: Toluene-d8	49.7		50.00		99.4	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: MB-62082		SampType: MBLK		Units: mg/L		Prep Date: 7/29/2010			RunNo: 138412		
Client ID: ZZZZZZ		Batch ID: 62082		SW3510C		Analysis Date: 7/29/2010			SeqNo: 2688885		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00403		0.005000		80.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00471		0.01000		47.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00343		0.005000		68.6	39.9	106				
Surr: Phenol-d5	0.00298		0.01000		29.8	9.94	53.7				
Surr: p-Terphenyl-d14	0.00450		0.005000		90.0	53	116				

Sample ID: LCS-62082		SampType: LCS		Units: mg/L		Prep Date: 7/29/2010			RunNo: 138412		
Client ID: ZZZZZZ		Batch ID: 62082		SW3510C		Analysis Date: 7/29/2010			SeqNo: 2688886		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00332	0.00010	0.005000	0	66.5	50.1	103				
Acenaphthylene	0.00355	0.00010	0.005000	0	71.1	53.3	122				
Anthracene	0.00344	0.00010	0.005000	0	68.8	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCS-62082		SampType: LCS		Units: mg/L		Prep Date: 7/29/2010		RunNo: 138412			
Client ID: ZZZZZZ		Batch ID: 62082		SW3510C		Analysis Date: 7/29/2010		SeqNo: 2688886			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00339	0.00010	0.005000	0	67.7	56	102				
Benzo(a)pyrene	0.00366	0.00010	0.005000	0	73.3	55.4	125				
Benzo(b)fluoranthene	0.00378	0.00010	0.005000	0	75.7	59.3	127				
Benzo(g,h,i)perylene	0.00380	0.00010	0.005000	0	76.0	58.4	125				
Benzo(k)fluoranthene	0.00369	0.00010	0.005000	0	73.8	61.5	125				
Chrysene	0.00363	0.00010	0.005000	0	72.7	58.7	118				
Dibenzo(a,h)anthracene	0.00391	0.00010	0.005000	0	78.1	59.3	126				
Fluoranthene	0.00378	0.00010	0.005000	0	75.5	60.1	117				
Fluorene	0.00373	0.00010	0.005000	0	74.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00382	0.00010	0.005000	0	76.4	58.1	123				
Naphthalene	0.00333	0.00010	0.005000	0	66.5	36.3	97.1				
Phenanthrene	0.00351	0.00010	0.005000	0	70.1	55.9	107				
Pyrene	0.00370	0.00010	0.005000	0	74.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.00380		0.005000		75.9	41.9	97.9				
Surr: 2-Fluorophenol	0.00429		0.01000		42.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00330		0.005000		66.0	39.9	106				
Surr: Phenol-d5	0.00284		0.01000		28.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00433		0.005000		86.6	53	116				

Sample ID: LCSD-62082		SampType: LCSD		Units: mg/L		Prep Date: 7/29/2010		RunNo: 138412			
Client ID: ZZZZZZ		Batch ID: 62082		SW3510C		Analysis Date: 7/29/2010		SeqNo: 2688887			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00330	0.00010	0.005000	0	65.9	50.1	103	0.003324	0.876	50	
Acenaphthylene	0.00345	0.00010	0.005000	0	69.0	53.3	122	0.003554	2.91	50	
Anthracene	0.00349	0.00010	0.005000	0	69.7	57.4	110	0.003438	1.42	50	
Benzo(a)anthracene	0.00319	0.00010	0.005000	0	63.8	56	102	0.003386	6.02	50	
Benzo(a)pyrene	0.00368	0.00010	0.005000	0	73.6	55.4	125	0.003663	0.436	50	
Benzo(b)fluoranthene	0.00379	0.00010	0.005000	0	75.8	59.3	127	0.003783	0.211	50	
Benzo(g,h,i)perylene	0.00373	0.00010	0.005000	0	74.7	58.4	125	0.003801	1.81	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCSD-62082	SampType: LCSD	Units: mg/L				Prep Date: 7/29/2010			RunNo: 138412		
Client ID: ZZZZZZ	Batch ID: 62082	SW3510C				Analysis Date: 7/29/2010			SeqNo: 2688887		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00372	0.00010	0.005000	0	74.3	61.5	125	0.003692	0.648	50	
Chrysene	0.00360	0.00010	0.005000	0	72.0	58.7	118	0.003634	0.884	50	
Dibenzo(a,h)anthracene	0.00383	0.00010	0.005000	0	76.5	59.3	126	0.003906	2.04	50	
Fluoranthene	0.00370	0.00010	0.005000	0	74.1	60.1	117	0.003776	1.95	50	
Fluorene	0.00354	0.00010	0.005000	0	70.9	54.1	110	0.003730	5.09	50	
Indeno(1,2,3-cd)pyrene	0.00377	0.00010	0.005000	0	75.4	58.1	123	0.003822	1.34	50	
Naphthalene	0.00328	0.00010	0.005000	0	65.7	36.3	97.1	0.003326	1.30	50	
Phenanthrene	0.00354	0.00010	0.005000	0	70.9	55.9	107	0.003506	1.05	50	
Pyrene	0.00374	0.00010	0.005000	0	74.8	61.4	116	0.003704	0.914	50	
Surr: 2-Fluorobiphenyl	0.00404		0.005000		80.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00427		0.01000		42.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00350		0.005000		70.0	39.9	106		0	50	
Surr: Phenol-d5	0.00287		0.01000		28.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00423		0.005000		84.6	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10071108

Report Date: 03-Aug-10

Sample ID: LCS-R138423		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138423		
Client ID: ZZZZZZ		Batch ID: R138423			Analysis Date: 7/29/2010			SeqNo: 2689698				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.023	0.007	0.02500	0	92.6	90	110				
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Sample ID: MB-R138423		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138423		
Client ID: ZZZZZZ		Batch ID: R138423			Analysis Date: 7/29/2010			SeqNo: 2689945				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: 10071108-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 138423		
Client ID: 6785-treated-7/28/10		Batch ID: R138423			Analysis Date: 7/29/2010			SeqNo: 2689066				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.185	0.140	0.05000	0.1363	97.8	75	125				
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Sample ID: 10071108-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138423		
Client ID: 6785-treated-7/28/10		Batch ID: R138423					Analysis Date: 7/29/2010			SeqNo: 2689067	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.191	0.140	0.05000	0.1363	108.6	75	125	0.1852	2.87	15	
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Sample ID: MB-R138423		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138423		
Client ID: ZZZZZZ		Batch ID: R138423			Analysis Date: 7/29/2010			SeqNo: 2689946				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071108

Report Date: 03-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: LCS-R138423		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 138423		
Client ID: ZZZZZZ		Batch ID: R138423					Analysis Date: 7/29/2010		SeqNo: 2689947		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.023	0.007	0.02500	0	92.6	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071108

Report Date: 03-Aug-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

28-Jul-10

Dawn Brantley

Reviewed by:

On:

28-Jul-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.0
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

100 71108



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09910

Project Name: Amena Champion Project Mgr.: P. Szazana
Project Number: 624-0908-Oldo Cost Code: 70002
Sampler(s): J. Crompton
Laboratory Name: Teklab
Location: Collinsville
Sample Number and (depth): 6785 - treated - 7/28/10 Date: 7/28/10 Time: 0920

Analyses by Method Name and Number		Total Number of Containers		Matrix		Date		Time		Comments (Field PID)	Lab ID #'s
Method Name	Number	Soil	Water	Air	Wipes	Other *					
BTEX R60	X	X	X	X	X	X	X	X	X		
SVEs R70 svs	X	X	X	X	X	X	X	X	X		
PCIA Metals	X	X	X	X	X	X	X	X	X		
Total + Available	X	X	X	X	X	X	X	X	X		
TSS	X	X	X	X	X	X	X	X	X		
pH	X	X	X	X	X	X	X	X	X		
BODs	X	X	X	X	X	X	X	X	X		
1 DAY Teklab, Inc. Courier Pick Up											100 71108-021

Laboratory Temperature upon Receipt
30°C ICE
7/28/10
P. Szazana

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☒ Metals	Nitric acid
☒ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: P. Szazana and L. Thorner

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:

Carrier / Airbill No. _____

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

PE-179 (6/03)

Relinquished by:

Signature: [Signature] Date: 7-28-10 Time: 1100

Signature: [Signature] Date: 7/28/10 Time: 1430

Received by:

Signature: [Signature] Date: 7/28/10 Time: 1100

Signature: [Signature] Date: 7/28/10 Time: 1430

Shaded Areas to be Completed by Lab

August 04, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10071224

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/30/2010 1:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071224

Report Date: 04-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10071224-001	4091-treated-7/29/10	5	7/29/2010 1:25:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10071224

Report Date: 04-Aug-10

Cooler Receipt Temp: 0.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10071224

Lab ID: 10071224-001

Report Date: 04-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-7/29/10

Collection Date: 7/29/2010 1:25:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.0		1	7/30/2010 3:38:00 PM	KNS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		6	mg/L	1	8/2/2010 12:00:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		67	mg/L	1	7/30/2010 4:20:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/2/2010 1:07:55 PM	LAL
Barium	NELAP	0.0050		0.0855	mg/L	1	8/2/2010 1:07:55 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	8/2/2010 1:07:55 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/2/2010 1:07:55 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/2/2010 1:07:55 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/2/2010 1:07:55 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0004	mg/L	1	8/2/2010 9:39:32 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00019	mg/L	1	8/2/2010 12:07:00 PM	TV
Acenaphthylene	NELAP	0.00010		0.00075	mg/L	1	8/2/2010 12:07:00 PM	TV
Anthracene	NELAP	0.00010		0.00020	mg/L	1	8/2/2010 12:07:00 PM	TV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Fluorene	NELAP	0.00010		0.00027	mg/L	1	8/2/2010 12:07:00 PM	TV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/2/2010 12:07:00 PM	TV
Phenanthrene	NELAP	0.00010		0.00034	mg/L	1	8/2/2010 12:07:00 PM	TV
Pyrene	NELAP	0.00010		0.00010	mg/L	1	8/2/2010 12:07:00 PM	TV
Total PNAs except Naphthalene		0.00013		0.00185	mg/L	1	8/2/2010 12:07:00 PM	TV
Surr: 2-Fluorobiphenyl		41.1-108		77.8	%REC	1	8/2/2010 12:07:00 PM	TV
Surr: 2-Fluorophenol		16.8-65.9		26.2	%REC	1	8/2/2010 12:07:00 PM	TV
Surr: Nitrobenzene-d5		37.6-105		69.0	%REC	1	8/2/2010 12:07:00 PM	TV
Surr: Phenol-d5		11-42.8		17.0	%REC	1	8/2/2010 12:07:00 PM	TV
Surr: p-Terphenyl-d14		49-113		80.4	%REC	1	8/2/2010 12:07:00 PM	TV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10071224

Lab ID: 10071224-001

Report Date: 04-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-7/29/10

Collection Date: 7/29/2010 1:25:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		21.1	µg/L	1	7/30/2010 4:30:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/30/2010 4:30:00 PM	CCF
Toluene	NELAP	5.0	J	4.0	µg/L	1	7/30/2010 4:30:00 PM	CCF
Xylenes, Total	NELAP	5.0	J	2.6	µg/L	1	7/30/2010 4:30:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		104.1	%REC	1	7/30/2010 4:30:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		99.0	%REC	1	7/30/2010 4:30:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		101.4	%REC	1	7/30/2010 4:30:00 PM	CCF
Surr: Toluene-d8		84.3-114		100.5	%REC	1	7/30/2010 4:30:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/2/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		Interference	mg/L	20	8/3/2010 9:30:41 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140		0.308	mg/L	20	8/3/2010 9:30:41 AM	RCE

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10071224-001A	4091-treated-7/29/10	7/29/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/31/2010 12:14:39 AM	8/2/2010 12:07:00 PM
10071224-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		7/30/2010 3:38:00 PM
				Standard Methods 18th Ed. 2540 D		8/2/2010 12:00:00 PM
				Standard Methods 18th Ed. 5210 B	7/30/2010 4:20:00 PM	7/30/2010 4:20:00 PM
10071224-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	7/30/2010 5:53:21 PM	8/2/2010 1:07:55 PM
				SW-846 3020A, Metals by GFAA (Total)	7/30/2010 5:51:35 PM	8/2/2010 9:39:32 AM
				SW-846 7470A (Total)	8/2/2010 8:48:18 AM	8/2/2010
				SW-846 7470A (Total)	8/2/2010 8:48:18 AM	8/2/2010
10071224-001D				SW-846 9012A		8/3/2010 9:30:41 AM
				SW-846 9012A (Total)		8/3/2010 9:30:41 AM
10071224-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		7/30/2010 4:30:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071224

Report Date: 04-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R138531		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138531		
Client ID: ZZZZZZ		Batch ID: R138531					Analysis Date: 8/2/2010			SeqNo: 2692418	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138531		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138531		
Client ID: ZZZZZZ		Batch ID: R138531			Analysis Date: 8/2/2010			SeqNo: 2692419				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138531		
Client ID: ZZZZZZ		Batch ID: R138531			Analysis Date: 8/2/2010			SeqNo: 2692437				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: 10071224-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 138531		
Client ID: 4091-treated-7/29/10		Batch ID: R138531		Analysis Date: 8/2/2010			SeqNo: 2692442				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	5	6						6.000	0	15	J
------------------------	---	---	--	--	--	--	--	-------	---	----	---

Sample ID: MB-R138531	SampType: MBLK	Units: mg/L				Prep Date:				RunNo: 138531		
Client ID: ZZZZZZ	Batch ID: R138531					Analysis Date: 8/2/2010				SeqNo: 2692453		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCSQC	SampType: LCSQC	Units: mg/L			Prep Date:			RunNo: 138531			
Client ID: ZZZZZZ	Batch ID: R138531				Analysis Date: 8/2/2010			SeqNo: 2692457			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	97	6	100.0	0	97.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCS-R138489		SampType: LCS			Units:		Prep Date:			RunNo: 138489		
Client ID: ZZZZZZ		Batch ID: R138489			Analysis Date: 7/30/2010			SeqNo: 2691010				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.02	1.00	7.000	0	100.3	99.1	100.9				
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Sample ID: 10071224-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 138489			
Client ID: 4091-treated-7/29/10		Batch ID: R138489				Analysis Date: 7/30/2010		SeqNo: 2691012			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	12.1	1.00						12.03	0.415	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCS-62140	SampType: LCS	Units: mg/L			Prep Date: 7/30/2010			RunNo: 138606			
Client ID: ZZZZZZ	Batch ID: 62140	SOP 2030			Analysis Date: 7/30/2010			SeqNo: 2694635			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	191	5	198.0	0	96.5	84.6	115.4				
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Sample ID: 10071224-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 7/30/2010			RunNo: 138606			
Client ID: 4091-treated-7/29/10	Batch ID: 62140	SOP 2030			Analysis Date: 7/30/2010			SeqNo: 2694648			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	66	5						67.00	1.50	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: MB-62141	SampType: MBLK	Units: mg/L			Prep Date: 7/30/2010			RunNo: 138519			
Client ID: ZZZZZZ	Batch ID: 62141	SOP 3034			Analysis Date: 8/2/2010			SeqNo: 2692309			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62141	SampType: LCS	Units: mg/L				Prep Date: 7/30/2010			RunNo: 138519		
Client ID: ZZZZZZ	Batch ID: 62141	SOP 3034				Analysis Date: 8/2/2010			SeqNo: 2692311		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.91	0.0250	2.000	0	95.4	85	115				
Barium	1.86	0.0050	2.000	0	93.2	85	115				
Cadmium	0.0483	0.0020	0.05000	0	96.6	85	115				
Chromium	0.196	0.0100	0.2000	0	98.2	85	115				
Selenium	1.92	0.0500	2.000	0	95.9	85	115				
Silver	0.0468	0.0100	0.05000	0	93.6	85	115				

Sample ID: 10071224-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/30/2010			RunNo: 138519		
Client ID: 4091-treated-7/29/10		Batch ID: 62141		SOP 3034		Analysis Date: 8/2/2010			SeqNo: 2692313		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.90	0.0250	2.000	0	95.2	75	125				
Barium	1.79	0.0050	2.000	0.08550	85.4	75	125				
Cadmium	0.0439	0.0020	0.05000	0	87.8	75	125				
Chromium	0.189	0.0100	0.2000	0	94.4	75	125				
Selenium	1.90	0.0500	2.000	0	95.0	75	125				
Silver	0.0460	0.0100	0.05000	0	92.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: 10071224-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/30/2010		RunNo: 138519			
Client ID: 4091-treated-7/29/10		Batch ID: 62141		SOP 3034		Analysis Date: 8/2/2010		SeqNo: 2692314			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.89	0.0250	2.000	0	94.4	75	125	1.903	0.844	20	
Barium	1.78	0.0050	2.000	0.08550	84.7	75	125	1.794	0.783	20	
Cadmium	0.0434	0.0020	0.05000	0	86.8	75	125	0.04390	1.15	20	
Chromium	0.187	0.0100	0.2000	0	93.5	75	125	0.1889	1.01	20	
Selenium	1.90	0.0500	2.000	0	95.1	75	125	1.901	0.0526	20	
Silver	0.0472	0.0100	0.05000	0	94.4	75	125	0.04600	2.58	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: MB-62139		SampType: MBLK		Units: mg/L		Prep Date: 7/30/2010			RunNo: 138521		
Client ID: ZZZZZZ		Batch ID: 62139		SOP 3044		Analysis Date: 8/2/2010			SeqNo: 2692058		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-62139		SampType: LCS			Units: mg/L		Prep Date: 7/30/2010			RunNo: 138521		
Client ID: ZZZZZZ		Batch ID: 62139			SOP 3044		Analysis Date: 8/2/2010			SeqNo: 2692060		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0157	0.0020	0.01500	0	104.9	80	120			
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Sample ID: 10071224-001CMS		SampType: MS		Units: mg/L		Prep Date: 7/30/2010			RunNo: 138521		
Client ID: 4091-treated-7/29/10		Batch ID: 62139		SOP 3044		Analysis Date: 8/2/2010			SeqNo: 2692063		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0150	0.0020	0.01500	0.0004070	97.6	70	130			
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Sample ID: 10071224-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 7/30/2010			RunNo: 138521		
Client ID: 4091-treated-7/29/10		Batch ID: 62139		SOP 3044		Analysis Date: 8/2/2010			SeqNo: 2692064		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0170	0.0020	0.01500	0.0004070	110.6	70	130	0.01505	12.2	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: MB-62158	SampType: MBLK	Units: mg/L				Prep Date: 8/2/2010			RunNo: 138516		
Client ID: ZZZZZZ	Batch ID: 62158	SOP 3062				Analysis Date: 8/2/2010			SeqNo: 2692171		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62158	SampType: LCS	Units: mg/L				Prep Date: 8/2/2010			RunNo: 138516		
Client ID: ZZZZZZ	Batch ID: 62158	SOP 3062				Analysis Date: 8/2/2010			SeqNo: 2692172		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00494	0.00020	0.005000	0	98.8	85	115				

Sample ID: 10071224-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/2/2010			RunNo: 138516		
Client ID: 4091-treated-7/29/10	Batch ID: 62158	SOP 3062				Analysis Date: 8/2/2010			SeqNo: 2692174		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00485	0.00020	0.005000	0	97.0	75	125				

Sample ID: 10071224-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 8/2/2010			RunNo: 138516		
Client ID: 4091-treated-7/29/10	Batch ID: 62158	SOP 3062				Analysis Date: 8/2/2010			SeqNo: 2692175		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00483	0.00020	0.005000	0	96.6	75	125	0.004850	0.413	15	

Sample ID: MB-62158	SampType: MBLK	Units: µg/L				Prep Date: 8/2/2010			RunNo: 138516		
Client ID: ZZZZZZ	Batch ID: 62158	SOP 3062				Analysis Date: 8/2/2010			SeqNo: 2691947		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCS-62158	SampType: LCS	Units: µg/L			Prep Date: 8/2/2010	RunNo: 138516					
Client ID: ZZZZZZ	Batch ID: 62158	SOP 3062			Analysis Date: 8/2/2010	SeqNo: 2691948					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.22	0.20	5.000	0	104.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCS-T100730-1		SampType: LCS		Units: µg/L		Prep Date: 7/30/2010		RunNo: 138517			
Client ID: ZZZZZZ		Batch ID: 62163		SW5030		Analysis Date: 7/30/2010		SeqNo: 2691976			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.1	2.0	50.00	0	100.1	82.7	117				
Ethylbenzene	46.4	5.0	50.00	0	92.8	83	113				
Toluene	47.4	5.0	50.00	0	94.9	79.6	116				
Xylenes, Total	147	5.0	150.0	0	98.0	80.3	120				
Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.5	74.7	129				
Surr: 4-Bromofluorobenzene	48.6		50.00		97.3	86	119				
Surr: Dibromofluoromethane	49.4		50.00		98.9	81.7	123				
Surr: Toluene-d8	51.8		50.00		103.7	84.3	114				

Sample ID: LCSD-T100730-1		SampType: LCSD		Units: µg/L		Prep Date: 7/30/2010		RunNo: 138517			
Client ID: ZZZZZZ		Batch ID: 62163		SW5030		Analysis Date: 7/30/2010		SeqNo: 2691977			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.7	2.0	50.00	0	105.4	82.7	117	50.06	5.14	20	
Ethylbenzene	49.1	5.0	50.00	0	98.3	83	113	46.39	5.74	20	
Toluene	49.3	5.0	50.00	0	98.5	79.6	116	47.44	3.78	20	
Xylenes, Total	153	5.0	150.0	0	102.1	80.3	120	147.0	4.15	20	
Surr: 1,2-Dichloroethane-d4	53.7		50.00		107.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.0		50.00		96.1	86	119		0	0	
Surr: Dibromofluoromethane	49.8		50.00		99.5	81.7	123		0	0	
Surr: Toluene-d8	52.2		50.00		104.5	84.3	114		0	0	

Sample ID: MBLK-T100730-1		SampType: MBLK		Units: µg/L		Prep Date: 7/30/2010		RunNo: 138517			
Client ID: ZZZZZZ		Batch ID: 62163		SW5030		Analysis Date: 7/30/2010		SeqNo: 2691978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: MBLK-T100730-1		SampType: MBLK		Units: µg/L		Prep Date: 7/30/2010			RunNo: 138517		
Client ID: ZZZZZZ		Batch ID: 62163		SW5030		Analysis Date: 7/30/2010			SeqNo: 2691978		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.6		50.00		99.1	86	119				
Surr: Dibromofluoromethane	49.4		50.00		98.9	81.7	123				
Surr: Toluene-d8	50.5		50.00		101.0	84.3	114				

Sample ID: 10071224-001EMS		SampType: MS		Units: µg/L		Prep Date: 7/30/2010			RunNo: 138517		
Client ID: 4091-treated-7/29/10		Batch ID: 62163		SW5030		Analysis Date: 7/30/2010			SeqNo: 2691987		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	81.6	2.0	60.00	21.14	100.8	57.8	125				
Toluene	66.6	5.0	60.00	3.960	104.4	75.8	123				
Ethylbenzene	65.9	5.0	60.00	0	109.8	72.8	123				
Xylenes, Total	140	5.0	120.0	2.650	114.5	73	127				
Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.7		50.00		99.4	86	119				
Surr: Dibromofluoromethane	50.8		50.00		101.6	81.7	123				
Surr: Toluene-d8	51.0		50.00		102.1	84.3	114				

Sample ID: 10071224-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 7/30/2010			RunNo: 138517		
Client ID: 4091-treated-7/29/10		Batch ID: 62163		SW5030		Analysis Date: 7/30/2010			SeqNo: 2691988		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	80.6	2.0	60.00	21.14	99.1	57.8	125	81.62	1.23	20	
Toluene	65.6	5.0	60.00	3.960	102.7	75.8	123	66.59	1.50	20	
Ethylbenzene	64.9	5.0	60.00	0	108.2	72.8	123	65.91	1.54	20	
Xylenes, Total	138	5.0	120.0	2.650	112.8	73	127	140.1	1.47	20	
Surr: 1,2-Dichloroethane-d4	52.3		50.00		104.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.6		50.00		101.3	86	119		0	0	
Surr: Dibromofluoromethane	50.0		50.00		100	81.7	123		0	0	
Surr: Toluene-d8	51.1		50.00		102.2	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: MB-62116		SampType: MBLK		Units: mg/L		Prep Date: 7/30/2010			RunNo: 138522		
Client ID: ZZZZZZ		Batch ID: 62116		SW3510C		Analysis Date: 8/2/2010			SeqNo: 2692103		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00479		0.005000		95.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00527		0.01000		52.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00441		0.005000		88.2	39.9	106				
Surr: Phenol-d5	0.00334		0.01000		33.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00569		0.005000		113.8	53	116				

Sample ID: LCS-62116		SampType: LCS			Units: mg/L		Prep Date: 7/30/2010			RunNo: 138522		
Client ID: ZZZZZZ		Batch ID: 62116			SW3510C		Analysis Date: 8/2/2010			SeqNo: 2692104		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00335	0.00010	0.005000	0	67.0	50.1	103				
Acenaphthylene	0.00345	0.00010	0.005000	0	69.0	53.3	122				
Anthracene	0.00333	0.00010	0.005000	0	66.6	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCS-62116		SampType: LCS		Units: mg/L		Prep Date: 7/30/2010		RunNo: 138522			
Client ID: ZZZZZZ		Batch ID: 62116		SW3510C		Analysis Date: 8/2/2010		SeqNo: 2692104			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00332	0.00010	0.005000	0	66.4	56	102				
Benzo(a)pyrene	0.00363	0.00010	0.005000	0	72.6	55.4	125				
Benzo(b)fluoranthene	0.00373	0.00010	0.005000	0	74.6	59.3	127				
Benzo(g,h,i)perylene	0.00393	0.00010	0.005000	0	78.6	58.4	125				
Benzo(k)fluoranthene	0.00362	0.00010	0.005000	0	72.4	61.5	125				
Chrysene	0.00363	0.00010	0.005000	0	72.6	58.7	118				
Dibenzo(a,h)anthracene	0.00403	0.00010	0.005000	0	80.6	59.3	126				
Fluoranthene	0.00374	0.00010	0.005000	0	74.8	60.1	117				
Fluorene	0.00365	0.00010	0.005000	0	73.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00394	0.00010	0.005000	0	78.8	58.1	123				
Naphthalene	0.00325	0.00010	0.005000	0	65.0	36.3	97.1				
Phenanthrene	0.00332	0.00010	0.005000	0	66.4	55.9	107				
Pyrene	0.00372	0.00010	0.005000	0	74.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00411		0.005000		82.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00398		0.01000		39.8	16.1	79.2				
Surr: Nitrobenzene-d5	0.00363		0.005000		72.6	39.9	106				
Surr: Phenol-d5	0.00269		0.01000		26.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00447		0.005000		89.4	53	116				

Sample ID: LCSD-62116		SampType: LCSD		Units: mg/L		Prep Date: 7/30/2010		RunNo: 138522			
Client ID: ZZZZZZ		Batch ID: 62116		SW3510C		Analysis Date: 8/2/2010		SeqNo: 2692105			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00324	0.00010	0.005000	0	64.8	50.1	103	0.003350	3.34	50	
Acenaphthylene	0.00328	0.00010	0.005000	0	65.6	53.3	122	0.003450	5.05	50	
Anthracene	0.00312	0.00010	0.005000	0	62.4	57.4	110	0.003330	6.51	50	
Benzo(a)anthracene	0.00328	0.00010	0.005000	0	65.6	56	102	0.003320	1.21	50	
Benzo(a)pyrene	0.00356	0.00010	0.005000	0	71.2	55.4	125	0.003630	1.95	50	
Benzo(b)fluoranthene	0.00373	0.00010	0.005000	0	74.6	59.3	127	0.003730	0	50	
Benzo(g,h,i)perylene	0.00398	0.00010	0.005000	0	79.6	58.4	125	0.003930	1.26	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: LCSD-62116	SampType: LCSD	Units: mg/L				Prep Date: 7/30/2010			RunNo: 138522		
Client ID: ZZZZZZ	Batch ID: 62116	SW3510C				Analysis Date: 8/2/2010			SeqNo: 2692105		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00365	0.00010	0.005000	0	73.0	61.5	125	0.003620	0.825	50	
Chrysene	0.00358	0.00010	0.005000	0	71.6	58.7	118	0.003630	1.39	50	
Dibenzo(a,h)anthracene	0.00403	0.00010	0.005000	0	80.6	59.3	126	0.004030	0	50	
Fluoranthene	0.00368	0.00010	0.005000	0	73.6	60.1	117	0.003740	1.62	50	
Fluorene	0.00351	0.00010	0.005000	0	70.2	54.1	110	0.003650	3.91	50	
Indeno(1,2,3-cd)pyrene	0.00399	0.00010	0.005000	0	79.8	58.1	123	0.003940	1.26	50	
Naphthalene	0.00324	0.00010	0.005000	0	64.8	36.3	97.1	0.003250	0.308	50	
Phenanthrene	0.00336	0.00010	0.005000	0	67.2	55.9	107	0.003320	1.20	50	
Pyrene	0.00373	0.00010	0.005000	0	74.6	61.4	116	0.003720	0.268	50	
Surr: 2-Fluorobiphenyl	0.00386		0.005000		77.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00364		0.01000		36.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00339		0.005000		67.8	39.9	106		0	50	
Surr: Phenol-d5	0.00238		0.01000		23.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00436		0.005000		87.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: MB-R138581		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2694799				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138581		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2694800				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.024	0.007	0.02500	0	94.1	90	110				
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Sample ID: MB-R138581	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 138581			
Client ID: ZZZZZZ	Batch ID: R138581				Analysis Date: 8/3/2010			SeqNo: 2693987			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138581		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2693988				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.024	0.007	0.02500	0	94.1	85	115				
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Sample ID: 10071224-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: 4091-treated-7/29/10		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2693991				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.333	0.140	0.02500	0.3076	101.1	75	125				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10071224

Report Date: 04-Aug-10

Sample ID: 10071224-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: 4091-treated-7/29/10		Batch ID: R138581					Analysis Date: 8/3/2010			SeqNo: 2693992	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.333	0.140	0.02500	0.3076	101.3	75	125	0.3328	0.0105	15	
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Sample ID: MB-R138581		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2694604				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138581		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2694605				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.024	0.007	0.02500	0	97.7	85	115				
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Sample ID: MB-R138581		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2694616				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138581		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138581		
Client ID: ZZZZZZ		Batch ID: R138581			Analysis Date: 8/3/2010			SeqNo: 2694617				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.024	0.007	0.02500	0	94.8	85	115				
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10071224

Report Date: 04-Aug-10

Carrier: Employee

Received By: EAH

Completed by:

On:

30-Jul-10

Elizabeth A. Hurley

Elizabeth A. Hurley

Reviewed by:

On:

30-Jul-10

Heather A. White

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 0.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09911

Project Name: Amena Champagne Project Mgr.: P. Szazana

Project Number: 624-0708-0120 Cost Code: J0002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)	Date	Time
4091-treated - 7/29/10	7/29/10	1325

Matrix	Analyses by Method Name and Number			
	Soil	Water	Air	Wipes
BTX 8260	X			
SUOCs 8170 SIMS	X			
BCLA Metals	X			
Total & Amenable	X			
TSS	X			
PH	X			
BODs	X			

Total Number of Containers: 7

Laboratory Temperature upon Receipt
0.80C

Comments (Field PID)
pres. ✓ TWM/244 7/30/10
headspruce - 244 7/30/10

Lab ID #'s
10071224-001

1 DAY

Samples Iced:

Preservatives (ONLY for Water Samples)

☒ Volatile Organics	☐ Hydrochloric acid (HCl)
☐ VOC Soil (5035)	☐ Sodium Bisulfate/Methanol
☐ TPH	☐ Hydrochloric acid and/or Sulfuric acid
☒ Metals	☐ Nitric acid (HNO ₃)
☒ Cyanide	☐ Sodium hydroxide (NaOH)
☐ Other (Specify)	<u>YES. OK TWM 7-30-10</u>

☒ Yes ☐ No

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. Szazana and L. Horvath
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No. _____

Relinquished by:

Signature: [Signature] Date: 7/30 Time: 1:40

Received by:

Signature: [Signature] Date: 7/30/10 Time: 1340

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

August 09, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10080103

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/3/2010 1:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080103

Report Date: 09-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10080103-001	4077-treated-8/3/10	5	8/3/2010 8:40:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10080103

Report Date: 09-Aug-10

Cooler Receipt Temp: 6.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080103

Lab ID: 10080103-001

Report Date: 09-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4077-treated-8/3/10

Collection Date: 8/3/2010 8:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		10.8		1	8/3/2010 2:47:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	6	mg/L	1	8/4/2010 4:00:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		35	mg/L	1	8/4/2010 4:30:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250	J	0.015	mg/L	1	8/4/2010 1:03:31 PM	LAL
Barium	NELAP	0.0050		0.0085	mg/L	1	8/4/2010 1:03:31 PM	LAL
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	8/4/2010 1:03:31 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/4/2010 1:03:31 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/4/2010 1:03:31 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/4/2010 1:03:31 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	8/4/2010 9:39:20 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Anthracene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Fluorene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Pyrene	NELAP	0.00010		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	8/4/2010 1:25:00 PM	TV
Surr: 2-Fluorobiphenyl		41.1-108		77.4	%REC	1	8/4/2010 1:25:00 PM	TV
Surr: 2-Fluorophenol		16.8-65.9	S	11.6	%REC	1	8/4/2010 1:25:00 PM	TV
Surr: Nitrobenzene-d5		37.6-105		53.4	%REC	1	8/4/2010 1:25:00 PM	TV
Surr: Phenol-d5		11-42.8	S	8.1	%REC	1	8/4/2010 1:25:00 PM	TV
Surr: p-Terphenyl-d14		49-113		80.4	%REC	1	8/4/2010 1:25:00 PM	TV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080103

Lab ID: 10080103-001

Report Date: 09-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4077-treated-8/3/10

Collection Date: 8/3/2010 8:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/3/2010 3:51:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/3/2010 3:51:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	8/3/2010 3:51:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/3/2010 3:51:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		112.9	%REC	1	8/3/2010 3:51:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		99.4	%REC	1	8/3/2010 3:51:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		102.6	%REC	1	8/3/2010 3:51:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.2	%REC	1	8/3/2010 3:51:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	8/4/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		Interference	mg/L	20	8/4/2010 10:30:18 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	SR	0.187	mg/L	20	8/4/2010 10:30:18 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

RPD was outside of QC limit.

Standard Methods 18th Ed. 2540 D

RPD was outside the QC limits due to low level results.

SW-846 7470A (Total)

Hg- Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10080103-001A	4077-treated-8/3/10	8/3/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/4/2010 7:32:26 AM	8/4/2010 1:25:00 PM
10080103-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/3/2010 2:47:00 PM
				Standard Methods 18th Ed. 2540 D		8/4/2010 4:00:00 PM
				Standard Methods 18th Ed. 5210 B	8/4/2010 4:30:00 PM	8/4/2010 4:30:00 PM
10080103-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/3/2010 5:15:02 PM	8/4/2010 1:03:31 PM
				SW-846 3020A, Metals by GFAA (Total)	8/3/2010 3:06:14 PM	8/4/2010 9:39:20 AM
				SW-846 7470A (Total)	8/3/2010 2:31:09 PM	8/4/2010
10080103-001D				SW-846 9012A		8/4/2010 10:30:18 AM
				SW-846 9012A (Total)		8/4/2010 10:30:18 AM
10080103-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/3/2010 3:51:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080103

Report Date: 09-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R138656		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138656		
Client ID: ZZZZZZ		Batch ID: R138656			Analysis Date: 8/4/2010			SeqNo: 2695616				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138656		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138656		
Client ID: ZZZZZZ		Batch ID: R138656			Analysis Date: 8/4/2010			SeqNo: 2695617				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 10080103-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 138656		
Client ID: 4077-treated-8/3/10D		Batch ID: R138656					Analysis Date: 8/4/2010			SeqNo: 2695621	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	8	6						6.000	28.6	15	R
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-R138594	SampType: LCS	Units:		Prep Date:		RunNo: 138594					
Client ID: ZZZZZZ	Batch ID: R138594			Analysis Date: 8/3/2010		SeqNo: 2694279					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10080103-001BDUP	SampType: DUP	Units:		Prep Date:		RunNo: 138594					
Client ID: 4077-treated-8/3/10D	Batch ID: R138594			Analysis Date: 8/3/2010		SeqNo: 2695407					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	10.8	1.00						10.78	0.0927	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-62244	SampType: LCS	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138795			
Client ID: ZZZZZZ	Batch ID: 62244	SOP 2030			Analysis Date: 8/4/2010			SeqNo: 2699315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	181	5	198.0	0	91.4	84.6	115.4				
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Sample ID: 10080103-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138795			
Client ID: 4077-treated-8/3/10D	Batch ID: 62244	SOP 2030			Analysis Date: 8/4/2010			SeqNo: 2699318			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	36	5						35.00	2.82	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-62212	SampType: LCS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138618		
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034				Analysis Date: 8/4/2010			SeqNo: 2695277		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.221	0.0100	0.2000	0	110.4	85	115				

Sample ID: MB-62212	SampType: MBLK	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138688		
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034				Analysis Date: 8/5/2010			SeqNo: 2697012		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.0078	0.0100	0.01000	0	78.0	-100	100				J

Sample ID: LCS-62212	SampType: LCS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138688		
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034				Analysis Date: 8/5/2010			SeqNo: 2697013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.209	0.0100	0.2000	0	104.7	85	115				

Sample ID: MB-62212	SampType: MBLK	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138618		
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034				Analysis Date: 8/4/2010			SeqNo: 2695259		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
Chromium	0.0068	0.0100	0.01000	0	68.0	-100	100				J
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62212	SampType: LCS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138618		
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034				Analysis Date: 8/4/2010			SeqNo: 2695260		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-62212	SampType: LCS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138618		
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034				Analysis Date: 8/4/2010			SeqNo: 2695260		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.7	85	115				
Barium	2.05	0.0050	2.000	0	102.4	85	115				
Cadmium	0.0519	0.0020	0.05000	0	103.8	85	115				
Selenium	2.08	0.0500	2.000	0	104.0	85	115				
Silver	0.0521	0.0100	0.05000	0	104.2	85	115				

Sample ID: 10080103-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138618		
Client ID: 4077-treated-8/3/10	Batch ID: 62212	SOP 3034				Analysis Date: 8/4/2010			SeqNo: 2695262		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.0250	2.000	0.01500	99.6	75	125				
Barium	1.89	0.0050	2.000	0.008500	94.0	75	125				
Cadmium	0.0488	0.0020	0.05000	0.0004000	96.8	75	125				
Chromium	0.234	0.0100	0.2000	0	116.9	75	125				
Selenium	2.01	0.0500	2.000	0	100.5	75	125				
Silver	0.0522	0.0100	0.05000	0	104.4	75	125				

Sample ID: 10080103-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138618		
Client ID: 4077-treated-8/3/10	Batch ID: 62212	SOP 3034				Analysis Date: 8/4/2010			SeqNo: 2695263		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.0250	2.000	0.01500	99.6	75	125	2.008	0.0997	20	
Barium	1.88	0.0050	2.000	0.008500	93.7	75	125	1.889	0.318	20	
Cadmium	0.0484	0.0020	0.05000	0.0004000	96.0	75	125	0.04880	0.823	20	
Chromium	0.209	0.0100	0.2000	0	104.4	75	125	0.2338	11.2	20	
Selenium	2.02	0.0500	2.000	0	100.8	75	125	2.009	0.348	20	
Silver	0.0521	0.0100	0.05000	0	104.2	75	125	0.05220	0.192	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-62212	SampType: LCS	Units: mg/L			Prep Date: 8/3/2010	RunNo: 138618					
Client ID: ZZZZZZ	Batch ID: 62212	SOP 3034			Analysis Date: 8/4/2010	SeqNo: 2695278					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.221	0.0100	0.2000	0	110.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: MB-62209		SampType: MBLK		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138627			
Client ID: ZZZZZZ		Batch ID: 62209		SOP 3044		Analysis Date: 8/4/2010		SeqNo: 2695045			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-62209		SampType: LCS			Units: mg/L		Prep Date: 8/3/2010			RunNo: 138627		
Client ID: ZZZZZZ		Batch ID: 62209			SOP 3044		Analysis Date: 8/4/2010			SeqNo: 2695046		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0174	0.0020	0.01500	0	116.2	80	120			
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Sample ID: 10080103-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138627			
Client ID: 4077-treated-8/3/10		Batch ID: 62209		SOP 3044		Analysis Date: 8/4/2010		SeqNo: 2695048			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0186	0.0020	0.01500	0.0005660	120.3	70	130			
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Sample ID: 10080103-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138627			
Client ID: 4077-treated-8/3/10		Batch ID: 62209		SOP 3044		Analysis Date: 8/4/2010		SeqNo: 2695049			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0167	0.0020	0.01500	0.0005660	107.8	70	130	0.01862	10.7	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: MB-62217	SampType: MBLK	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138633		
Client ID: ZZZZZZ	Batch ID: 62217	SOP 3062				Analysis Date: 8/4/2010			SeqNo: 2695106		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62217	SampType: LCS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138633		
Client ID: ZZZZZZ	Batch ID: 62217	SOP 3062				Analysis Date: 8/4/2010			SeqNo: 2695107		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00468	0.00020	0.005000	0	93.6	85	115				

Sample ID: MB-62217	SampType: MBLK	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138633		
Client ID: ZZZZZZ	Batch ID: 62217	SOP 3062				Analysis Date: 8/4/2010			SeqNo: 2695115		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62217	SampType: LCS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138633		
Client ID: ZZZZZZ	Batch ID: 62217	SOP 3062				Analysis Date: 8/4/2010			SeqNo: 2695116		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00468	0.00020	0.005000	0	93.6	85	115				

Sample ID: 10080103-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/3/2010			RunNo: 138633		
Client ID: 4077-treated-8/3/10	Batch ID: 62217	SOP 3062				Analysis Date: 8/4/2010			SeqNo: 2695445		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00039	0.00020	0.005000	0	7.8	75	125				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: 10080103-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138633			
Client ID: 4077-treated-8/3/10		Batch ID: 62217		SOP 3062		Analysis Date: 8/4/2010		SeqNo: 2695446			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00041	0.00020	0.005000	0	8.2	75	125	0.0003900	5.00	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: 10080103-001EMS		SampType: MS		Units: µg/L		Prep Date: 8/3/2010		RunNo: 138626			
Client ID: 4077-treated-8/3/10		Batch ID: 62227		SW5030		Analysis Date: 8/3/2010		SeqNo: 2694980			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.3	2.0	48.00	0	102.7	57.8	125				
Toluene	53.5	5.0	48.00	0	111.5	75.8	123				
Ethylbenzene	58.9	5.0	48.00	0	122.7	72.8	123				
Xylenes, Total	118	5.0	96.00	0	122.4	73	127				
Surr: 1,2-Dichloroethane-d4	55.8		50.00		111.6	74.7	129				
Surr: 4-Bromofluorobenzene	48.0		50.00		96.1	86	119				
Surr: Dibromofluoromethane	49.1		50.00		98.3	81.7	123				
Surr: Toluene-d8	48.3		50.00		96.7	84.3	114				

Sample ID: 10080103-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/3/2010		RunNo: 138626			
Client ID: 4077-treated-8/3/10		Batch ID: 62227		SW5030		Analysis Date: 8/3/2010		SeqNo: 2694981			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.8	2.0	48.00	0	101.7	57.8	125	49.29	0.999	20	
Toluene	52.8	5.0	48.00	0	110.0	75.8	123	53.51	1.30	20	
Ethylbenzene	57.6	5.0	48.00	0	120.0	72.8	123	58.88	2.20	20	
Xylenes, Total	117	5.0	96.00	0	121.9	73	127	117.5	0.435	20	
Surr: 1,2-Dichloroethane-d4	55.8		50.00		111.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.5		50.00		96.9	86	119		0	0	
Surr: Dibromofluoromethane	49.7		50.00		99.5	81.7	123		0	0	
Surr: Toluene-d8	49.1		50.00		98.2	84.3	114		0	0	

Sample ID: LCS-N100803-1		SampType: LCS		Units: µg/L		Prep Date: 8/3/2010		RunNo: 138626			
Client ID: ZZZZZZ		Batch ID: 62227		SW5030		Analysis Date: 8/3/2010		SeqNo: 2694970			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.6	2.0	50.00	0	95.2	82.7	117				
Ethylbenzene	48.6	2.0	50.00	0	97.3	83	113				
Toluene	48.2	2.0	50.00	0	96.4	79.6	116				
Xylenes, Total	148	5.0	150.0	0	98.6	80.3	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-N100803-1	SampType: LCS	Units: µg/L			Prep Date: 8/3/2010			RunNo: 138626			
Client ID: ZZZZZZ	Batch ID: 62227	SW5030			Analysis Date: 8/3/2010			SeqNo: 2694970			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	56.2		50.00		112.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119				
Surr: Dibromofluoromethane	52.5		50.00		105.1	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: LCSD-N100803-1	SampType: LCSD	Units: µg/L			Prep Date: 8/3/2010			RunNo: 138626			
Client ID: ZZZZZZ	Batch ID: 62227	SW5030			Analysis Date: 8/3/2010			SeqNo: 2694971			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	50.6	2.0	50.00	0	101.3	82.7	117	47.61	6.17	20	
Ethylbenzene	51.8	2.0	50.00	0	103.6	83	113	48.64	6.29	20	
Toluene	50.1	2.0	50.00	0	100.2	79.6	116	48.20	3.85	20	
Xylenes, Total	154	5.0	150.0	0	102.8	80.3	120	147.9	4.18	20	
Surr: 1,2-Dichloroethane-d4	57.0		50.00		114.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.8		50.00		99.5	86	119		0	0	
Surr: Dibromofluoromethane	52.2		50.00		104.5	81.7	123		0	0	
Surr: Toluene-d8	50.0		50.00		99.9	84.3	114		0	0	

Sample ID: LCSG-N100803-1	SampType: LCSG	Units: %REC			Prep Date: 8/3/2010			RunNo: 138626			
Client ID: ZZZZZZ	Batch ID: 62227	SW5030			Analysis Date: 8/3/2010			SeqNo: 2694973			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	55.4		50.00		110.7	74.7	129				
Surr: 4-Bromofluorobenzene	48.9		50.00		97.9	86	119				
Surr: Dibromofluoromethane	50.5		50.00		100.9	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.1	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCSGD-N100803-1	SampType: LCSGD	Units: %REC			Prep Date: 8/3/2010			RunNo: 138626			
Client ID: ZZZZZZ	Batch ID: 62227	SW5030			Analysis Date: 8/3/2010			SeqNo: 2694974			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	56.1		50.00		112.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.1		50.00		100.1	86	119		0	0	
Surr: Dibromofluoromethane	51.3		50.00		102.5	81.7	123		0	0	
Surr: Toluene-d8	47.1		50.00		94.2	84.3	114		0	0	

Sample ID: MBLK-N100803-1	SampType: MBLK	Units: µg/L			Prep Date: 8/3/2010			RunNo: 138626			
Client ID: ZZZZZZ	Batch ID: 62227	SW5030			Analysis Date: 8/3/2010			SeqNo: 2694976			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	2.0									
Toluene	ND	2.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55.5		50.00		111.0	74.7	129				
Surr: 4-Bromofluorobenzene	48.9		50.00		97.8	86	119				
Surr: Dibromofluoromethane	51.2		50.00		102.4	81.7	123				
Surr: Toluene-d8	48.3		50.00		96.7	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: MB-62203		SampType: MBLK		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138746			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/6/2010		SeqNo: 2698663			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00386		0.005000		77.1	41.9	97.9				
Surr: Nitrobenzene-d5	0.00469		0.005000		93.9	39.9	106				
Surr: p-Terphenyl-d14	0.00487		0.005000		97.4	53	116				

Sample ID: LCS-62203		SampType: LCS		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138746			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/6/2010		SeqNo: 2698664			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00381	0.00010	0.005000	0	76.2	50.1	103				
Anthracene	0.00393	0.00010	0.005000	0	78.5	57.4	110				
Fluoranthene	0.00420	0.00010	0.005000	0	84.0	60.1	117				
Fluorene	0.00380	0.00010	0.005000	0	76.0	54.1	110				
Naphthalene	0.00369	0.00010	0.005000	0	73.9	36.3	97.1				
Phenanthrene	0.00426	0.00010	0.005000	0	85.3	55.9	107				
Pyrene	0.00411	0.00010	0.005000	0	82.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00367		0.005000		73.3	41.9	97.9				
Surr: Nitrobenzene-d5	0.00381		0.005000		76.2	39.9	106				
Surr: p-Terphenyl-d14	0.00430		0.005000		86.0	53	116				

Sample ID: LCSD-62203		SampType: LCSD		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138746			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/6/2010		SeqNo: 2698665			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCSD-62203		SampType: LCSD		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138746			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/6/2010		SeqNo: 2698665			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00343	0.00010	0.005000	0	68.5	50.1	103	0.003812	10.6	40	
Anthracene	0.00391	0.00010	0.005000	0	78.2	57.4	110	0.003927	0.383	40	
Fluoranthene	0.00423	0.00010	0.005000	0	84.5	60.1	117	0.004200	0.593	40	
Fluorene	0.00340	0.00010	0.005000	0	68.0	54.1	110	0.003800	11.1	40	
Naphthalene	0.00351	0.00010	0.005000	0	70.3	36.3	97.1	0.003693	5.00	40	
Phenanthrene	0.00407	0.00010	0.005000	0	81.3	55.9	107	0.004264	4.75	40	
Pyrene	0.00406	0.00010	0.005000	0	81.2	61.4	116	0.004110	1.20	40	
Surr: 2-Fluorobiphenyl	0.00346		0.005000		69.2	41.9	97.9		0	40	
Surr: Nitrobenzene-d5	0.00357		0.005000		71.4	39.9	106		0	40	
Surr: p-Terphenyl-d14	0.00420		0.005000		84.1	53	116		0	40	

Sample ID: LCS-62203		SampType: LCS		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138563			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/3/2010		SeqNo: 2694312			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00333	0.00010	0.005000	0	66.6	50.1	103				
Acenaphthylene	0.00342	0.00010	0.005000	0	68.4	53.3	122				
Anthracene	0.00349	0.00010	0.005000	0	69.8	57.4	110				
Benzo(a)anthracene	0.00326	0.00010	0.005000	0	65.2	56	102				
Benzo(a)pyrene	0.00370	0.00010	0.005000	0	74.0	55.4	125				
Benzo(b)fluoranthene	0.00378	0.00010	0.005000	0	75.6	59.3	127				
Benzo(g,h,i)perylene	0.00366	0.00010	0.005000	0	73.2	58.4	125				
Benzo(k)fluoranthene	0.00361	0.00010	0.005000	0	72.2	61.5	125				
Chrysene	0.00349	0.00010	0.005000	0	69.8	58.7	118				
Dibenzo(a,h)anthracene	0.00384	0.00010	0.005000	0	76.8	59.3	126				
Fluoranthene	0.00386	0.00010	0.005000	0	77.2	60.1	117				
Fluorene	0.00346	0.00010	0.005000	0	69.2	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00378	0.00010	0.005000	0	75.6	58.1	123				
Naphthalene	0.00314	0.00010	0.005000	0	62.8	36.3	97.1				
Phenanthrene	0.00341	0.00010	0.005000	0	68.2	55.9	107				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCS-62203		SampType: LCS		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138563			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/3/2010		SeqNo: 2694312			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	0.00393	0.00010	0.005000	0	78.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00422		0.005000		84.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00368		0.01000		36.8	16.1	79.2				
Surr: Nitrobenzene-d5	0.00305		0.005000		61.0	39.9	106				
Surr: Phenol-d5	0.00232		0.01000		23.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00472		0.005000		94.4	53	116				

Sample ID: LCSD-62203		SampType: LCSD		Units: mg/L		Prep Date: 8/3/2010		RunNo: 138563			
Client ID: ZZZZZZ		Batch ID: 62203		SW3510C		Analysis Date: 8/3/2010		SeqNo: 2694518			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00308	0.00010	0.005000	0	61.6	50.1	103	0.003330	7.80	50	
Acenaphthylene	0.00312	0.00010	0.005000	0	62.4	53.3	122	0.003420	9.17	50	
Anthracene	0.00321	0.00010	0.005000	0	64.2	57.4	110	0.003490	8.36	50	
Benzo(a)anthracene	0.00300	0.00010	0.005000	0	60.0	56	102	0.003260	8.31	50	
Benzo(a)pyrene	0.00326	0.00010	0.005000	0	65.2	55.4	125	0.003700	12.6	50	
Benzo(b)fluoranthene	0.00338	0.00010	0.005000	0	67.6	59.3	127	0.003780	11.2	50	
Benzo(g,h,i)perylene	0.00321	0.00010	0.005000	0	64.2	58.4	125	0.003660	13.1	50	
Benzo(k)fluoranthene	0.00323	0.00010	0.005000	0	64.6	61.5	125	0.003610	11.1	50	
Chrysene	0.00325	0.00010	0.005000	0	65.0	58.7	118	0.003490	7.12	50	
Dibenzo(a,h)anthracene	0.00338	0.00010	0.005000	0	67.6	59.3	126	0.003840	12.7	50	
Fluoranthene	0.00356	0.00010	0.005000	0	71.2	60.1	117	0.003860	8.09	50	
Fluorene	0.00330	0.00010	0.005000	0	66.0	54.1	110	0.003460	4.73	50	
Indeno(1,2,3-cd)pyrene	0.00336	0.00010	0.005000	0	67.2	58.1	123	0.003780	11.8	50	
Naphthalene	0.00297	0.00010	0.005000	0	59.4	36.3	97.1	0.003140	5.56	50	
Phenanthrene	0.00322	0.00010	0.005000	0	64.4	55.9	107	0.003410	5.73	50	
Pyrene	0.00362	0.00010	0.005000	0	72.4	61.4	116	0.003930	8.21	50	
Surr: 2-Fluorobiphenyl	0.00390		0.005000		78.0	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00342		0.01000		34.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00282		0.005000		56.4	39.9	106		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: LCSD-62203	SampType: LCSD	Units: mg/L			Prep Date: 8/3/2010			RunNo: 138563			
Client ID: ZZZZZZ	Batch ID: 62203	SW3510C			Analysis Date: 8/3/2010			SeqNo: 2694518			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d5	0.00215		0.01000		21.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00442		0.005000		88.4	53	116		0	50	

Sample ID: MB-62203	SampType: MBLK	Units: mg/L			Prep Date: 8/3/2010			RunNo: 138635			
Client ID: ZZZZZZ	Batch ID: 62203	SW3510C			Analysis Date: 8/4/2010			SeqNo: 2695132			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00384		0.005000		76.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00345		0.01000		34.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.00282		0.005000		56.4	39.9	106				
Surr: Phenol-d5	0.00211		0.01000		21.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00422		0.005000		84.4	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10080103

Report Date: 09-Aug-10

Sample ID: MB-R138628	SampType: MBLK	Units: mg/L			Prep Date:				RunNo: 138628		
Client ID: ZZZZZZ	Batch ID: R138628				Analysis Date: 8/4/2010				SeqNo: 2695058		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R138628	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 138628		
Client ID: ZZZZZZ	Batch ID: R138628					Analysis Date: 8/4/2010				SeqNo: 2695059		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.024	0.007	0.02500	0	96.0	85	115					

Sample ID: 10080103-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 138628		
Client ID: 4077-treated-8/3/10		Batch ID: R138628						Analysis Date: 8/4/2010			SeqNo: 2695062	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.216	0.140	0.02500	0.1865	118.9	75	125					

Sample ID: 10080103-001DMSD	SampType: MSD	Units: mg/L				Prep Date:			RunNo: 138628		
Client ID: 4077-treated-8/3/10	Batch ID: R138628					Analysis Date: 8/4/2010			SeqNo: 2695063		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.154	0.140	0.02500	0.1865	-129.3	75	125	0.2163	33.5	15	SR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080103

Report Date: 09-Aug-10

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

03-Aug-10

Dawn Brantley

Reviewed by:

On:

03-Aug-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 6.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09912

Project Name: Ameren Champaign Project Mgr.: P. Szalma

Project Number: 644-0908-0110 Cost Code: 5002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth): 4077 - tread - 8/3/10 Date: 8/3/10 Time: 0840

Matrix: Soil Water Air Wipes Other *

Total Number of Containers: 72

Analyses by Method Name and Number

BTEX 8260 VOC 8270 SIMS PCOA Metals Total & Aqueable TSS PH BOD5

Comments (Field PID)

Lab ID #'s

1008003-001

Laboratory Temperature upon Receipt

6.2

Pres ✓ TM 8/3/10

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics ☐ Hydrochloric acid (HCl)

☐ VOC Soil (5035) ☐ Sodium Bisulfate/Methanol

☐ TPH ☐ Hydrochloric acid and/or Sulfuric acid (HNO₃)

☒ Metals ☐ Nitric acid (NaOH)

☒ Cyanide ☐ Sodium hydroxide

☐ Other (Specify) _____

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: P. Szalma and L. Hovier

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

August 09, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10080174

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/4/2010 2:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080174

Report Date: 09-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10080174-001	2169-treated-8/4/10	5	8/4/2010 8:45:00 AM

ENVIRONMENTAL TESTING LABORATORY

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CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10080174

Report Date: 09-Aug-10

Cooler Receipt Temp: 1.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080174

Lab ID: 10080174-001

Report Date: 09-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-8/4/10

Collection Date: 8/4/2010 8:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.80		1	8/4/2010 3:58:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		16	mg/L	1	8/4/2010 4:00:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		38	mg/L	1	8/4/2010 5:30:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/5/2010 8:24:53 AM	LAL
Barium	NELAP	0.0050		0.160	mg/L	1	8/5/2010 8:24:53 AM	LAL
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	8/5/2010 8:24:53 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/5/2010 8:24:53 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/5/2010 8:24:53 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/5/2010 8:24:53 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	8/5/2010 10:03:30 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	8/5/2010 1:11:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		66.1	%REC	1	8/5/2010 1:11:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		28.1	%REC	1	8/5/2010 1:11:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		62.0	%REC	1	8/5/2010 1:11:00 PM	MAV
Surr: Phenol-d5		11-42.8		19.1	%REC	1	8/5/2010 1:11:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		55.0	%REC	1	8/5/2010 1:11:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080174

Lab ID: 10080174-001

Report Date: 09-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-8/4/10

Collection Date: 8/4/2010 8:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/4/2010 4:41:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/4/2010 4:41:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	8/4/2010 4:41:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/4/2010 4:41:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		106.2	%REC	1	8/4/2010 4:41:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		98.4	%REC	1	8/4/2010 4:41:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		104.5	%REC	1	8/4/2010 4:41:00 PM	CCF
Surr: Toluene-d8		84.3-114		99.6	%REC	1	8/4/2010 4:41:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	8/5/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.100		< 0.100	mg/L	20	8/5/2010 9:34:18 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.100		0.106	mg/L	20	8/5/2010 9:34:18 AM	RCE

Sample Narrative

SW-846 7470A (Total)

Hg- Matrix interference present in sample.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Acenaphthylene was outside of recovery limits in the LCS. Marginal Exceedance, LCS is verified per NELAC Appendix D 1.1.2

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10080174-001A	2169-treated-8/4/10	8/4/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/4/2010 11:10:43 PM	8/5/2010 1:11:00 PM
10080174-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/4/2010 3:58:00 PM
				Standard Methods 18th Ed. 2540 D		8/4/2010 4:00:00 PM
				Standard Methods 18th Ed. 5210 B	8/4/2010 5:30:00 PM	8/4/2010 5:30:00 PM
10080174-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/4/2010 3:40:14 PM	8/5/2010 8:24:53 AM
				SW-846 3020A, Metals by GFAA (Total)	8/4/2010 3:38:17 PM	8/5/2010 10:03:30 AM
				SW-846 7470A (Total)	8/5/2010 8:33:43 AM	8/5/2010
10080174-001D				SW-846 9012A		8/5/2010 9:34:18 AM
				SW-846 9012A (Total)		8/5/2010 9:34:18 AM
10080174-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/4/2010 4:41:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-R138656		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138656		
Client ID: ZZZZZZ		Batch ID: R138656			Analysis Date: 8/4/2010			SeqNo: 2695616				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138656		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138656		
Client ID: ZZZZZZ		Batch ID: R138656			Analysis Date: 8/4/2010			SeqNo: 2695617				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 10080174-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 138656		
Client ID: 2169-treated-8/4/10D		Batch ID: R138656		Analysis Date: 8/4/2010			SeqNo: 2695619				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	18	6						16.00	11.8	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: LCS-R138644		SampType: LCS			Units:		Prep Date:			RunNo: 138644		
Client ID: ZZZZZZ		Batch ID: R138644			Analysis Date: 8/4/2010			SeqNo: 2695485				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.97	1.00	7.000	0	99.6	99.1	100.9				
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Sample ID: 10080174-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 138644		
Client ID: 2169-treated-8/4/10D		Batch ID: R138644		Analysis Date: 8/4/2010						SeqNo: 2696731	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.83	1.00						8.800	0.340	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: LCS-62244	SampType: LCS	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138795			
Client ID: ZZZZZZ	Batch ID: 62244	SOP 2030			Analysis Date: 8/4/2010			SeqNo: 2699315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	181	5	198.0	0	91.4	84.6	115.4				
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Sample ID: 10080174-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138795			
Client ID: 2169-treated-8/4/10D	Batch ID: 62244	SOP 2030			Analysis Date: 8/4/2010			SeqNo: 2699336			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	37	5						38.00	2.67	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-62235	SampType: MBLK	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138660			
Client ID: ZZZZZZ	Batch ID: 62235	SOP 3034			Analysis Date: 8/5/2010			SeqNo: 2696158			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0004	0.0020	0.002000	0	20.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62235	SampType: LCS	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138660			
Client ID: ZZZZZZ	Batch ID: 62235	SOP 3034			Analysis Date: 8/5/2010			SeqNo: 2696161			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.94	0.0250	2.000	0	97.2	85	115				
Barium	1.90	0.0050	2.000	0	95.2	85	115				
Cadmium	0.0513	0.0020	0.05000	0	102.6	85	115				
Chromium	0.198	0.0100	0.2000	0	99.2	85	115				
Selenium	1.84	0.0500	2.000	0	91.8	85	115				
Silver	0.0515	0.0100	0.05000	0	103.0	85	115				

Sample ID: MB-62235	SampType: MBLK	Units: mg/L				Prep Date: 8/4/2010			RunNo: 138688		
Client ID: ZZZZZZ	Batch ID: 62235	SOP 3034				Analysis Date: 8/5/2010			SeqNo: 2697020		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.0065	0.0100	0.01000	0	65.0	-100	100				J

Sample ID: LCS-62235	SampType: LCS	Units: mg/L				Prep Date: 8/4/2010				RunNo: 138688		
Client ID: ZZZZZZ	Batch ID: 62235	SOP 3034				Analysis Date: 8/5/2010				SeqNo: 2697024		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.214	0.0100	0.2000	0	106.8	85	115					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-62235		SampType: MBLK		Units: mg/L		Prep Date: 8/4/2010		RunNo: 138660			
Client ID: ZZZZZZ		Batch ID: 62235		SOP 3034		Analysis Date: 8/5/2010		SeqNo: 2696159			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0004	0.0020	0.002000	0	20.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62235	SampType: LCS	Units: mg/L			Prep Date: 8/4/2010			RunNo: 138660			
Client ID: ZZZZZZ	Batch ID: 62235	SOP 3034			Analysis Date: 8/5/2010			SeqNo: 2696162			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.94	0.0250	2.000	0	97.2	85	115				
Barium	1.90	0.0050	2.000	0	95.2	85	115				
Cadmium	0.0513	0.0020	0.05000	0	102.6	85	115				
Chromium	0.198	0.0100	0.2000	0	99.2	85	115				
Selenium	1.84	0.0500	2.000	0	91.8	85	115				
Silver	0.0515	0.0100	0.05000	0	103.0	85	115				

Sample ID: 10080174-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/4/2010			RunNo: 138660		
Client ID: 2169-treated-8/4/10	Batch ID: 62235	SOP 3034				Analysis Date: 8/5/2010			SeqNo: 2696165		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.87	0.0250	2.000	0	93.3	75	125				
Barium	1.83	0.0050	2.000	0.1604	83.6	75	125				
Cadmium	0.0457	0.0020	0.05000	0.0004000	90.6	75	125				
Chromium	0.184	0.0100	0.2000	0	92.0	75	125				
Selenium	1.75	0.0500	2.000	0	87.5	75	125				
Silver	0.0461	0.0100	0.05000	0	92.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: 10080174-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/4/2010		RunNo: 138660			
Client ID: 2169-treated-8/4/10		Batch ID: 62235		SOP 3034		Analysis Date: 8/5/2010		SeqNo: 2696166			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.93	0.0250	2.000	0	96.3	75	125	1.866	3.16	20	
Barium	1.87	0.0050	2.000	0.1604	85.5	75	125	1.832	2.05	20	
Cadmium	0.0457	0.0020	0.05000	0.0004000	90.6	75	125	0.04570	0	20	
Chromium	0.183	0.0100	0.2000	0	91.7	75	125	0.1839	0.327	20	
Selenium	1.82	0.0500	2.000	0	91.0	75	125	1.750	3.98	20	
Silver	0.0453	0.0100	0.05000	0	90.6	75	125	0.04610	1.75	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-62234		SampType: MBLK		Units: mg/L		Prep Date: 8/4/2010			RunNo: 138683			
Client ID: ZZZZZZ		Batch ID: 62234		SOP 3044		Analysis Date: 8/5/2010			SeqNo: 2696349			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: LCS-62234		SampType: LCS		Units: mg/L		Prep Date: 8/4/2010			RunNo: 138683			
Client ID: ZZZZZZ		Batch ID: 62234		SOP 3044		Analysis Date: 8/5/2010			SeqNo: 2696350			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0142	0.0020	0.01500	0	95.0	80	120				

Sample ID: 10080174-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/4/2010			RunNo: 138683			
Client ID: 2169-treated-8/4/10		Batch ID: 62234		SOP 3044		Analysis Date: 8/5/2010			SeqNo: 2696352			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0129	0.0020	0.01500	0	85.8	70	130				

Sample ID: 10080174-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/4/2010			RunNo: 138683			
Client ID: 2169-treated-8/4/10		Batch ID: 62234		SOP 3044		Analysis Date: 8/5/2010			SeqNo: 2696353			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0131	0.0020	0.01500	0	87.5	70	130	0.01286	1.97	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-62255	SampType: MBLK	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138702		
Client ID: ZZZZZZ	Batch ID: 62255	SOP 3062				Analysis Date: 8/5/2010			SeqNo: 2696812		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62255	SampType: LCS	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138702		
Client ID: ZZZZZZ	Batch ID: 62255	SOP 3062				Analysis Date: 8/5/2010			SeqNo: 2696813		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00466	0.00020	0.005000	0	93.2	85	115				

Sample ID: MB-62255	SampType: MBLK	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138702		
Client ID: ZZZZZZ	Batch ID: 62255	SOP 3062				Analysis Date: 8/5/2010			SeqNo: 2696814		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62255	SampType: LCS	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138702		
Client ID: ZZZZZZ	Batch ID: 62255	SOP 3062				Analysis Date: 8/5/2010			SeqNo: 2696815		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00466	0.00020	0.005000	0	93.2	85	115				

Sample ID: 10080174-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138702		
Client ID: 2169-treated-8/4/10	Batch ID: 62255	SOP 3062				Analysis Date: 8/5/2010			SeqNo: 2696817		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00182	0.00020	0.005000	0	36.4	75	125				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: 10080174-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/5/2010		RunNo: 138702			
Client ID: 2169-treated-8/4/10		Batch ID: 62255		SOP 3062		Analysis Date: 8/5/2010		SeqNo: 2696818			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00183	0.00020	0.005000	0	36.6	75	125	0.001820	0.548	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: LCS-T100804-1	SampType: LCS	Units: µg/L			Prep Date: 8/4/2010			RunNo: 138679			
Client ID: ZZZZZZ	Batch ID: 62257	SW5030			Analysis Date: 8/4/2010			SeqNo: 2696295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.7	2.0	50.00	0	99.4	82.7	117				
Ethylbenzene	45.0	5.0	50.00	0	90.0	83	113				
Toluene	45.2	5.0	50.00	0	90.5	79.6	116				
Xylenes, Total	142	5.0	150.0	0	94.8	80.3	120				
Surr: 1,2-Dichloroethane-d4	53.7		50.00		107.4	74.7	129				
Surr: 4-Bromofluorobenzene	49.3		50.00		98.6	86	119				
Surr: Dibromofluoromethane	50.7		50.00		101.5	81.7	123				
Surr: Toluene-d8	50.3		50.00		100.5	84.3	114				

Sample ID: LCSD-T100804-1	SampType: LCSD	Units: µg/L			Prep Date: 8/4/2010			RunNo: 138679			
Client ID: ZZZZZZ	Batch ID: 62257	SW5030			Analysis Date: 8/4/2010			SeqNo: 2696296			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	53.1	2.0	50.00	0	106.3	82.7	117	49.72	6.63	20	
Ethylbenzene	47.6	5.0	50.00	0	95.2	83	113	45.02	5.53	20	
Toluene	47.4	5.0	50.00	0	94.8	79.6	116	45.24	4.68	20	
Xylenes, Total	150	5.0	150.0	0	99.9	80.3	120	142.2	5.26	20	
Surr: 1,2-Dichloroethane-d4	54.4		50.00		108.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.4		50.00		98.8	86	119		0	0	
Surr: Dibromofluoromethane	51.4		50.00		102.8	81.7	123		0	0	
Surr: Toluene-d8	50.0		50.00		100	84.3	114		0	0	

Sample ID: MBLK-T100804-1	SampType: MBLK	Units: µg/L			Prep Date: 8/4/2010			RunNo: 138679			
Client ID: ZZZZZZ	Batch ID: 62257	SW5030			Analysis Date: 8/4/2010			SeqNo: 2696297			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MBLK-T100804-1		SampType: MBLK		Units: µg/L		Prep Date: 8/4/2010		RunNo: 138679			
Client ID: ZZZZZZ		Batch ID: 62257		SW5030		Analysis Date: 8/4/2010		SeqNo: 2696297			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	53.1		50.00		106.3	74.7	129				
Surr: 4-Bromofluorobenzene	49.2		50.00		98.5	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.6	81.7	123				
Surr: Toluene-d8	49.4		50.00		98.8	84.3	114				

Sample ID: 10080174-001EMS		SampType: MS			Units: µg/L		Prep Date: 8/4/2010			RunNo: 138679		
Client ID: 2169-treated-8/4/10		Batch ID: 62257			SW5030		Analysis Date: 8/4/2010			SeqNo: 2696299		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	68.7	2.0	60.00	0	114.5	57.8	125				
Toluene	60.5	5.0	60.00	0	100.8	75.8	123				
Ethylbenzene	61.6	5.0	60.00	0	102.7	72.8	123				
Xylenes, Total	128	5.0	120.0	0	107.0	73	127				
Surr: 1,2-Dichloroethane-d4	53.5		50.00		107.0	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.9	86	119				
Surr: Dibromofluoromethane	51.9		50.00		103.7	81.7	123				
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114				

Sample ID: 10080174-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/4/2010		RunNo: 138679			
Client ID: 2169-treated-8/4/10		Batch ID: 62257		SW5030		Analysis Date: 8/4/2010		SeqNo: 2696300			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	68.8	2.0	60.00	0	114.7	57.8	125	68.68	0.189	20	
Toluene	60.9	5.0	60.00	0	101.5	75.8	123	60.50	0.659	20	
Ethylbenzene	61.8	5.0	60.00	0	102.9	72.8	123	61.62	0.227	20	
Xylenes, Total	130	5.0	120.0	0	108.4	73	127	128.4	1.30	20	
Surr: 1,2-Dichloroethane-d4	53.8		50.00		107.6	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.8		50.00		101.5	86	119		0	0	
Surr: Dibromofluoromethane	51.9		50.00		103.7	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		98.1	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-62239		SampType: MBLK		Units: mg/L		Prep Date: 8/4/2010		RunNo: 138675			
Client ID: ZZZZZZ		Batch ID: 62239		SW3510C		Analysis Date: 8/5/2010		SeqNo: 2696197			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00310		0.005000		61.9	41.9	97.9				
Surr: 2-Fluorophenol	0.00438		0.01000		43.8	16.1	79.2				
Surr: Nitrobenzene-d5	0.00335		0.005000		66.9	39.9	106				
Surr: Phenol-d5	0.00295		0.01000		29.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00356		0.005000		71.2	53	116				

Sample ID: LCS-62239		SampType: LCS			Units: mg/L		Prep Date: 8/4/2010			RunNo: 138675		
Client ID: ZZZZZZ		Batch ID: 62239			SW3510C		Analysis Date: 8/5/2010			SeqNo: 2696382		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00256	0.00010	0.005000	0	51.2	50.1	103				
Acenaphthylene	0.00260	0.00010	0.005000	0	52.1	53.3	122				S
Anthracene	0.00302	0.00010	0.005000	0	60.5	57.4	110				
Benzo(a)anthracene	0.00300	0.00010	0.005000	0	60.0	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: LCS-62239		SampType: LCS		Units: mg/L		Prep Date: 8/4/2010		RunNo: 138675			
Client ID: ZZZZZZ		Batch ID: 62239		SW3510C		Analysis Date: 8/5/2010		SeqNo: 2696382			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00322	0.00010	0.005000	0	64.5	55.4	125				
Benzo(b)fluoranthene	0.00328	0.00010	0.005000	0	65.7	59.3	127				
Benzo(g,h,i)perylene	0.00322	0.00010	0.005000	0	64.4	58.4	125				
Benzo(k)fluoranthene	0.00321	0.00010	0.005000	0	64.1	61.5	125				
Chrysene	0.00338	0.00010	0.005000	0	67.5	58.7	118				
Dibenzo(a,h)anthracene	0.00319	0.00010	0.005000	0	63.7	59.3	126				
Fluoranthene	0.00311	0.00010	0.005000	0	62.3	60.1	117				
Fluorene	0.00279	0.00010	0.005000	0	55.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00318	0.00010	0.005000	0	63.6	58.1	123				
Naphthalene	0.00236	0.00010	0.005000	0	47.2	36.3	97.1				
Phenanthrene	0.00304	0.00010	0.005000	0	60.7	55.9	107				
Pyrene	0.00312	0.00010	0.005000	0	62.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00256		0.005000		51.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00378		0.01000		37.8	16.1	79.2				
Surr: Nitrobenzene-d5	0.00281		0.005000		56.3	39.9	106				
Surr: Phenol-d5	0.00235		0.01000		23.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00337		0.005000		67.4	53	116				

Sample ID: LCSD-62239		SampType: LCSD		Units: mg/L		Prep Date: 8/4/2010		RunNo: 138675			
Client ID: ZZZZZZ		Batch ID: 62239		SW3510C		Analysis Date: 8/5/2010		SeqNo: 2696383			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00314	0.00010	0.005000	0	62.8	50.1	103	0.002561	20.3	50	
Acenaphthylene	0.00318	0.00010	0.005000	0	63.7	53.3	122	0.002605	20.0	50	
Anthracene	0.00335	0.00010	0.005000	0	67.1	57.4	110	0.003024	10.3	50	
Benzo(a)anthracene	0.00324	0.00010	0.005000	0	64.8	56	102	0.002998	7.82	50	
Benzo(a)pyrene	0.00353	0.00010	0.005000	0	70.5	55.4	125	0.003224	8.95	50	
Benzo(b)fluoranthene	0.00352	0.00010	0.005000	0	70.5	59.3	127	0.003283	7.11	50	
Benzo(g,h,i)perylene	0.00356	0.00010	0.005000	0	71.3	58.4	125	0.003221	10.1	50	
Benzo(k)fluoranthene	0.00350	0.00010	0.005000	0	69.9	61.5	125	0.003207	8.62	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: LCSD-62239	SampType: LCSD	Units: mg/L				Prep Date: 8/4/2010			RunNo: 138675		
Client ID: ZZZZZZ	Batch ID: 62239	SW3510C				Analysis Date: 8/5/2010			SeqNo: 2696383		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	0.00359	0.00010	0.005000	0	71.8	58.7	118	0.003376	6.12	50	
Dibenzo(a,h)anthracene	0.00352	0.00010	0.005000	0	70.3	59.3	126	0.003186	9.85	50	
Fluoranthene	0.00339	0.00010	0.005000	0	67.7	60.1	117	0.003114	8.40	50	
Fluorene	0.00331	0.00010	0.005000	0	66.3	54.1	110	0.002788	17.2	50	
Indeno(1,2,3-cd)pyrene	0.00355	0.00010	0.005000	0	71.0	58.1	123	0.003181	10.9	50	
Naphthalene	0.00292	0.00010	0.005000	0	58.3	36.3	97.1	0.002362	21.0	50	
Phenanthrene	0.00336	0.00010	0.005000	0	67.2	55.9	107	0.003036	10.1	50	
Pyrene	0.00344	0.00010	0.005000	0	68.7	61.4	116	0.003121	9.64	50	
Surr: 2-Fluorobiphenyl	0.00298		0.005000		59.7	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00448		0.01000		44.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00334		0.005000		66.8	39.9	106		0	50	
Surr: Phenol-d5	0.00279		0.01000		27.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00356		0.005000		71.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10080174

Report Date: 09-Aug-10

Sample ID: MB-R138685		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138685		
Client ID: ZZZZZZ		Batch ID: R138685			Analysis Date: 8/5/2010			SeqNo: 2696967				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R138685		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138685		
Client ID: ZZZZZZ		Batch ID: R138685			Analysis Date: 8/5/2010			SeqNo: 2696968				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.023 0.007 0.02500 0 93.4 90 110

Sample ID: MB-R138685	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 138685			
Client ID: ZZZZZZ	Batch ID: R138685				Analysis Date: 8/5/2010			SeqNo: 2696408			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide < 0.007 0.007

Sample ID: LCS-R138685		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138685		
Client ID: ZZZZZZ		Batch ID: R138685			Analysis Date: 8/5/2010			SeqNo: 2696409				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.023 0.007 0.02500 0 93.4 85 115

Sample ID: 10080174-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 138685		
Client ID: 2169-treated-8/4/10		Batch ID: R138685			Analysis Date: 8/5/2010			SeqNo: 2696412				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.133 0.100 0.02500 0.1064 106.4 75 125

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080174

Report Date: 09-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: 10080174-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 138685			
Client ID: 2169-treated-8/4/10		Batch ID: R138685				Analysis Date: 8/5/2010		SeqNo: 2696413			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.131	0.100	0.02500	0.1064	97.4	75	125	0.1330	1.70	15	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080174

Report Date: 09-Aug-10

Carrier: Sean Spinner

Received By: TWM

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

04-Aug-10

04-Aug-10

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09913

10080174

Project Name: Amenn Champaign Project Mgr.: P. Szazama

Project Number: 624-0908-0120 Cost Code: J0002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collierville

Sample Number and (depth) 2169-treated-8/4/10 Date 8/4/10 Time 0845

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Total Number of Containers

Analyses by Method Name and Number

BTEX 8260
SVOCs 8270 SW
PCRA Metals
Total + Available
CYANIDE
TSS
PH
BODs

Laboratory
Temperature upon
Receipt
1.2 JCF

4400050000
Spec. Im. P. II 8/4/10

Comments (Field PID)

Lab ID #'s
10080174-CC1

Teklab, Inc. **1 DAY**
Courier Pick Up

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃)
☒ Metals Nitric acid
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. Szazama and L. Hoover
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature _____
Date 8-4-10 Time 1055
Signature _____
Date 8/4/10 Time 1425

Received by:

Signature _____
Date 8/4/10 Time 1055
Signature _____
Date 8-4-10 Time 1425

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

August 19, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10080261

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/5/2010 5:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080261

Report Date: 19-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10080261-001	4091-treated-8/5/10	5	8/5/2010 8:40:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10080261

Report Date: 19-Aug-10

Cooler Receipt Temp: 7.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080261

Lab ID: 10080261-001

Report Date: 19-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-8/5/10

Collection Date: 8/5/2010 8:40:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.58		1	8/6/2010 3:37:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		8	mg/L	1	8/6/2010 10:00:00 AM	BSJ
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/6/2010 10:06:12 AM	LAL
Barium	NELAP	0.0050		0.0859	mg/L	1	8/6/2010 10:06:12 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	8/6/2010 10:06:12 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	8/6/2010 10:06:12 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/6/2010 10:06:12 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/6/2010 10:06:12 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	8/6/2010 10:58:32 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	8/6/2010 10:11:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		82.7	%REC	1	8/6/2010 10:11:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		39.3	%REC	1	8/6/2010 10:11:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		80.0	%REC	1	8/6/2010 10:11:00 AM	MAV
Surr: Phenol-d5		11-42.8		24.1	%REC	1	8/6/2010 10:11:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		87.6	%REC	1	8/6/2010 10:11:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/6/2010 1:11:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/6/2010 1:11:00 PM	CCF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10080261**Lab ID:** 10080261-001**Report Date:** 19-Aug-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 4091-treated-8/5/10**Collection Date:** 8/5/2010 8:40:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Toluene	NELAP	5.0		ND	µg/L	1	8/6/2010 1:11:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/6/2010 1:11:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		106.0	%REC	1	8/6/2010 1:11:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		97.9	%REC	1	8/6/2010 1:11:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		102.3	%REC	1	8/6/2010 1:11:00 PM	CCF
Surr: Toluene-d8		84.3-114		97.1	%REC	1	8/6/2010 1:11:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/6/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		< 0.140	mg/L	20	8/6/2010 9:07:29 AM	RCE
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	0.172	mg/L	20	8/6/2010 9:07:29 AM	RCE

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10080261-001A	4091-treated-8/5/10	8/5/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/6/2010 9:30:15 AM	8/6/2010 10:11:00 AM
10080261-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/6/2010 3:37:00 PM
				Standard Methods 18th Ed. 2540 D		8/6/2010 10:00:00 AM
10080261-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/5/2010 6:09:38 PM	8/6/2010 10:06:12 AM
				SW-846 3020A, Metals by GFAA (Total)	8/5/2010 6:08:54 PM	8/6/2010 10:58:32 AM
				SW-846 7470A (Total)	8/6/2010 8:14:44 AM	8/6/2010
10080261-001D				SW-846 9012A		8/6/2010 9:07:29 AM
				SW-846 9012A (Total)		8/6/2010 9:07:29 AM
10080261-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/6/2010 1:11:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080261

Report Date: 19-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R138740		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138740		
Client ID: ZZZZZZ		Batch ID: R138740					Analysis Date: 8/6/2010			SeqNo: 2697726	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R138740		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138740		
Client ID: ZZZZZZ		Batch ID: R138740			Analysis Date: 8/6/2010			SeqNo: 2697727				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138740		
Client ID: ZZZZZZ		Batch ID: R138740			Analysis Date: 8/6/2010			SeqNo: 2697749				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	102	6	100.0	0	102.0	85	115				
------------------------	-----	---	-------	---	-------	----	-----	--	--	--	--

Sample ID: 10080261-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 138740		
Client ID: 4091-treated-8/5/10D		Batch ID: R138740		Analysis Date: 8/6/2010			SeqNo: 2697755				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	9	6						8.000	11.8	15	
------------------------	---	---	--	--	--	--	--	-------	------	----	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: LCS-R138748	SampType: LCS	Units:		Prep Date:		RunNo: 138748					
Client ID: ZZZZZZ	Batch ID: R138748			Analysis Date: 8/6/2010		SeqNo: 2697988					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.02	1.00	7.000	0	100.3	99.1	100.9				
--------	------	------	-------	---	-------	------	-------	--	--	--	--

Sample ID: 10080261-001BDUP	SampType: DUP	Units:		Prep Date:		RunNo: 138748					
Client ID: 4091-treated-8/5/10D	Batch ID: R138748			Analysis Date: 8/6/2010		SeqNo: 2697990					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.61	1.00						8.580	0.349	10	
--------	------	------	--	--	--	--	--	-------	-------	----	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: MB-62274	SampType: MBLK	Units: mg/L			Prep Date: 8/5/2010			RunNo: 138728			
Client ID: ZZZZZZ	Batch ID: 62274	SOP 3034			Analysis Date: 8/6/2010			SeqNo: 2697562			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62274	SampType: LCS	Units: mg/L			Prep Date: 8/5/2010			RunNo: 138728			
Client ID: ZZZZZZ	Batch ID: 62274	SOP 3034			Analysis Date: 8/6/2010			SeqNo: 2697563			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.2	85	115				
Barium	2.01	0.0050	2.000	0	100.4	85	115				
Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
Chromium	0.210	0.0100	0.2000	0	105.0	85	115				
Selenium	2.06	0.0500	2.000	0	103.2	85	115				
Silver	0.0503	0.0100	0.05000	0	100.6	85	115				

Sample ID: 10080261-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/5/2010		RunNo: 138728			
Client ID: 4091-treated-8/5/10		Batch ID: 62274		SOP 3034		Analysis Date: 8/6/2010		SeqNo: 2697565			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.97	0.0250	2.000	0	98.6	75	125				
Barium	1.88	0.0050	2.000	0.08590	90.0	75	125				
Cadmium	0.0473	0.0020	0.05000	0	94.6	75	125				
Chromium	0.197	0.0100	0.2000	0	98.5	75	125				
Selenium	1.97	0.0500	2.000	0	98.4	75	125				
Silver	0.0485	0.0100	0.05000	0	97.0	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: 10080261-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138728		
Client ID: 4091-treated-8/5/10	Batch ID: 62274	SOP 3034				Analysis Date: 8/6/2010			SeqNo: 2697566		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.2	75	125	1.971	0.607	20	
Barium	1.91	0.0050	2.000	0.08590	91.3	75	125	1.885	1.37	20	
Cadmium	0.0487	0.0020	0.05000	0	97.4	75	125	0.04730	2.92	20	
Chromium	0.200	0.0100	0.2000	0	100	75	125	0.1970	1.56	20	
Selenium	1.97	0.0500	2.000	0	98.6	75	125	1.969	0.203	20	
Silver	0.0490	0.0100	0.05000	0	98.0	75	125	0.04850	1.03	20	

Sample ID: MB-62274	SampType: MBLK	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138784		
Client ID: ZZZZZZ	Batch ID: 62274	SOP 3034				Analysis Date: 8/9/2010			SeqNo: 2699417		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Chromium	0.0079	0.0100	0.01000	0	79.0	-100	100				J

Sample ID: LCS-62274	SampType: LCS	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138784		
Client ID: ZZZZZZ	Batch ID: 62274	SOP 3034				Analysis Date: 8/9/2010			SeqNo: 2699418		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	1.96	0.0050	2.000	0	97.8	85	115				
Chromium	0.209	0.0100	0.2000	0	104.6	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: MB-62273		SampType: MBLK		Units: mg/L		Prep Date: 8/5/2010			RunNo: 138742		
Client ID: ZZZZZZ		Batch ID: 62273		SOP 3044		Analysis Date: 8/6/2010			SeqNo: 2697802		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: 10080261-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/5/2010		RunNo: 138742			
Client ID: 4091-treated-8/5/10		Batch ID: 62273		SOP 3044		Analysis Date: 8/6/2010		SeqNo: 2697805			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0115	0.0020	0.01500	0	76.4	70	130			
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Sample ID: 10080261-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/5/2010			RunNo: 138742		
Client ID: 4091-treated-8/5/10		Batch ID: 62273		SOP 3044		Analysis Date: 8/6/2010			SeqNo: 2697806		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0117	0.0020	0.01500	0	78.3	70	130	0.01145	2.47	20
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Sample ID: LCS-62273		SampType: LCS		Units: mg/L		Prep Date: 8/5/2010			RunNo: 138742		
Client ID: ZZZZZZ		Batch ID: 62273		SOP 3044		Analysis Date: 8/6/2010			SeqNo: 2697807		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0124	0.0020	0.01500	0	82.5	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: MB-62287	SampType: MBLK	Units: mg/L				Prep Date: 8/6/2010				RunNo: 138745		
Client ID: ZZZZZZ	Batch ID: 62287	SOP 3062				Analysis Date: 8/6/2010				SeqNo: 2697964		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100					

Sample ID: LCS-62287		SampType: LCS			Units: mg/L		Prep Date: 8/6/2010			RunNo: 138745		
Client ID: ZZZZZZ		Batch ID: 62287			SOP 3062		Analysis Date: 8/6/2010			SeqNo: 2697965		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00484	0.00020	0.005000	0	96.8	85	115				

Sample ID: 10080261-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/6/2010			RunNo: 138745		
Client ID: 4091-treated-8/5/10		Batch ID: 62287		SOP 3062		Analysis Date: 8/6/2010			SeqNo: 2697969		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00417	0.00020	0.005000	0	83.4	75	125				

Sample ID: 10080261-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 8/6/2010			RunNo: 138745		
Client ID: 4091-treated-8/5/10	Batch ID: 62287	SOP 3062				Analysis Date: 8/6/2010			SeqNo: 2697970		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00409	0.00020	0.005000	0	81.8	75	125	0.004170	1.94	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: LCS-T100806-1	SampType: LCS	Units: µg/L			Prep Date: 8/6/2010			RunNo: 138747			
Client ID: ZZZZZZ	Batch ID: 62296	SW5030			Analysis Date: 8/6/2010			SeqNo: 2697982			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.8	2.0	50.00	0	103.6	82.7	117				
Ethylbenzene	44.4	5.0	50.00	0	88.8	83	113				
Toluene	45.6	5.0	50.00	0	91.1	79.6	116				
Xylenes, Total	143	5.0	150.0	0	95.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	53.5		50.00		107.0	74.7	129				
Surr: 4-Bromofluorobenzene	49.4		50.00		98.8	86	119				
Surr: Dibromofluoromethane	50.4		50.00		100.8	81.7	123				
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114				

Sample ID: LCSD-T100806-1	SampType: LCSD	Units: µg/L			Prep Date: 8/6/2010			RunNo: 138747			
Client ID: ZZZZZZ	Batch ID: 62296	SW5030			Analysis Date: 8/6/2010			SeqNo: 2697983			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	53.0	2.0	50.00	0	106.0	82.7	117	51.78	2.29	20	
Ethylbenzene	45.8	5.0	50.00	0	91.5	83	113	44.40	3.04	20	
Toluene	46.4	5.0	50.00	0	92.8	79.6	116	45.55	1.87	20	
Xylenes, Total	145	5.0	150.0	0	96.7	80.3	120	143.1	1.35	20	
Surr: 1,2-Dichloroethane-d4	53.3		50.00		106.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	48.3		50.00		96.7	86	119		0	0	
Surr: Dibromofluoromethane	51.0		50.00		102.1	81.7	123		0	0	
Surr: Toluene-d8	48.9		50.00		97.9	84.3	114		0	0	

Sample ID: MBLK-T100806-1	SampType: MBLK	Units: µg/L			Prep Date: 8/6/2010			RunNo: 138747			
Client ID: ZZZZZZ	Batch ID: 62296	SW5030			Analysis Date: 8/6/2010			SeqNo: 2697984			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: MBLK-T100806-1		SampType: MBLK		Units: µg/L		Prep Date: 8/6/2010			RunNo: 138747		
Client ID: ZZZZZZ		Batch ID: 62296		SW5030		Analysis Date: 8/6/2010			SeqNo: 2697984		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	53.5		50.00		107.0	74.7	129				
Surr: 4-Bromofluorobenzene	49.1		50.00		98.2	86	119				
Surr: Dibromofluoromethane	50.2		50.00		100.5	81.7	123				
Surr: Toluene-d8	48.7		50.00		97.3	84.3	114				

Sample ID: 10080261-001EMS	SampType: MS	Units: µg/L			Prep Date: 8/6/2010			RunNo: 138747			
Client ID: 4091-treated-8/5/10	Batch ID: 62296	SW5030			Analysis Date: 8/6/2010			SeqNo: 2697986			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	69.2	2.0	60.00	0	115.3	57.8	125				
Toluene	60.7	5.0	60.00	0	101.2	75.8	123				
Ethylbenzene	60.5	5.0	60.00	0	100.8	72.8	123				
Xylenes, Total	128	5.0	120.0	0	106.7	73	127				
Surr: 1,2-Dichloroethane-d4	53.7		50.00		107.4	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		99.9	86	119				
Surr: Dibromofluoromethane	51.8		50.00		103.5	81.7	123				
Surr: Toluene-d8	48.6		50.00		97.1	84.3	114				

Sample ID: 10080261-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/6/2010			RunNo: 138747		
Client ID: 4091-treated-8/5/10		Batch ID: 62296		SW5030		Analysis Date: 8/6/2010			SeqNo: 2697987		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	68.0	2.0	60.00	0	113.3	57.8	125	69.17	1.76	20	
Toluene	59.0	5.0	60.00	0	98.4	75.8	123	60.72	2.79	20	
Ethylbenzene	59.5	5.0	60.00	0	99.2	72.8	123	60.49	1.62	20	
Xylenes, Total	126	5.0	120.0	0	104.8	73	127	128.0	1.82	20	
Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.9		50.00		99.8	86	119		0	0	
Surr: Dibromofluoromethane	50.7		50.00		101.5	81.7	123		0	0	
Surr: Toluene-d8	47.8		50.00		95.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: MB-62261		SampType: MBLK		Units: mg/L		Prep Date: 8/5/2010			RunNo: 138675		
Client ID: ZZZZZZ		Batch ID: 62261		SW3510C		Analysis Date: 8/5/2010			SeqNo: 2696993		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00352		0.005000		70.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00483		0.01000		48.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00374		0.005000		74.8	39.9	106				
Surr: Phenol-d5	0.00296		0.01000		29.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00456		0.005000		91.1	53	116				

Sample ID: LCS-62261		SampType: LCS			Units: mg/L		Prep Date: 8/5/2010			RunNo: 138675		
Client ID: ZZZZZZ		Batch ID: 62261			SW3510C		Analysis Date: 8/5/2010			SeqNo: 2696994		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00327	0.00010	0.005000	0	65.5	50.1	103				
Acenaphthylene	0.00336	0.00010	0.005000	0	67.3	53.3	122				
Anthracene	0.00405	0.00010	0.005000	0	81.0	57.4	110				
Benzo(a)anthracene	0.00387	0.00010	0.005000	0	77.3	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: LCS-62261	SampType: LCS	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138675		
Client ID: ZZZZZZ	Batch ID: 62261	SW3510C				Analysis Date: 8/5/2010			SeqNo: 2696994		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00452	0.00010	0.005000	0	90.4	55.4	125				
Benzo(b)fluoranthene	0.00444	0.00010	0.005000	0	88.7	59.3	127				
Benzo(g,h,i)perylene	0.00396	0.00010	0.005000	0	79.2	58.4	125				
Benzo(k)fluoranthene	0.00439	0.00010	0.005000	0	87.8	61.5	125				
Chrysene	0.00438	0.00010	0.005000	0	87.5	58.7	118				
Dibenzo(a,h)anthracene	0.00423	0.00010	0.005000	0	84.5	59.3	126				
Fluoranthene	0.00420	0.00010	0.005000	0	84.0	60.1	117				
Fluorene	0.00354	0.00010	0.005000	0	70.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00416	0.00010	0.005000	0	83.2	58.1	123				
Naphthalene	0.00303	0.00010	0.005000	0	60.6	36.3	97.1				
Phenanthrene	0.00397	0.00010	0.005000	0	79.4	55.9	107				
Pyrene	0.00426	0.00010	0.005000	0	85.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00331		0.005000		66.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00467		0.01000		46.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00362		0.005000		72.5	39.9	106				
Surr: Phenol-d5	0.00289		0.01000		28.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00448		0.005000		89.6	53	116				

Sample ID: LCSD-62261	SampType: LCSD	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138675		
Client ID: ZZZZZZ	Batch ID: 62261	SW3510C				Analysis Date: 8/5/2010			SeqNo: 2697236		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00333	0.00010	0.005000	0	66.6	50.1	103	0.003273	1.76	50	
Acenaphthylene	0.00352	0.00010	0.005000	0	70.3	53.3	122	0.003363	4.42	50	
Anthracene	0.00420	0.00010	0.005000	0	83.9	57.4	110	0.004050	3.54	50	
Benzo(a)anthracene	0.00400	0.00010	0.005000	0	80.1	56	102	0.003867	3.51	50	
Benzo(a)pyrene	0.00459	0.00010	0.005000	0	91.8	55.4	125	0.004521	1.49	50	
Benzo(b)fluoranthene	0.00447	0.00010	0.005000	0	89.4	59.3	127	0.004435	0.764	50	
Benzo(g,h,i)perylene	0.00414	0.00010	0.005000	0	82.9	58.4	125	0.003959	4.54	50	
Benzo(k)fluoranthene	0.00454	0.00010	0.005000	0	90.8	61.5	125	0.004388	3.43	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: LCSD-62261	SampType: LCSD	Units: mg/L				Prep Date: 8/5/2010			RunNo: 138675		
Client ID: ZZZZZZ	Batch ID: 62261	SW3510C				Analysis Date: 8/5/2010			SeqNo: 2697236		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	0.00450	0.00010	0.005000	0	89.9	58.7	118	0.004375	2.71	50	
Dibenzo(a,h)anthracene	0.00441	0.00010	0.005000	0	88.3	59.3	126	0.004226	4.33	50	
Fluoranthene	0.00424	0.00010	0.005000	0	84.8	60.1	117	0.004199	0.995	50	
Fluorene	0.00367	0.00010	0.005000	0	73.4	54.1	110	0.003542	3.55	50	
Indeno(1,2,3-cd)pyrene	0.00434	0.00010	0.005000	0	86.8	58.1	123	0.004158	4.33	50	
Naphthalene	0.00315	0.00010	0.005000	0	62.9	36.3	97.1	0.003032	3.72	50	
Phenanthrene	0.00409	0.00010	0.005000	0	81.8	55.9	107	0.003971	3.00	50	
Pyrene	0.00438	0.00010	0.005000	0	87.7	61.4	116	0.004260	2.89	50	
Surr: 2-Fluorobiphenyl	0.00334		0.005000		66.8	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00484		0.01000		48.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00370		0.005000		73.9	39.9	106		0	50	
Surr: Phenol-d5	0.00300		0.01000		30.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00444		0.005000		88.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10080261

Report Date: 19-Aug-10

Sample ID: LCS-R138729		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138729		
Client ID: ZZZZZZ		Batch ID: R138729			Analysis Date: 8/6/2010			SeqNo: 2697642				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.023	0.007	0.02500	0	90.2	85	115				
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Sample ID: MB-R138729		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138729		
Client ID: ZZZZZZ		Batch ID: R138729			Analysis Date: 8/6/2010			SeqNo: 2697634				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: 10080261-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 138729		
Client ID: 4091-treated-8/5/10		Batch ID: R138729					Analysis Date: 8/6/2010			SeqNo: 2697638	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.165	0.140	0.02500	0.1716	-24.5	75	125				S
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Sample ID: 10080261-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138729		
Client ID: 4091-treated-8/5/10		Batch ID: R138729					Analysis Date: 8/6/2010			SeqNo: 2697639	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.186	0.140	0.02500	0.1716	58.2	75	125	0.1655	11.8	15	S
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Sample ID: MB-R138729		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138729		
Client ID: ZZZZZZ		Batch ID: R138729			Analysis Date: 8/6/2010			SeqNo: 2698521				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080261

Report Date: 19-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: LCS-R138729	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 138729			
Client ID: ZZZZZZ	Batch ID: R138729				Analysis Date: 8/6/2010			SeqNo: 2698531			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.023	0.007	0.02500	0	90.5	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080261

Report Date: 19-Aug-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

05-Aug-10

Elizabeth A. Hurley

Reviewed by:

On:

06-Aug-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 7.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Per Pete Sazama, do not report BOD results due to LCS failure. 8/19/10 HAW



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09915

10080261

Shipping:	
Carrier / Airbill No.	

Relinquished by:		
Signature	Date	Time
	8-5-10	1445
	8/5/10	1740

Received by:		
Signature	Date	Time
	8/5/10	1445
	8/5/10	1740

Distribution:	WHITE to Lab	CANARY to PM	PINK to QA/QC
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PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

August 17, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10080366

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/9/2010 4:55:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080366

Report Date: 17-Aug-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10080366-001	6785-treated-8/9/10	5	8/9/2010 7:25:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10080366

Report Date: 17-Aug-10

Cooler Receipt Temp: 3.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080366

Lab ID: 10080366-001

Report Date: 17-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-8/9/10

Collection Date: 8/9/2010 7:25:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.04		1	8/10/2010 10:35:00 AM	KNS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	R	13	mg/L	1	8/9/2010 6:00:00 PM	BSJ
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		37	mg/L	1	8/9/2010 6:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	8/10/2010 12:03:28 PM	LAL
Barium	NELAP	0.0050		0.0481	mg/L	1	8/10/2010 12:03:28 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	8/10/2010 12:03:28 PM	LAL
Chromium	NELAP	0.0100	J	0.0054	mg/L	1	8/10/2010 12:03:28 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	8/10/2010 12:03:28 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	8/10/2010 12:03:28 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	8/10/2010 12:02:56 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Fluoranthene	NELAP	0.00010		0.00010	mg/L	1	8/10/2010 2:58:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	8/10/2010 2:58:00 PM	MAV
Phenanthrene	NELAP	0.00010		0.00011	mg/L	1	8/10/2010 2:58:00 PM	MAV
Pyrene	NELAP	0.00010		0.00013	mg/L	1	8/10/2010 2:58:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00034	mg/L	1	8/10/2010 2:58:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		68.9	%REC	1	8/10/2010 2:58:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		35.5	%REC	1	8/10/2010 2:58:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		75.2	%REC	1	8/10/2010 2:58:00 PM	MAV
Surr: Phenol-d5		11-42.8		21.9	%REC	1	8/10/2010 2:58:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		75.4	%REC	1	8/10/2010 2:58:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10080366

Lab ID: 10080366-001

Report Date: 17-Aug-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-8/9/10

Collection Date: 8/9/2010 7:25:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/9/2010 10:06:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/9/2010 10:06:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	8/9/2010 10:06:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/9/2010 10:06:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		104.0	%REC	1	8/9/2010 10:06:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		101.0	%REC	1	8/9/2010 10:06:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		97.7	%REC	1	8/9/2010 10:06:00 PM	CCF
Surr: Toluene-d8		84.3-114		98.9	%REC	1	8/9/2010 10:06:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	8/10/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.140		< 0.140	mg/L	20	8/11/2010 3:50:29 PM	MVS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.140	S	0.202	mg/L	20	8/11/2010 3:50:29 PM	MVS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Standard Methods 18th Ed. 2540 D

RPD was outside the QC limits due to low level results.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10080366-001A	6785-treated-8/9/10	8/9/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/10/2010 12:12:21 PM	8/10/2010 2:58:00 PM
10080366-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		8/10/2010 10:35:00 AM
				Standard Methods 18th Ed. 2540 D		8/9/2010 6:00:00 PM
				Standard Methods 18th Ed. 5210 B	8/9/2010 6:00:00 PM	8/9/2010 6:00:00 PM
10080366-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/9/2010 5:50:00 PM	8/10/2010 12:03:28 PM
				SW-846 3020A, Metals by GFAA (Total)	8/9/2010 5:51:04 PM	8/10/2010 12:02:56 PM
				SW-846 7470A (Total)	8/10/2010 8:31:59 AM	8/10/2010
10080366-001D				SW-846 9012A		8/11/2010 3:50:29 PM
				SW-846 9012A (Total)		8/11/2010 3:50:29 PM
10080366-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/9/2010 10:06:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080366

Report Date: 17-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R138805		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 138805		
Client ID: ZZZZZZ		Batch ID: R138805					Analysis Date: 8/9/2010			SeqNo: 2699611	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R138805		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138805		
Client ID: ZZZZZZ		Batch ID: R138805			Analysis Date: 8/9/2010			SeqNo: 2699612				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138805		
Client ID: ZZZZZZ		Batch ID: R138805			Analysis Date: 8/9/2010			SeqNo: 2699633				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: LCSQC		SampType: LCSQC			Units: mg/L		Prep Date:			RunNo: 138805		
Client ID: ZZZZZZ		Batch ID: R138805			Analysis Date: 8/9/2010			SeqNo: 2699658				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: MB-R138805		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138805		
Client ID: ZZZZZZ		Batch ID: R138805			Analysis Date: 8/9/2010			SeqNo: 2699660				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6									
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: 10080366-001BDUP		SampType: DUP		Units: mg/L		Prep Date:		RunNo: 138805			
Client ID: 6785-treated-8/9/10D		Batch ID: R138805				Analysis Date: 8/9/2010		SeqNo: 2700289			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	11	6						13.00	16.7	15	R

Sample ID: LCSQC		SampType: LCSQC		Units: mg/L		Prep Date:		RunNo: 138805			
Client ID: ZZZZZZ		Batch ID: R138805				Analysis Date: 8/9/2010		SeqNo: 2700349			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: LCS-R138837		SampType: LCS			Units:		Prep Date:			RunNo: 138837		
Client ID: ZZZZZZ		Batch ID: R138837			Analysis Date: 8/10/2010			SeqNo: 2700421				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10080366-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 138837		
Client ID: 6785-treated-8/9/10D		Batch ID: R138837				Analysis Date: 8/10/2010			SeqNo: 2700426		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.04	1.00						9.040	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: LCS-62339	SampType: LCS	Units: mg/L			Prep Date: 8/9/2010			RunNo: 139009			
Client ID: ZZZZZZ	Batch ID: 62339	SOP 2030			Analysis Date: 8/9/2010			SeqNo: 2705257			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	197	5	198.0	0	99.5	84.6	115.4				
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Sample ID: 10080366-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 8/9/2010			RunNo: 139009			
Client ID: 6785-treated-8/9/10D	Batch ID: 62339	SOP 2030			Analysis Date: 8/9/2010			SeqNo: 2705259			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	36	5						37.00	2.74	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: MB-62320	SampType: MBLK	Units: mg/L			Prep Date: 8/9/2010			RunNo: 138829			
Client ID: ZZZZZZ	Batch ID: 62320	SOP 3034			Analysis Date: 8/10/2010			SeqNo: 2700565			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62320	SampType: LCS	Units: mg/L				Prep Date: 8/9/2010			RunNo: 138829		
Client ID: ZZZZZZ	Batch ID: 62320	SOP 3034				Analysis Date: 8/10/2010			SeqNo: 2700566		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	101.8	85	115				
Barium	1.99	0.0050	2.000	0	99.4	85	115				
Cadmium	0.0523	0.0020	0.05000	0	104.6	85	115				
Chromium	0.216	0.0100	0.2000	0	108.2	85	115				
Selenium	2.02	0.0500	2.000	0	101.0	85	115				
Silver	0.0513	0.0100	0.05000	0	102.6	85	115				

Sample ID: 10080366-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138829		
Client ID: 6785-treated-8/9/10		Batch ID: 62320		SOP 3034		Analysis Date: 8/10/2010			SeqNo: 2700568		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.99	0.0250	2.000	0	99.4	75	125				
Barium	1.90	0.0050	2.000	0.04810	92.7	75	125				
Cadmium	0.0478	0.0020	0.05000	0	95.6	75	125				
Chromium	0.205	0.0100	0.2000	0.005400	99.7	75	125				
Selenium	2.01	0.0500	2.000	0	100.4	75	125				
Silver	0.0508	0.0100	0.05000	0	101.6	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: 10080366-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/9/2010		RunNo: 138829			
Client ID: 6785-treated-8/9/10		Batch ID: 62320		SOP 3034		Analysis Date: 8/10/2010		SeqNo: 2700569			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	98.8	75	125	1.988	0.605	20	
Barium	1.87	0.0050	2.000	0.04810	91.0	75	125	1.903	1.80	20	
Cadmium	0.0465	0.0020	0.05000	0	93.0	75	125	0.04780	2.76	20	
Chromium	0.204	0.0100	0.2000	0.005400	99.4	75	125	0.2047	0.245	20	
Selenium	2.00	0.0500	2.000	0	99.8	75	125	2.007	0.550	20	
Silver	0.0507	0.0100	0.05000	0	101.4	75	125	0.05080	0.197	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: MB-62328		SampType: MBLK		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138846		
Client ID: ZZZZZZ		Batch ID: 62328		SOP 3044		Analysis Date: 8/10/2010			SeqNo: 2700650		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-62328		SampType: LCS		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138846		
Client ID: ZZZZZZ		Batch ID: 62328		SOP 3044		Analysis Date: 8/10/2010			SeqNo: 2700651		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0170	0.0020	0.01500	0	113.1	80	120			
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Sample ID: 10080366-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138846		
Client ID: 6785-treated-8/9/10		Batch ID: 62328		SOP 3044		Analysis Date: 8/10/2010			SeqNo: 2700654		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0143	0.0020	0.01500	0.0005889	91.4	70	130	0.01340	6.44	20
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Sample ID: 10080366-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138846		
Client ID: 6785-treated-8/9/10		Batch ID: 62328		SOP 3044		Analysis Date: 8/10/2010			SeqNo: 2700664		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0134	0.0020	0.01500	0.0005889	85.4	70	130			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: MB-62350	SampType: MBLK	Units: mg/L				Prep Date: 8/10/2010			RunNo: 138847		
Client ID: ZZZZZZ	Batch ID: 62350	SOP 3062				Analysis Date: 8/10/2010			SeqNo: 2701032		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00006	0.00020	0.0002000	0	30.0	-100	100				J

Sample ID: LCS-62350	SampType: LCS	Units: mg/L			Prep Date: 8/10/2010			RunNo: 138847			
Client ID: ZZZZZZ	Batch ID: 62350	SOP 3062			Analysis Date: 8/10/2010			SeqNo: 2701033			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00532	0.00020	0.005000	0	106.4	85	115				

Sample ID: 10080366-001CMS		SampType: MS		Units: mg/L		Prep Date: 8/10/2010			RunNo: 138847		
Client ID: 6785-treated-8/9/10		Batch ID: 62350		SOP 3062		Analysis Date: 8/10/2010			SeqNo: 2701035		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00451	0.00020	0.005000	0	90.2	75	125				

Sample ID: 10080366-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/10/2010			RunNo: 138847		
Client ID: 6785-treated-8/9/10		Batch ID: 62350		SOP 3062		Analysis Date: 8/10/2010			SeqNo: 2701036		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00456	0.00020	0.005000	0	91.2	75	125	0.004510	1.10	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: LCS-T100809-1	SampType: LCS	Units: µg/L			Prep Date: 8/9/2010			RunNo: 138848			
Client ID: ZZZZZZ	Batch ID: 62352	SW5030			Analysis Date: 8/9/2010			SeqNo: 2700838			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.5	2.0	50.00	0	99.0	82.7	117				
Ethylbenzene	45.5	5.0	50.00	0	91.1	83	113				
Toluene	46.6	5.0	50.00	0	93.2	79.6	116				
Xylenes, Total	144	5.0	150.0	0	96.3	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.6		50.00		105.3	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		99.9	86	119				
Surr: Dibromofluoromethane	49.1		50.00		98.3	81.7	123				
Surr: Toluene-d8	51.0		50.00		101.9	84.3	114				

Sample ID: LCSD-T100809-1	SampType: LCSD	Units: µg/L			Prep Date: 8/9/2010			RunNo: 138848			
Client ID: ZZZZZZ	Batch ID: 62352	SW5030			Analysis Date: 8/9/2010			SeqNo: 2700839			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.6	2.0	50.00	0	103.1	82.7	117	49.50	4.08	20	
Ethylbenzene	47.2	5.0	50.00	0	94.5	83	113	45.53	3.67	20	
Toluene	48.5	5.0	50.00	0	97.0	79.6	116	46.62	3.91	20	
Xylenes, Total	151	5.0	150.0	0	100.7	80.3	120	144.4	4.51	20	
Surr: 1,2-Dichloroethane-d4	53.1		50.00		106.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.3		50.00		100.6	86	119		0	0	
Surr: Dibromofluoromethane	49.2		50.00		98.5	81.7	123		0	0	
Surr: Toluene-d8	51.3		50.00		102.5	84.3	114		0	0	

Sample ID: MBLK-T100809-1	SampType: MBLK	Units: µg/L			Prep Date: 8/9/2010			RunNo: 138848			
Client ID: ZZZZZZ	Batch ID: 62352	SW5030			Analysis Date: 8/9/2010			SeqNo: 2700840			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: MBLK-T100809-1		SampType: MBLK		Units: µg/L		Prep Date: 8/9/2010		RunNo: 138848			
Client ID: ZZZZZZ		Batch ID: 62352		SW5030		Analysis Date: 8/9/2010		SeqNo: 2700840			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	52.7		50.00		105.4	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100	86	119				
Surr: Dibromofluoromethane	48.9		50.00		97.8	81.7	123				
Surr: Toluene-d8	50.0		50.00		99.9	84.3	114				

Sample ID: 10080366-001EMS		SampType: MS		Units: µg/L		Prep Date: 8/9/2010			RunNo: 138848		
Client ID: 6785-treated-8/9/10		Batch ID: 62352		SW5030		Analysis Date: 8/9/2010			SeqNo: 2700862		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	63.4	2.0	60.00	0	105.7	57.8	125				
Toluene	61.3	5.0	60.00	0	102.2	75.8	123				
Ethylbenzene	62.3	5.0	60.00	0	103.9	72.8	123				
Xylenes, Total	133	5.0	120.0	0	110.7	73	127				
Surr: 1,2-Dichloroethane-d4	52.8		50.00		105.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.7		50.00		103.5	86	119				
Surr: Dibromofluoromethane	48.4		50.00		96.7	81.7	123				
Surr: Toluene-d8	49.8		50.00		99.6	84.3	114				

Sample ID: 10080366-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 8/9/2010			RunNo: 138848		
Client ID: 6785-treated-8/9/10		Batch ID: 62352		SW5030		Analysis Date: 8/9/2010			SeqNo: 2700863		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	64.6	2.0	60.00	0	107.7	57.8	125	63.43	1.86	20	
Toluene	61.9	5.0	60.00	0	103.2	75.8	123	61.31	1.02	20	
Ethylbenzene	62.8	5.0	60.00	0	104.7	72.8	123	62.34	0.783	20	
Xylenes, Total	134	5.0	120.0	0	111.4	73	127	132.8	0.623	20	
Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.4		50.00		100.8	86	119		0	0	
Surr: Dibromofluoromethane	49.0		50.00		98.0	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.2	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: MB-62311		SampType: MBLK		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138851		
Client ID: ZZZZZZ		Batch ID: 62311		SW3510C		Analysis Date: 8/10/2010			SeqNo: 2700893		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.0173		0.02500		69.3	41.9	97.9				
Surr: 2-Fluorophenol	0.0240		0.05000		48.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0192		0.02500		77.0	39.9	106				
Surr: Phenol-d5	0.0137		0.05000		27.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.0190		0.02500		76.0	53	116				

Sample ID: LCS-62311		SampType: LCS		Units: mg/L		Prep Date: 8/9/2010			RunNo: 138851		
Client ID: ZZZZZZ		Batch ID: 62311		SW3510C		Analysis Date: 8/10/2010			SeqNo: 2700894		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00370	0.00010	0.005000	0	74.1	50.1	103				
Acenaphthylene	0.00388	0.00010	0.005000	0	77.6	53.3	122				
Anthracene	0.00389	0.00010	0.005000	0	77.8	57.4	110				
Benzo(a)anthracene	0.00396	0.00010	0.005000	0	79.3	56	102				
Benzo(a)pyrene	0.00443	0.00010	0.005000	0	88.6	55.4	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: LCS-62311	SampType: LCS	Units: mg/L			Prep Date: 8/9/2010			RunNo: 138851			
Client ID: ZZZZZZ	Batch ID: 62311	SW3510C			Analysis Date: 8/10/2010			SeqNo: 2700894			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	0.00438	0.00010	0.005000	0	87.6	59.3	127				
Benzo(g,h,i)perylene	0.00455	0.00010	0.005000	0	91.0	58.4	125				
Benzo(k)fluoranthene	0.00435	0.00010	0.005000	0	86.9	61.5	125				
Dibenzo(a,h)anthracene	0.00445	0.00010	0.005000	0	89.0	59.3	126				
Fluoranthene	0.00417	0.00010	0.005000	0	83.4	60.1	117				
Fluorene	0.00394	0.00010	0.005000	0	78.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00448	0.00010	0.005000	0	89.5	58.1	123				
Naphthalene	0.00350	0.00010	0.005000	0	69.9	36.3	97.1				
Phenanthrene	0.00393	0.00010	0.005000	0	78.6	55.9	107				
Pyrene	0.00411	0.00010	0.005000	0	82.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.0191		0.02500		76.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0240		0.05000		48.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.0200		0.02500		79.9	39.9	106				
Surr: Phenol-d5	0.0140		0.05000		28.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.0200		0.02500		80.0	53	116				

Sample ID: LCSD-62311	SampType: LCSD	Units: mg/L				Prep Date: 8/9/2010			RunNo: 138851		
Client ID: ZZZZZZ	Batch ID: 62311	SW3510C				Analysis Date: 8/10/2010			SeqNo: 2700895		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00393	0.00010	0.005000	0	78.7	50.1	103	0.003704	6.00	50	
Acenaphthylene	0.00403	0.00010	0.005000	0	80.6	53.3	122	0.003879	3.79	50	
Anthracene	0.00417	0.00010	0.005000	0	83.5	57.4	110	0.003888	7.10	50	
Benzo(a)anthracene	0.00421	0.00010	0.005000	0	84.2	56	102	0.003963	6.09	50	
Benzo(a)pyrene	0.00449	0.00010	0.005000	0	89.7	55.4	125	0.004432	1.23	50	
Benzo(b)fluoranthene	0.00452	0.00010	0.005000	0	90.4	59.3	127	0.004381	3.12	50	
Benzo(g,h,i)perylene	0.00466	0.00010	0.005000	0	93.2	58.4	125	0.004550	2.43	50	
Benzo(k)fluoranthene	0.00454	0.00010	0.005000	0	90.8	61.5	125	0.004346	4.32	50	
Dibenzo(a,h)anthracene	0.00460	0.00010	0.005000	0	91.9	59.3	126	0.004452	3.16	50	
Fluoranthene	0.00456	0.00010	0.005000	0	91.2	60.1	117	0.004172	8.86	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: LCSD-62311	SampType: LCSD	Units: mg/L				Prep Date: 8/9/2010			RunNo: 138851		
Client ID: ZZZZZZ	Batch ID: 62311	SW3510C				Analysis Date: 8/10/2010			SeqNo: 2700895		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	0.00416	0.00010	0.005000	0	83.2	54.1	110	0.003938	5.53	50	
Indeno(1,2,3-cd)pyrene	0.00460	0.00010	0.005000	0	92.1	58.1	123	0.004477	2.78	50	
Naphthalene	0.00363	0.00010	0.005000	0	72.6	36.3	97.1	0.003495	3.76	50	
Phenanthrene	0.00422	0.00010	0.005000	0	84.3	55.9	107	0.003929	7.07	50	
Pyrene	0.00438	0.00010	0.005000	0	87.6	61.4	116	0.004107	6.48	50	
Surr: 2-Fluorobiphenyl	0.0205		0.02500		82.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0241		0.05000		48.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0225		0.02500		89.9	39.9	106		0	50	
Surr: Phenol-d5	0.0150		0.05000		29.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0189		0.02500		75.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10080366

Report Date: 17-Aug-10

Sample ID: MB-R138905		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 138905		
Client ID: ZZZZZZ		Batch ID: R138905			Analysis Date: 8/11/2010			SeqNo: 2702363				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R138905		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138905		
Client ID: ZZZZZZ		Batch ID: R138905			Analysis Date: 8/11/2010			SeqNo: 2702364				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.023	0.007	0.02500	0	92.1	85	115				
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Sample ID: LCS-R138905		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138905		
Client ID: ZZZZZZ		Batch ID: R138905			Analysis Date: 8/11/2010			SeqNo: 2702365				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.022	0.007	0.02500	0	87.2	85	115	0.02304	5.49	0	
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Sample ID: LCS-R138905		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 138905		
Client ID: ZZZZZZ		Batch ID: R138905			Analysis Date: 8/11/2010			SeqNo: 2702366				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.024	0.007	0.02500	0	94.1	85	115				
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Sample ID: 10080366-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 138905		
Client ID: 6785-treated-8/9/10		Batch ID: R138905					Analysis Date: 8/11/2010			SeqNo: 2702368	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.235	0.140	0.02500	0.2024	131.8	75	125				S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080366

Report Date: 17-Aug-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: 10080366-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 138905		
Client ID: 6785-treated-8/9/10		Batch ID: R138905		Analysis Date: 8/11/2010			SeqNo: 2702369				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.237	0.140	0.02500	0.2024	140.3	75	125	0.2354	0.895	15	S

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10080366

Report Date: 17-Aug-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

09-Aug-10

Marvin L. Darling

Reviewed by:

On:

10-Aug-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09916

[illegible]

Samples Iced:		☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics	Hydrochloric acid (HCl)		
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol		
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)		
☒ Metals	Nitric acid		
☒ Cyanide	Sodium hydroxide (NaOH)		
☐ Other (Specify)			

Lab Directives:	
Requested TAT: ☒ Rush	☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: <i>P. Szazana and L. Hoedler</i>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

Shipping:	
	Carrier / Airbill No.

Relinquished by:		
Signature	Date	Time
	8-9-10	12:30
	8/9/10	16:55

Received by:		
Signature	Date	Time
	8/9/10	12:30
	8/9/10	16:55

September 07, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10081265

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 8/31/2010 3:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10081265

Report Date: 07-Sep-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10081265-001	2169-treated-8/31/10	5	8/31/2010 8:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10081265

Report Date: 07-Sep-10

Cooler Receipt Temp: 5.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	MI - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	DNI - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	IDPH - IL Dept. of Public Health	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10081265

Lab ID: 10081265-001

Report Date: 07-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-8/31/10

Collection Date: 8/31/2010 8:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.51		1	9/1/2010 3:23:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	9/1/2010 10:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		7	mg/L	1	9/1/2010 3:00:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	9/1/2010 1:04:44 PM	LAL
Barium	NELAP	0.0050		0.144	mg/L	1	9/1/2010 1:04:44 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	9/1/2010 1:04:44 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	9/1/2010 1:04:44 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	9/1/2010 1:04:44 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	9/1/2010 1:04:44 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	9/1/2010 3:41:26 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Fluoranthene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Fluorene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Naphthalene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Phenanthrene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Pyrene	NELAP	0.00010		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	9/1/2010 12:58:00 PM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		84.7	%REC	1	9/1/2010 12:58:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		45.7	%REC	1	9/1/2010 12:58:00 PM	DMH
Surr: Nitrobenzene-d5		37.6-105		92.6	%REC	1	9/1/2010 12:58:00 PM	DMH
Surr: Phenol-d5		11-42.8		29.4	%REC	1	9/1/2010 12:58:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		99.5	%REC	1	9/1/2010 12:58:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10081265

Lab ID: 10081265-001

Report Date: 07-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-8/31/10

Collection Date: 8/31/2010 8:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	8/31/2010 4:36:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	8/31/2010 4:36:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	8/31/2010 4:36:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	8/31/2010 4:36:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.0	%REC	1	8/31/2010 4:36:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		101.0	%REC	1	8/31/2010 4:36:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		96.8	%REC	1	8/31/2010 4:36:00 PM	TAL
Surr: Toluene-d8		84.3-114		98.3	%REC	1	8/31/2010 4:36:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	9/1/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		0.078	mg/L	10	9/1/2010 4:44:00 PM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.195	mg/L	10	9/1/2010 4:44:00 PM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 7470A (Total)

Hg- Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10081265**Report Date:** 07-Sep-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10081265-001A	2169-treated-8/31/10	8/31/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	8/31/2010 6:30:31 PM	9/1/2010 12:58:00 PM
10081265-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		9/1/2010 3:23:00 PM
				Standard Methods 18th Ed. 2540 D		9/1/2010 10:00:00 AM
				Standard Methods 18th Ed. 5210 B	9/1/2010 3:00:00 PM	9/1/2010 3:00:00 PM
10081265-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	8/31/2010 5:06:28 PM	9/1/2010 1:04:44 PM
				SW-846 3020A, Metals by GFAA (Total)	9/1/2010 9:45:00 AM	9/1/2010 9:39:50 AM
				SW-846 3020A, Metals by GFAA (Total)	9/1/2010 9:45:00 AM	9/1/2010 3:41:26 PM
				SW-846 7470A (Total)	9/1/2010 8:15:11 AM	9/1/2010
10081265-001D				SW-846 9012A		9/1/2010 4:44:00 PM
				SW-846 9012A		9/1/2010 4:44:00 PM
				SW-846 9012A (Total)		9/1/2010 4:44:00 PM
				SW-846 9012A (Total)		9/1/2010 4:44:00 PM
				SW-846 9012A (Total)		9/1/2010 4:44:00 PM
10081265-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		8/31/2010 4:36:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: A_TCND_S_AT_9012A

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: 10081265-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 139691		
Client ID: 2169-treated-8/31/10		Batch ID: R139691					Analysis Date: 9/1/2010			SeqNo: 2721970	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.205	0.070	0.02500	0.1946	40.1	75	125				S

Sample ID: 10081265-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 139691		
Client ID: 2169-treated-8/31/10		Batch ID: R139691					Analysis Date: 9/1/2010			SeqNo: 2721971	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.202	0.070	0.02500	0.1946	31.3	75	125	0.2046	1.09	15	S

Sample ID: MB-R139691		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 139691		
Client ID: ZZZZZZ		Batch ID: R139691			Analysis Date: 9/1/2010			SeqNo: 2721972				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R139691	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 139691			
Client ID: ZZZZZZ	Batch ID: R139691				Analysis Date: 9/1/2010			SeqNo: 2721973			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.024	0.007	0.02500	0	96.9	85	115				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10081265

Report Date: 07-Sep-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-62840	SampType: LCS	Units: mg/L			Prep Date: 9/1/2010			RunNo: 139810			
Client ID: ZZZZZZ	Batch ID: 62840	SOP 2030			Analysis Date: 9/1/2010			SeqNo: 2724412			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	168	5	198.0	0	84.8	84.6	115.4				

Sample ID: 10081265-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 9/1/2010			RunNo: 139810			
Client ID: 2169-treated-8/31/10	Batch ID: 62840	SOP 2030			Analysis Date: 9/1/2010			SeqNo: 2724433			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	7	5						7.000	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_PH_M_AT_NF

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: LCS-R139682	SampType: LCS	Units:			Prep Date:			RunNo: 139682			
Client ID: ZZZZZZ	Batch ID: R139682				Analysis Date: 9/1/2010			SeqNo: 2721402			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10081265-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 139682			
Client ID: 2169-treated-8/31/10	Batch ID: R139682				Analysis Date: 9/1/2010			SeqNo: 2721414			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.52	1.00						7.510	0.133	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_TSS_M_AT

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: MB-R139649		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 139649		
Client ID: ZZZZZZ		Batch ID: R139649					Analysis Date: 9/1/2010			SeqNo: 2721214		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	< 6	6										

Sample ID: LCS-R139649		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139649		
Client ID: ZZZZZZ		Batch ID: R139649					Analysis Date: 9/1/2010			SeqNo: 2721215		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	93	6	100.0	0	93.0	85	115					

Sample ID: 10081265-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 139649		
Client ID: 2169-treated-8/31/10		Batch ID: R139649					Analysis Date: 9/1/2010			SeqNo: 2721225		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	< 6	6						0	0	15		

Sample ID: LCS-R139649		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139649		
Client ID: ZZZZZZ		Batch ID: R139649					Analysis Date: 9/1/2010			SeqNo: 2721226		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	98	6	100.0	0	98.0	85	115					

Sample ID: LCS-R139649		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139649		
Client ID: ZZZZZZ		Batch ID: R139649					Analysis Date: 9/1/2010			SeqNo: 2721237		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	93	6	100.0	0	93.0	85	115					

Sample ID: LCS-R139649		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139649		
Client ID: ZZZZZZ		Batch ID: R139649					Analysis Date: 9/1/2010			SeqNo: 2721963		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_TSS_M_AT

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: LCS-R139649		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 139649			
Client ID: ZZZZZZ		Batch ID: R139649				Analysis Date: 9/1/2010		SeqNo: 2721963			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_GF_ST

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: MB-62801		SampType: MBLK		Units: mg/L		Prep Date: 9/1/2010			RunNo: 139689		
Client ID: ZZZZZZ		Batch ID: 62801		SOP 3044		Analysis Date: 9/1/2010			SeqNo: 2721427		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-62801		SampType: LCS			Units: mg/L		Prep Date: 9/1/2010			RunNo: 139689		
Client ID: ZZZZZZ		Batch ID: 62801			SOP 3044		Analysis Date: 9/1/2010			SeqNo: 2721428		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0156	0.0020	0.01500	0	103.9	80	120			
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Sample ID: 10081265-001CMS		SampType: MS		Units: mg/L		Prep Date: 9/1/2010			RunNo: 139689		
Client ID: 2169-treated-8/31/10		Batch ID: 62801		SOP 3044		Analysis Date: 9/1/2010			SeqNo: 2721430		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0149	0.0020	0.01500	0	99.3	70	130			
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Sample ID: 10081265-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/1/2010			RunNo: 139689		
Client ID: 2169-treated-8/31/10		Batch ID: 62801		SOP 3044		Analysis Date: 9/1/2010			SeqNo: 2721431		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0146	0.0020	0.01500	0	97.6	70	130	0.01489	1.75	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: MB-62800	SampType: MBLK	Units: mg/L				Prep Date: 8/31/2010			RunNo: 139655		
Client ID: ZZZZZZ	Batch ID: 62800	SOP 3034				Analysis Date: 9/1/2010			SeqNo: 2721021		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-62800	SampType: LCS	Units: mg/L				Prep Date: 8/31/2010			RunNo: 139655		
Client ID: ZZZZZZ	Batch ID: 62800	SOP 3034				Analysis Date: 9/1/2010			SeqNo: 2721022		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	103.8	85	115				
Barium	2.00	0.0050	2.000	0	100	85	115				
Cadmium	0.0506	0.0020	0.05000	0	101.2	85	115				
Chromium	0.220	0.0100	0.2000	0	110.2	85	115				
Selenium	2.06	0.0500	2.000	0	103.0	85	115				
Silver	0.0552	0.0100	0.05000	0	110.4	85	115				

Sample ID: 10081265-001CMS	SampType: MS	Units: mg/L				Prep Date: 8/31/2010			RunNo: 139655		
Client ID: 2169-treated-8/31/10	Batch ID: 62800	SOP 3034				Analysis Date: 9/1/2010			SeqNo: 2721024		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.5	75	125				
Barium	2.02	0.0050	2.000	0.1435	93.7	75	125				
Cadmium	0.0477	0.0020	0.05000	0	95.4	75	125				
Chromium	0.207	0.0100	0.2000	0	103.7	75	125				
Selenium	2.01	0.0500	2.000	0	100.3	75	125				
Silver	0.0512	0.0100	0.05000	0	102.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: 10081265-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 8/31/2010		RunNo: 139655			
Client ID: 2169-treated-8/31/10		Batch ID: 62800		SOP 3034		Analysis Date: 9/1/2010		SeqNo: 2721025			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.2	75	125	2.070	4.24	20	
Barium	1.96	0.0050	2.000	0.1435	91.0	75	125	2.018	2.71	20	
Cadmium	0.0453	0.0020	0.05000	0	90.6	75	125	0.04770	5.16	20	
Chromium	0.206	0.0100	0.2000	0	102.8	75	125	0.2074	0.872	20	
Selenium	1.96	0.0500	2.000	0	98.0	75	125	2.006	2.37	20	
Silver	0.0519	0.0100	0.05000	0	103.8	75	125	0.05120	1.36	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_HG_AQ_S

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: MB-62815		SampType: MBLK		Units: mg/L		Prep Date: 9/1/2010			RunNo: 139677		
Client ID: ZZZZZZ		Batch ID: 62815		SOP 3062		Analysis Date: 9/1/2010			SeqNo: 2721145		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-62815	SampType: LCS	Units: mg/L				Prep Date: 9/1/2010				RunNo: 139677		
Client ID: ZZZZZZ	Batch ID: 62815	SOP 3062				Analysis Date: 9/1/2010				SeqNo: 2721146		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00502	0.00020	0.005000	0	100.4	85	115					

Sample ID: 10081265-001CMS		SampType: MS		Units: mg/L		Prep Date: 9/1/2010			RunNo: 139677		
Client ID: 2169-treated-8/31/10		Batch ID: 62815		SOP 3062		Analysis Date: 9/1/2010			SeqNo: 2721152		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00367	0.00020	0.005000	0	73.4	75	125				S

Sample ID: 10081265-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139677		
Client ID: 2169-treated-8/31/10	Batch ID: 62815	SOP 3062				Analysis Date: 9/1/2010			SeqNo: 2721153		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00365	0.00020	0.005000	0	73.0	75	125	0.003670	0.546	15	S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: MB-62806	SampType: MBLK	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139683			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/1/2010			SeqNo: 2721205			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00429		0.005000		85.7	41.9	97.9				
Surr: 2-Fluorophenol	0.00607		0.01000		60.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00489		0.005000		97.9	39.9	106				
Surr: Phenol-d5	0.00390		0.01000		39.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00526		0.005000		105.2	53	116				

Sample ID: LCS-62806	SampType: LCS	Units: mg/L				Prep Date: 8/31/2010			RunNo: 139683		
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C				Analysis Date: 9/1/2010			SeqNo: 2721206		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00386	0.00010	0.005000	0	77.2	50.1	103				
Acenaphthylene	0.00424	0.00010	0.005000	0	84.7	53.3	122				
Anthracene	0.00462	0.00010	0.005000	0	92.3	57.4	110				
Benzo(a)anthracene	0.00419	0.00010	0.005000	0	83.7	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: LCS-62806	SampType: LCS	Units: mg/L				Prep Date: 8/31/2010			RunNo: 139683		
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C				Analysis Date: 9/1/2010			SeqNo: 2721206		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00504	0.00010	0.005000	0	100.8	55.4	125				
Benzo(b)fluoranthene	0.00474	0.00010	0.005000	0	94.7	59.3	127				
Benzo(g,h,i)perylene	0.00420	0.00010	0.005000	0	84.0	58.4	125				
Benzo(k)fluoranthene	0.00477	0.00010	0.005000	0	95.4	61.5	125				
Chrysene	0.00465	0.00010	0.005000	0	93.1	58.7	118				
Dibenzo(a,h)anthracene	0.00443	0.00010	0.005000	0	88.6	59.3	126				
Fluoranthene	0.00452	0.00010	0.005000	0	90.3	60.1	117				
Fluorene	0.00425	0.00010	0.005000	0	85.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00438	0.00010	0.005000	0	87.5	58.1	123				
Naphthalene	0.00398	0.00010	0.005000	0	79.5	36.3	97.1				
Phenanthrene	0.00445	0.00010	0.005000	0	89.1	55.9	107				
Pyrene	0.00462	0.00010	0.005000	0	92.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.00421		0.005000		84.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00581		0.01000		58.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.00472		0.005000		94.5	39.9	106				
Surr: Phenol-d5	0.00372		0.01000		37.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00517		0.005000		103.4	53	116				

Sample ID: LCSD-62806	SampType: LCSD	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139683			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/1/2010			SeqNo: 2721207			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00391	0.00010	0.005000	0	78.1	50.1	103	0.003858	1.24	50	
Acenaphthylene	0.00424	0.00010	0.005000	0	84.8	53.3	122	0.004237	0.0472	50	
Anthracene	0.00445	0.00010	0.005000	0	89.0	57.4	110	0.004616	3.62	50	
Benzo(a)anthracene	0.00415	0.00010	0.005000	0	83.1	56	102	0.004187	0.815	50	
Benzo(a)pyrene	0.00493	0.00010	0.005000	0	98.7	55.4	125	0.005039	2.11	50	
Benzo(b)fluoranthene	0.00449	0.00010	0.005000	0	89.9	59.3	127	0.004737	5.29	50	
Benzo(g,h,i)perylene	0.00411	0.00010	0.005000	0	82.2	58.4	125	0.004199	2.14	50	
Benzo(k)fluoranthene	0.00452	0.00010	0.005000	0	90.3	61.5	125	0.004769	5.45	50	
Chrysene	0.00468	0.00010	0.005000	0	93.6	58.7	118	0.004653	0.579	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: LCSD-62806	SampType: LCSD	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139683			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/1/2010			SeqNo: 2721207			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.00434	0.00010	0.005000	0	86.9	59.3	126	0.004430	1.96	50	
Fluoranthene	0.00454	0.00010	0.005000	0	90.8	60.1	117	0.004517	0.464	50	
Fluorene	0.00410	0.00010	0.005000	0	81.9	54.1	110	0.004252	3.74	50	
Indeno(1,2,3-cd)pyrene	0.00428	0.00010	0.005000	0	85.6	58.1	123	0.004376	2.19	50	
Naphthalene	0.00370	0.00010	0.005000	0	73.9	36.3	97.1	0.003976	7.33	50	
Phenanthrene	0.00433	0.00010	0.005000	0	86.7	55.9	107	0.004454	2.73	50	
Pyrene	0.00448	0.00010	0.005000	0	89.5	61.4	116	0.004625	3.27	50	
Surr: 2-Fluorobiphenyl	0.00351		0.005000		70.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00523		0.01000		52.3	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00420		0.005000		83.9	39.9	106		0	50	
Surr: Phenol-d5	0.00345		0.01000		34.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00482		0.005000		96.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: LCS-T100831-1		SampType: LCS		Units: µg/L		Prep Date: 8/31/2010			RunNo: 139640		
Client ID: ZZZZZZ		Batch ID: 62805		SW5030		Analysis Date: 8/31/2010			SeqNo: 2720310		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Toluene
Ethylbenzene
Xylenes, Total
Surr: 1,2-Dichloroethane-d4
Surr: 4-Bromofluorobenzene
Surr: Dibromofluoromethane
Surr: Toluene-d8

50.1
46.0
45.9
145
50.6
49.7
48.5
49.7

2.0
5.0
5.0
5.0

50.00
50.00
50.00
150.0
50.00
50.00
50.00
50.00

0
0
0
0

100.1
92.0
91.8
96.4
101.2
99.5
97.0
99.4

82.7
79.6
83
80.3
74.7
86
81.7
84.3

117
116
113
120
129
119
123
114

Sample ID: LCSD-T100831-1		SampType: LCSD		Units: µg/L		Prep Date: 8/31/2010		RunNo: 139640			
Client ID: ZZZZZZ		Batch ID: 62805		SW5030		Analysis Date: 8/31/2010		SeqNo: 2720311			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Toluene
Ethylbenzene
Xylenes, Total
Surr: 1,2-Dichloroethane-d4
Surr: 4-Bromofluorobenzene
Surr: Dibromofluoromethane
Surr: Toluene-d8

48.8
44.8
45.3
141
51.2
49.6
48.9
50.3

2.0
5.0
5.0
5.0

50.00
50.00
50.00
150.0
50.00
50.00
50.00
50.00

0
0
0
0

97.6
89.6
90.6
93.8
102.3
99.2
97.8
100.6

82.7
79.6
83
80.3
74.7
86
81.7
84.3

117
116
113
120
129
119
123
114

50.06
46.00
45.88
144.6

2.55
2.67
1.29
2.78
0
0
0
0

20
20
20
0
0
0
0
0

Sample ID: MBLK-T100831-1		SampType: MBLK		Units: µg/L		Prep Date: 8/31/2010		RunNo: 139640			
Client ID: ZZZZZZ		Batch ID: 62805		SW5030		Analysis Date: 8/31/2010		SeqNo: 2720312			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene
Toluene
Ethylbenzene
Xylenes, Total

ND
ND
ND
ND

2.0
5.0
5.0
5.0

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10081265

Report Date: 07-Sep-10

Sample ID: MBLK-T100831-1	SampType: MBLK	Units: µg/L				Prep Date: 8/31/2010			RunNo: 139640		
Client ID: ZZZZZZ	Batch ID: 62805	SW5030				Analysis Date: 8/31/2010			SeqNo: 2720312		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.5	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.3	86	119				
Surr: Dibromofluoromethane	48.0		50.00		95.9	81.7	123				
Surr: Toluene-d8	49.4		50.00		98.9	84.3	114				

Sample ID: 10081265-001EMS	SampType: MS	Units: µg/L				Prep Date: 8/31/2010			RunNo: 139640		
Client ID: 2169-treated-8/31/10	Batch ID: 62805	SW5030				Analysis Date: 8/31/2010			SeqNo: 2720315		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.9	2.0	60.00	0	103.1	57.8	125				
Toluene	59.0	5.0	60.00	0	98.4	75.8	123				
Ethylbenzene	59.9	5.0	60.00	0	99.8	72.8	123				
Xylenes, Total	124	5.0	120.0	0	103.2	73	127				
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.4	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119				
Surr: Dibromofluoromethane	47.1		50.00		94.2	81.7	123				
Surr: Toluene-d8	48.9		50.00		97.8	84.3	114				

Sample ID: 10081265-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 8/31/2010			RunNo: 139640		
Client ID: 2169-treated-8/31/10	Batch ID: 62805	SW5030				Analysis Date: 8/31/2010			SeqNo: 2720316		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.7	2.0	60.00	0	102.8	57.8	125	61.86	0.275	20	
Toluene	59.2	5.0	60.00	0	98.7	75.8	123	59.04	0.321	20	
Ethylbenzene	60.6	5.0	60.00	0	101.0	72.8	123	59.86	1.25	20	
Xylenes, Total	127	5.0	120.0	0	105.5	73	127	123.8	2.27	20	
Surr: 1,2-Dichloroethane-d4	51.4		50.00		102.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.0		50.00		102.0	86	119		0	0	
Surr: Dibromofluoromethane	47.7		50.00		95.4	81.7	123		0	0	
Surr: Toluene-d8	49.5		50.00		99.0	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10081265

Report Date: 07-Sep-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

31-Aug-10

Dawn Brantley

Reviewed by:

On:

31-Aug-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

59781265

[illegible]

September 07, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10090054

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 9/1/2010 4:01:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads 'Heather A. White'.

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10090054

Report Date: 07-Sep-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10090054-001	4091-treated-9/1/10	5	9/1/2010 1:00:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10090054

Report Date: 07-Sep-10

Cooler Receipt Temp: 13.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10090054

Lab ID: 10090054-001

Report Date: 07-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-9/1/10

Collection Date: 9/1/2010 1:00:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.66		1	9/2/2010 3:11:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	9/2/2010 9:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		6	mg/L	1	9/1/2010 5:10:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	9/2/2010 11:05:40 AM	LAL
Barium	NELAP	0.0050		0.129	mg/L	1	9/2/2010 11:05:40 AM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	9/2/2010 11:05:40 AM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	9/2/2010 11:05:40 AM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	9/2/2010 11:05:40 AM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	9/2/2010 11:05:40 AM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	9/3/2010 1:04:00 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Fluoranthene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Fluorene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Naphthalene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Phenanthrene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Pyrene	NELAP	0.00010		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	9/2/2010 12:34:00 PM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		94.2	%REC	1	9/2/2010 12:34:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		52.3	%REC	1	9/2/2010 12:34:00 PM	DMH
Surr: Nitrobenzene-d5		37.6-105		92.5	%REC	1	9/2/2010 12:34:00 PM	DMH
Surr: Phenol-d5		11-42.8		33.9	%REC	1	9/2/2010 12:34:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		105.1	%REC	1	9/2/2010 12:34:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP
WorkOrder: 10090054
Lab ID: 10090054-001
Report Date: 07-Sep-10

Client Project: A831-735002-012901-225/Ameren C
Client Sample ID: 4091-treated-9/1/10
Collection Date: 9/1/2010 1:00:00 PM
Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	9/1/2010 5:06:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	9/1/2010 5:06:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	9/1/2010 5:06:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	9/1/2010 5:06:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		95.1	%REC	1	9/1/2010 5:06:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		101.4	%REC	1	9/1/2010 5:06:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		97.2	%REC	1	9/1/2010 5:06:00 PM	CCF
Surr: Toluene-d8		84.3-114		93.4	%REC	1	9/1/2010 5:06:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	9/2/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		< 0.070	mg/L	10	9/2/2010 8:22:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.156	mg/L	10	9/2/2010 8:22:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10090054-001A	4091-treated-9/1/10	9/1/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	9/2/2010 9:28:01 AM	9/2/2010 12:34:00 PM
10090054-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		9/2/2010 3:11:00 PM
				Standard Methods 18th Ed. 2540 D		9/2/2010 9:30:00 AM
				Standard Methods 18th Ed. 5210 B	9/1/2010 5:10:00 PM	9/1/2010 5:10:00 PM
10090054-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	9/1/2010 5:32:00 PM	9/2/2010 11:05:40 AM
				SW-846 3020A, Metals by GFAA (Total)	9/1/2010 5:31:00 PM	9/2/2010 4:14:06 PM
				SW-846 3020A, Metals by GFAA (Total)	9/3/2010 8:08:57 AM	9/3/2010 1:04:00 PM
				SW-846 7470A (Total)	9/2/2010 8:50:47 AM	9/2/2010
10090054-001D				SW-846 9012A		9/2/2010 8:22:00 AM
				SW-846 9012A (Total)		9/2/2010 8:22:00 AM
10090054-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		9/1/2010 5:06:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10090054

Report Date: 07-Sep-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R139728		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 139728		
Client ID: ZZZZZZ		Batch ID: R139728					Analysis Date: 9/2/2010			SeqNo: 2722584	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
------------------------	-----	---	--	--	--	--	--	--	--	--	--

Sample ID: LCS-R139728		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139728		
Client ID: ZZZZZZ		Batch ID: R139728			Analysis Date: 9/2/2010			SeqNo: 2722585				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Sample ID: 10090054-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 139728		
Client ID: 4091-treated-9/1/10D		Batch ID: R139728					Analysis Date: 9/2/2010			SeqNo: 2722599	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCS-R139728		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139728		
Client ID: ZZZZZZ		Batch ID: R139728			Analysis Date: 9/2/2010			SeqNo: 2722600				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
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Sample ID: LCS-R139728		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 139728		
Client ID: ZZZZZZ		Batch ID: R139728			Analysis Date: 9/2/2010			SeqNo: 2722628				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	103	6	100.0	0	103.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCS-R139728	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 139728			
Client ID: ZZZZZZ	Batch ID: R139728				Analysis Date: 9/2/2010			SeqNo: 2722671			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	94	6	100.0	0	94.0	85	115				

Sample ID: MB-R139728	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 139728			
Client ID: ZZZZZZ	Batch ID: R139728				Analysis Date: 9/2/2010			SeqNo: 2722680			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCS-R139734		SampType: LCS			Units:		Prep Date:			RunNo: 139734		
Client ID: ZZZZZZ		Batch ID: R139734			Analysis Date: 9/2/2010			SeqNo: 2722855				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10090054-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 139734		
Client ID: 4091-treated-9/1/10D		Batch ID: R139734				Analysis Date: 9/2/2010			SeqNo: 2722857		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.70	1.00						7.660	0.521	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCS-62843	SampType: LCS	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139810		
Client ID: ZZZZZZ	Batch ID: 62843	SOP 2030				Analysis Date: 9/1/2010			SeqNo: 2724446		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	201	5	198.0	0	101.5	84.6	115.4				

Sample ID: 10090054-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139810		
Client ID: 4091-treated-9/1/10D	Batch ID: 62843	SOP 2030				Analysis Date: 9/1/2010			SeqNo: 2724473		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	6	5						6.000	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-62834		SampType: MBLK			Units: mg/L		Prep Date: 9/1/2010			RunNo: 139764		
Client ID: ZZZZZZ		Batch ID: 62834			SOP 3034		Analysis Date: 9/3/2010			SeqNo: 2724349		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
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Sample ID: LCS-62834		SampType: LCS			Units: mg/L		Prep Date: 9/1/2010			RunNo: 139764		
Client ID: ZZZZZZ		Batch ID: 62834			SOP 3034		Analysis Date: 9/3/2010			SeqNo: 2724351		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	0.0485	0.0020	0.05000	0	97.0	85	115				
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Sample ID: MB-62834	SampType: MBLK	Units: mg/L			Prep Date: 9/1/2010			RunNo: 139820			
Client ID: ZZZZZZ	Batch ID: 62834	SOP 3034			Analysis Date: 9/7/2010			SeqNo: 2724943			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
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Sample ID: LCS-62834		SampType: LCS			Units: mg/L		Prep Date: 9/1/2010			RunNo: 139820		
Client ID: ZZZZZZ		Batch ID: 62834			SOP 3034		Analysis Date: 9/7/2010			SeqNo: 2724944		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.198	0.0100	0.2000	0	99.2	85	115				
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Sample ID: MB-62834		SampType: MBLK		Units: mg/L		Prep Date: 9/1/2010		RunNo: 139705			
Client ID: ZZZZZZ		Batch ID: 62834		SOP 3034		Analysis Date: 9/2/2010		SeqNo: 2722221			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-62834	SampType: MBLK	Units: mg/L				Prep Date: 9/1/2010				RunNo: 139705		
Client ID: ZZZZZZ	Batch ID: 62834	SOP 3034				Analysis Date: 9/2/2010				SeqNo: 2722221		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100					

Sample ID: LCS-62834	SampType: LCS	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139705		
Client ID: ZZZZZZ	Batch ID: 62834	SOP 3034				Analysis Date: 9/2/2010			SeqNo: 2722224		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.1	85	115				
Barium	2.01	0.0050	2.000	0	100.5	85	115				
Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
Chromium	0.218	0.0100	0.2000	0	109.1	85	115				
Selenium	2.09	0.0500	2.000	0	104.4	85	115				
Silver	0.0522	0.0100	0.05000	0	104.4	85	115				

Sample ID: 10090054-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139705		
Client ID: 4091-treated-9/1/10	Batch ID: 62834	SOP 3034				Analysis Date: 9/2/2010			SeqNo: 2722228		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.0250	2.000	0	100.3	75	125				
Barium	1.97	0.0050	2.000	0.1293	91.9	75	125				
Cadmium	0.0468	0.0020	0.05000	0	93.6	75	125				
Chromium	0.207	0.0100	0.2000	0	103.6	75	125				
Selenium	1.99	0.0500	2.000	0	99.4	75	125				
Silver	0.0493	0.0100	0.05000	0	98.6	75	125				

Sample ID: 10090054-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 9/1/2010				RunNo: 139705		
Client ID: 4091-treated-9/1/10	Batch ID: 62834	SOP 3034				Analysis Date: 9/2/2010				SeqNo: 2722229		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	2.06	0.0250	2.000	0	102.8	75	125	2.006	2.41	20		

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: 10090054-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 9/1/2010		RunNo: 139705		
Client ID: 4091-treated-9/1/10		Batch ID: 62834			SOP 3034		Analysis Date: 9/2/2010		SeqNo: 2722229		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	2.06	0.0050	2.000	0.1293	96.4	75	125	1.968	4.47	20	
Cadmium	0.0478	0.0020	0.05000	0	95.6	75	125	0.04680	2.11	20	
Chromium	0.212	0.0100	0.2000	0	105.9	75	125	0.2072	2.20	20	
Selenium	2.08	0.0500	2.000	0	104.0	75	125	1.989	4.52	20	
Silver	0.0498	0.0100	0.05000	0	99.6	75	125	0.04930	1.01	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-62864		SampType: MBLK		Units: mg/L		Prep Date: 9/3/2010			RunNo: 139789		
Client ID: ZZZZZZ		Batch ID: 62864		SOP 3044		Analysis Date: 9/3/2010			SeqNo: 2723965		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-62864		SampType: LCS			Units: mg/L		Prep Date: 9/3/2010			RunNo: 139789		
Client ID: ZZZZZZ		Batch ID: 62864			SOP 3044		Analysis Date: 9/3/2010			SeqNo: 2723967		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0144	0.0020	0.01500	0	95.9	80	120			
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Sample ID: 10090054-001CMS		SampType: MS		Units: mg/L		Prep Date: 9/1/2010		RunNo: 139789			
Client ID: 4091-treated-9/1/10		Batch ID: 62833		SOP 3044		Analysis Date: 9/3/2010		SeqNo: 2723970			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0133	0.0020	0.01500	0	88.9	70	130			
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Sample ID: 10090054-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/1/2010			RunNo: 139789		
Client ID: 4091-treated-9/1/10		Batch ID: 62833		SOP 3044		Analysis Date: 9/3/2010			SeqNo: 2723971		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0137	0.0020	0.01500	0	91.4	70	130	0.01334	2.75	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-62832	SampType: MBLK	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139727		
Client ID: ZZZZZZ	Batch ID: 62832	SOP 3062				Analysis Date: 9/2/2010			SeqNo: 2722582		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00007	0.00020	0.0002000	0	35.0	-100	100				J

Sample ID: LCS-62832	SampType: LCS	Units: mg/L				Prep Date: 9/1/2010			RunNo: 139727		
Client ID: ZZZZZZ	Batch ID: 62832	SOP 3062				Analysis Date: 9/2/2010			SeqNo: 2722604		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00473	0.00020	0.005000	0	94.6	85	115				

Sample ID: 10090054-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/2/2010			RunNo: 139727		
Client ID: 4091-treated-9/1/10	Batch ID: 62832	SOP 3062				Analysis Date: 9/2/2010			SeqNo: 2722684		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00448	0.00020	0.005000	0	89.6	75	125				

Sample ID: 10090054-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 9/2/2010			RunNo: 139727		
Client ID: 4091-treated-9/1/10	Batch ID: 62832	SOP 3062				Analysis Date: 9/2/2010			SeqNo: 2722685		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00445	0.00020	0.005000	0	89.0	75	125	0.004480	0.672	15	

Sample ID: MB-62832	SampType: MBLK	Units: µg/L				Prep Date: 9/1/2010			RunNo: 139727		
Client ID: ZZZZZZ	Batch ID: 62832	SOP 3062				Analysis Date: 9/2/2010			SeqNo: 2722601		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.07	0.20	0.2000	0	35.0	-100	100				J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCS-62832	SampType: LCS	Units: µg/L			Prep Date: 9/1/2010	RunNo: 139727					
Client ID: ZZZZZZ	Batch ID: 62832	SOP 3062			Analysis Date: 9/2/2010	SeqNo: 2722605					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.73	0.20	5.000	0	94.6	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCS-R100901-1		SampType: LCS		Units: µg/L		Prep Date: 9/1/2010		RunNo: 139673			
Client ID: ZZZZZZ		Batch ID: 62827		SW5030		Analysis Date: 9/1/2010		SeqNo: 2721042			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.4	2.0	50.00	0	90.8	82.7	117				
Ethylbenzene	44.1	5.0	50.00	0	88.1	83	113				
Toluene	43.7	5.0	50.00	0	87.4	79.6	116				
Xylenes, Total	132	5.0	150.0	0	88.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	45.5		50.00		91.0	74.7	129				
Surr: 4-Bromofluorobenzene	50.4		50.00		100.9	86	119				
Surr: Dibromofluoromethane	47.0		50.00		94.0	81.7	123				
Surr: Toluene-d8	46.7		50.00		93.3	84.3	114				

Sample ID: LCSD-R100901-1		SampType: LCSD		Units: µg/L		Prep Date: 9/1/2010		RunNo: 139673			
Client ID: ZZZZZZ		Batch ID: 62827		SW5030		Analysis Date: 9/1/2010		SeqNo: 2721043			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.6	2.0	50.00	0	93.3	82.7	117	45.38	2.76	20	
Ethylbenzene	44.8	5.0	50.00	0	89.7	83	113	44.07	1.73	20	
Toluene	44.4	5.0	50.00	0	88.9	79.6	116	43.71	1.63	20	
Xylenes, Total	136	5.0	150.0	0	90.5	80.3	120	132.2	2.63	20	
Surr: 1,2-Dichloroethane-d4	45.3		50.00		90.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.5		50.00		101.0	86	119		0	0	
Surr: Dibromofluoromethane	47.2		50.00		94.3	81.7	123		0	0	
Surr: Toluene-d8	46.8		50.00		93.7	84.3	114		0	0	

Sample ID: MBLK-R100901-1		SampType: MBLK		Units: µg/L		Prep Date: 9/1/2010		RunNo: 139673			
Client ID: ZZZZZZ		Batch ID: 62827		SW5030		Analysis Date: 9/1/2010		SeqNo: 2721044			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MBLK-R100901-1		SampType: MBLK		Units: µg/L		Prep Date: 9/1/2010		RunNo: 139673			
Client ID: ZZZZZZ		Batch ID: 62827		SW5030		Analysis Date: 9/1/2010		SeqNo: 2721044			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	47.3		50.00		94.7	74.7	129				
Surr: 4-Bromofluorobenzene	50.8		50.00		101.5	86	119				
Surr: Dibromofluoromethane	48.5		50.00		97.0	81.7	123				
Surr: Toluene-d8	46.8		50.00		93.6	84.3	114				

Sample ID: 10090054-001EMS		SampType: MS		Units: µg/L		Prep Date: 9/1/2010		RunNo: 139673			
Client ID: 4091-treated-9/1/10		Batch ID: 62827		SW5030		Analysis Date: 9/1/2010		SeqNo: 2722219			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	64.4	2.0	62.00	0	104.0	57.8	125				
Toluene	61.3	5.0	62.00	0	98.9	75.8	123				
Ethylbenzene	61.9	5.0	62.00	0	99.8	72.8	123				
Xylenes, Total	123	5.0	124.0	0	99.6	73	127				
Surr: 1,2-Dichloroethane-d4	46.8		50.00		93.6	74.7	129				
Surr: 4-Bromofluorobenzene	50.4		50.00		100.7	86	119				
Surr: Dibromofluoromethane	47.5		50.00		95.0	81.7	123				
Surr: Toluene-d8	46.4		50.00		92.9	84.3	114				

Sample ID: 10090054-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 9/1/2010			RunNo: 139673		
Client ID: 4091-treated-9/1/10		Batch ID: 62827		SW5030		Analysis Date: 9/1/2010			SeqNo: 2722220		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	64.5	2.0	62.00	0	104.0	57.8	125	64.45	0.0620	20	
Toluene	61.5	5.0	62.00	0	99.1	75.8	123	61.32	0.244	20	
Ethylbenzene	62.2	5.0	62.00	0	100.4	72.8	123	61.87	0.580	20	
Xylenes, Total	123	5.0	124.0	0	99.3	73	127	123.4	0.227	20	
Surr: 1,2-Dichloroethane-d4	47.6		50.00		95.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.8		50.00		101.7	86	119		0	0	
Surr: Dibromofluoromethane	48.6		50.00		97.2	81.7	123		0	0	
Surr: Toluene-d8	47.0		50.00		93.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-62806	SampType: MBLK	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139747			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/2/2010			SeqNo: 2723250			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00368		0.005000		73.5	41.9	97.9				
Surr: Nitrobenzene-d5	0.00414		0.005000		82.9	39.9	106				
Surr: p-Terphenyl-d14	0.00473		0.005000		94.6	53	116				

Sample ID: LCS-62806	SampType: LCS	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139747			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/2/2010			SeqNo: 2723251			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00406	0.00010	0.005000	0	81.1	50.1	103				
Anthracene	0.00443	0.00010	0.005000	0	88.5	57.4	110				
Fluoranthene	0.00448	0.00010	0.005000	0	89.7	60.1	117				
Fluorene	0.00448	0.00010	0.005000	0	89.6	54.1	110				
Naphthalene	0.00388	0.00010	0.005000	0	77.6	36.3	97.1				
Phenanthrene	0.00453	0.00010	0.005000	0	90.6	55.9	107				
Pyrene	0.00468	0.00010	0.005000	0	93.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00369		0.005000		73.8	41.9	97.9				
Surr: Nitrobenzene-d5	0.00427		0.005000		85.5	39.9	106				
Surr: p-Terphenyl-d14	0.00455		0.005000		91.0	53	116				

Sample ID: LCSD-62806	SampType: LCSD	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139747			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/2/2010			SeqNo: 2723252			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCSD-62806	SampType: LCSD	Units: mg/L				Prep Date: 8/31/2010			RunNo: 139747		
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C				Analysis Date: 9/2/2010			SeqNo: 2723252		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00396	0.00010	0.005000	0	79.1	50.1	103	0.004057	2.55	40	
Anthracene	0.00431	0.00010	0.005000	0	86.2	57.4	110	0.004426	2.68	40	
Fluoranthene	0.00430	0.00010	0.005000	0	86.0	60.1	117	0.004484	4.21	40	
Fluorene	0.00424	0.00010	0.005000	0	84.7	54.1	110	0.004479	5.55	40	
Naphthalene	0.00368	0.00010	0.005000	0	73.6	36.3	97.1	0.003880	5.32	40	
Phenanthrene	0.00429	0.00010	0.005000	0	85.7	55.9	107	0.004530	5.54	40	
Pyrene	0.00435	0.00010	0.005000	0	87.0	61.4	116	0.004678	7.29	40	
Surr: 2-Fluorobiphenyl	0.00322		0.005000		64.5	41.9	97.9		0	40	
Surr: Nitrobenzene-d5	0.00372		0.005000		74.4	39.9	106		0	40	
Surr: p-Terphenyl-d14	0.00392		0.005000		78.5	53	116		0	40	

Sample ID: MB-62806	SampType: MBLK	Units: mg/L			Prep Date: 8/31/2010				RunNo: 139683		
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/1/2010				SeqNo: 2721205		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-62806		SampType: MBLK		Units: mg/L		Prep Date: 8/31/2010			RunNo: 139683		
Client ID: ZZZZZZ		Batch ID: 62806		SW3510C		Analysis Date: 9/1/2010			SeqNo: 2721205		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00429		0.005000		85.7	41.9	97.9				
Surr: 2-Fluorophenol	0.00607		0.01000		60.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00489		0.005000		97.9	39.9	106				
Surr: Phenol-d5	0.00390		0.01000		39.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00526		0.005000		105.2	53	116				

Sample ID: LCS-62806		SampType: LCS			Units: mg/L		Prep Date: 8/31/2010			RunNo: 139683		
Client ID: ZZZZZZ		Batch ID: 62806			SW3510C		Analysis Date: 9/1/2010			SeqNo: 2721206		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00386	0.00010	0.005000	0	77.2	50.1	103				
Acenaphthylene	0.00424	0.00010	0.005000	0	84.7	53.3	122				
Anthracene	0.00462	0.00010	0.005000	0	92.3	57.4	110				
Benzo(a)anthracene	0.00419	0.00010	0.005000	0	83.7	56	102				
Benzo(a)pyrene	0.00504	0.00010	0.005000	0	100.8	55.4	125				
Benzo(b)fluoranthene	0.00474	0.00010	0.005000	0	94.7	59.3	127				
Benzo(g,h,i)perylene	0.00420	0.00010	0.005000	0	84.0	58.4	125				
Benzo(k)fluoranthene	0.00477	0.00010	0.005000	0	95.4	61.5	125				
Chrysene	0.00465	0.00010	0.005000	0	93.1	58.7	118				
Dibenzo(a,h)anthracene	0.00443	0.00010	0.005000	0	88.6	59.3	126				
Fluoranthene	0.00452	0.00010	0.005000	0	90.3	60.1	117				
Fluorene	0.00425	0.00010	0.005000	0	85.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00438	0.00010	0.005000	0	87.5	58.1	123				
Naphthalene	0.00398	0.00010	0.005000	0	79.5	36.3	97.1				
Phenanthrene	0.00445	0.00010	0.005000	0	89.1	55.9	107				
Pyrene	0.00462	0.00010	0.005000	0	92.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.00421		0.005000		84.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00581		0.01000		58.1	16.1	79.2				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: LCS-62806	SampType: LCS	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139683			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/1/2010			SeqNo: 2721206			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.00472		0.005000		94.5	39.9	106				
Surr: Phenol-d5	0.00372		0.01000		37.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00517		0.005000		103.4	53	116				

Sample ID: LCSD-62806	SampType: LCSD	Units: mg/L			Prep Date: 8/31/2010			RunNo: 139683			
Client ID: ZZZZZZ	Batch ID: 62806	SW3510C			Analysis Date: 9/1/2010			SeqNo: 2721207			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00391	0.00010	0.005000	0	78.1	50.1	103	0.003858	1.24	50	
Acenaphthylene	0.00424	0.00010	0.005000	0	84.8	53.3	122	0.004237	0.0472	50	
Anthracene	0.00445	0.00010	0.005000	0	89.0	57.4	110	0.004616	3.62	50	
Benzo(a)anthracene	0.00415	0.00010	0.005000	0	83.1	56	102	0.004187	0.815	50	
Benzo(a)pyrene	0.00493	0.00010	0.005000	0	98.7	55.4	125	0.005039	2.11	50	
Benzo(b)fluoranthene	0.00449	0.00010	0.005000	0	89.9	59.3	127	0.004737	5.29	50	
Benzo(g,h,i)perylene	0.00411	0.00010	0.005000	0	82.2	58.4	125	0.004199	2.14	50	
Benzo(k)fluoranthene	0.00452	0.00010	0.005000	0	90.3	61.5	125	0.004769	5.45	50	
Chrysene	0.00468	0.00010	0.005000	0	93.6	58.7	118	0.004653	0.579	50	
Dibenzo(a,h)anthracene	0.00434	0.00010	0.005000	0	86.9	59.3	126	0.004430	1.96	50	
Fluoranthene	0.00454	0.00010	0.005000	0	90.8	60.1	117	0.004517	0.464	50	
Fluorene	0.00410	0.00010	0.005000	0	81.9	54.1	110	0.004252	3.74	50	
Indeno(1,2,3-cd)pyrene	0.00428	0.00010	0.005000	0	85.6	58.1	123	0.004376	2.19	50	
Naphthalene	0.00370	0.00010	0.005000	0	73.9	36.3	97.1	0.003976	7.33	50	
Phenanthrene	0.00433	0.00010	0.005000	0	86.7	55.9	107	0.004454	2.73	50	
Pyrene	0.00448	0.00010	0.005000	0	89.5	61.4	116	0.004625	3.27	50	
Surr: 2-Fluorobiphenyl	0.00351		0.005000		70.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00523		0.01000		52.3	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00420		0.005000		83.9	39.9	106		0	50	
Surr: Phenol-d5	0.00345		0.01000		34.5	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00482		0.005000		96.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10090054

Report Date: 07-Sep-10

Sample ID: MB-R139691	SampType: MBLK	Units: mg/L			Prep Date:				RunNo: 139691		
Client ID: ZZZZZZ	Batch ID: R139691				Analysis Date: 9/1/2010				SeqNo: 2721972		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R139691	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 139691		
Client ID: ZZZZZZ	Batch ID: R139691					Analysis Date: 9/1/2010				SeqNo: 2721973		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.024	0.007	0.02500	0	96.9	85	115					

Sample ID: 10090054-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 139691		
Client ID: 4091-treated-9/1/10		Batch ID: R139691						Analysis Date: 9/2/2010			SeqNo: 2722124	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.162	0.070	0.02500	0.1564	22.7	75	125				S	

Sample ID: 10090054-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 139691		
Client ID: 4091-treated-9/1/10		Batch ID: R139691					Analysis Date: 9/2/2010			SeqNo: 2722125	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.171	0.070	0.02500	0.1564	56.5	75	125	0.1621	5.09	15	S

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10090054

Report Date: 07-Sep-10

Carrier: Jack Gardner

Received By: DB

Completed by:

On:

01-Sep-10

Timothy W. Mathis

Reviewed by:

On:

02-Sep-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 13.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

COC Serial No. **B** 09920

Project Name: Ameren Campaign Project Mgr.: Pete Szazana

Project Number: 684-0908-0120 Cost Code: 5002

Sampler(s): J. Crompton

Laboratory Name: Tecklab

Location: Collinsville

Sample Number and (depth) 4091 - treated - 9/1/10 Date 9/1/10 Time 1300

Matrix	Total Number of Containers			
	Soil	Water	Air	Wipes
Other *				

Analyses by Method Name and Number				
BTX 8/60	X			
SVOC - 8720 sm	X			
PCPA Met's	X			
Total + Extractable	X			
TSS	X			
PH	X			
BOD ₅	X			

Comments (Field PID) 1090054001

Lab ID #'s 1090054001

Laboratory Temperature upon Receipt 13.2

Res. OK TWM

gheadgman

1 DAY

Samples Iced: ☒ Yes ☐ No	Lab Directives: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Preservatives (ONLY for Water Samples) ☒ Volatile Organics Hydrochloric acid (HCl) ☐ VOC Soil (5035) Sodium Bisulfate/Methanol ☐ TPH Hydrochloric acid and/or Sulfuric acid ☒ Metals Nitric acid (HNO ₃) ☒ Cyanide Sodium hydroxide (NaOH) ☐ Other (Specify)	Requested TAT: _____ Fax and/or Mail Results to: <u>Pete Szazana and Leslie Housler</u> Send Invoice to: _____ QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other Special Guidelines: _____ Reporting Limits: _____ * Special: _____

Shipping:	Relinquished by:	Received by:
Carrier / Airbill No. _____	Signature _____ Date <u>9-1-10</u> Time <u>1310</u>	Signature _____ Date <u>9/1/10</u> Time <u>1601</u>

September 16, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10090418

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 9/10/2010 11:55:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090418

Report Date: 16-Sep-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10090418-001	6785-treated-9/9/10	5	9/9/2010 1:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10090418

Report Date: 16-Sep-10

Cooler Receipt Temp: 2.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	MI - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	DNI - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	IDPH - IL Dept. of Public Health	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10090418

Lab ID: 10090418-001

Report Date: 16-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-9/9/10

Collection Date: 9/9/2010 1:30:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.48		1	9/10/2010 5:00:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	9/13/2010 10:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		7	mg/L	1	9/10/2010 4:20:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	9/13/2010 1:33:19 PM	LAL
Barium	NELAP	0.0050		0.103	mg/L	1	9/13/2010 1:33:19 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	9/13/2010 1:33:19 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	9/13/2010 1:33:19 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	9/13/2010 1:33:19 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	9/13/2010 1:33:19 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	9/13/2010 12:21:20 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Fluoranthene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Fluorene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Naphthalene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Phenanthrene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Pyrene	NELAP	0.00010		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	9/13/2010 1:20:00 PM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		71.4	%REC	1	9/13/2010 1:20:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		39.5	%REC	1	9/13/2010 1:20:00 PM	DMH
Surr: Nitrobenzene-d5		37.6-105		70.6	%REC	1	9/13/2010 1:20:00 PM	DMH
Surr: Phenol-d5		11-42.8		24.1	%REC	1	9/13/2010 1:20:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		79.5	%REC	1	9/13/2010 1:20:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10090418

Lab ID: 10090418-001

Report Date: 16-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-9/9/10

Collection Date: 9/9/2010 1:30:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	9/10/2010 2:16:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	9/10/2010 2:16:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	9/10/2010 2:16:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	9/10/2010 2:16:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		101.2	%REC	1	9/10/2010 2:16:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		101.4	%REC	1	9/10/2010 2:16:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		103.8	%REC	1	9/10/2010 2:16:00 PM	CCF
Surr: Toluene-d8		84.3-114		97.5	%REC	1	9/10/2010 2:16:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	9/13/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.028		0.074	mg/L	4	9/14/2010 8:35:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028	S	0.148	mg/L	4	9/14/2010 8:35:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Results of MS/MSD have less certainty because value(s) exceed upper quantitation limits.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10090418-001A	6785-treated-9/9/10	9/9/2010	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	9/10/2010 3:56:32 PM	9/13/2010 1:20:00 PM
10090418-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		9/10/2010 5:00:00 PM
				Standard Methods 18th Ed. 2540 D		9/13/2010 10:00:00 AM
				Standard Methods 18th Ed. 5210 B	9/10/2010 4:20:00 PM	9/10/2010 4:20:00 PM
10090418-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	9/10/2010 1:22:48 PM	9/13/2010 1:33:19 PM
				SW-846 3020A, Metals by GFAA (Total)	9/10/2010 2:03:46 PM	9/13/2010 12:21:20 PM
				SW-846 7470A (Total)	9/13/2010 8:28:54 AM	9/13/2010
10090418-001D				SW-846 9012A		9/14/2010 8:35:00 AM
				SW-846 9012A (Total)		9/14/2010 8:35:00 AM
10090418-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		9/10/2010 2:16:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090418

Report Date: 16-Sep-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: LCS-R140094		SampType: LCS		Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094					Analysis Date: 9/13/2010			SeqNo: 2731279	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	103	6	100.0	0	103.0	85	115				
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Sample ID: LCS-R140094		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094			Analysis Date: 9/13/2010			SeqNo: 2731300				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: 10090418-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: 6785-treated-9/9/10D		Batch ID: R140094		Analysis Date: 9/13/2010			SeqNo: 2731315				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	6	6					5.000	0	15	J
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Sample ID: LCS-R140094		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094			Analysis Date: 9/13/2010			SeqNo: 2731316				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	102	6	100.0	0	102.0	85	115				
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Sample ID: LCS-R140094		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094			Analysis Date: 9/13/2010			SeqNo: 2731330				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MB-R140094		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094			Analysis Date: 9/13/2010			SeqNo: 2731331				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6
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Sample ID: MB-R140094		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094			Analysis Date: 9/13/2010			SeqNo: 2731267				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	2	2
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Sample ID: LCS-R140094		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140094		
Client ID: ZZZZZZ		Batch ID: R140094			Analysis Date: 9/13/2010			SeqNo: 2731268				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	100	2	100.0	0	100	85	115
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: LCS-R140041		SampType: LCS			Units:		Prep Date:			RunNo: 140041		
Client ID: ZZZZZZ		Batch ID: R140041			Analysis Date: 9/10/2010			SeqNo: 2730019				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10090418-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 140041		
Client ID: 6785-treated-9/9/10D		Batch ID: R140041				Analysis Date: 9/10/2010			SeqNo: 2730081		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.52	1.00						8.480	0.471	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: LCS-63026		SampType: LCS			Units: mg/L		Prep Date: 9/10/2010			RunNo: 140191		
Client ID: ZZZZZZ		Batch ID: 63026			SOP 2030		Analysis Date: 9/10/2010			SeqNo: 2733596		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Biochemical Oxygen Demand	192	5	198.0	0	97.0	84.6	115.4				
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Sample ID: 10090418-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 9/10/2010			RunNo: 140191		
Client ID: 6785-treated-9/9/10D		Batch ID: 63026		SOP 2030		Analysis Date: 9/10/2010			SeqNo: 2733617		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	7	5						7.000	0	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MB-63015	SampType: MBLK	Units: mg/L			Prep Date: 9/10/2010			RunNo: 140071			
Client ID: ZZZZZZ	Batch ID: 63015	SOP 3034			Analysis Date: 9/13/2010			SeqNo: 2731065			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63015	SampType: LCS	Units: mg/L				Prep Date: 9/10/2010			RunNo: 140071		
Client ID: ZZZZZZ	Batch ID: 63015	SOP 3034				Analysis Date: 9/13/2010			SeqNo: 2731067		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.99	0.0250	2.000	0	99.7	85	115				
Barium	1.95	0.0050	2.000	0	97.6	85	115				
Cadmium	0.0494	0.0020	0.05000	0	98.8	85	115				
Chromium	0.205	0.0100	0.2000	0	102.4	85	115				
Selenium	2.03	0.0500	2.000	0	101.5	85	115				
Silver	0.0485	0.0100	0.05000	0	97.0	85	115				

Sample ID: 10090418-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/10/2010			RunNo: 140071		
Client ID: 6785-treated-9/9/10	Batch ID: 63015	SOP 3034				Analysis Date: 9/13/2010			SeqNo: 2731069		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.02	0.0250	2.000	0	101.2	75	125				
Barium	1.98	0.0050	2.000	0.1026	93.7	75	125				
Cadmium	0.0471	0.0020	0.05000	0	94.2	75	125				
Chromium	0.200	0.0100	0.2000	0	99.8	75	125				
Selenium	2.07	0.0500	2.000	0	103.4	75	125				
Silver	0.0481	0.0100	0.05000	0	96.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: 10090418-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/10/2010		RunNo: 140071			
Client ID: 6785-treated-9/9/10		Batch ID: 63015		SOP 3034		Analysis Date: 9/13/2010		SeqNo: 2731070			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.02	0.0250	2.000	0	101.2	75	125	2.024	0.0494	20	
Barium	1.98	0.0050	2.000	0.1026	93.7	75	125	1.976	0.0506	20	
Cadmium	0.0469	0.0020	0.05000	0	93.8	75	125	0.04710	0.426	20	
Chromium	0.201	0.0100	0.2000	0	100.7	75	125	0.1995	0.948	20	
Selenium	2.09	0.0500	2.000	0	104.4	75	125	2.069	0.866	20	
Silver	0.0488	0.0100	0.05000	0	97.6	75	125	0.04810	1.44	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MB-63016		SampType: MBLK		Units: mg/L		Prep Date: 9/10/2010			RunNo: 140089		
Client ID: ZZZZZZ		Batch ID: 63016		SOP 3044		Analysis Date: 9/13/2010			SeqNo: 2731212		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-63016		SampType: LCS			Units: mg/L		Prep Date: 9/10/2010			RunNo: 140089		
Client ID: ZZZZZZ		Batch ID: 63016			SOP 3044		Analysis Date: 9/13/2010			SeqNo: 2731213		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0167	0.0020	0.01500	0	111.4	80	120			
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Sample ID: 10090418-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/10/2010			RunNo: 140089		
Client ID: 6785-treated-9/9/10		Batch ID: 63016		SOP 3044		Analysis Date: 9/13/2010			SeqNo: 2731218		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0137	0.0020	0.01500	0	91.5	70	130	0.01381	0.632	20
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Sample ID: 10090418-001CMS		SampType: MS		Units: mg/L		Prep Date: 9/10/2010			RunNo: 140089		
Client ID: 6785-treated-9/9/10		Batch ID: 63016		SOP 3044		Analysis Date: 9/13/2010			SeqNo: 2731225		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0138	0.0020	0.01500	0	92.1	70	130			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MB-63044	SampType: MBLK	Units: mg/L				Prep Date: 9/13/2010			RunNo: 140085		
Client ID: ZZZZZZ	Batch ID: 63044	SOP 3062				Analysis Date: 9/13/2010			SeqNo: 2731020		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63044	SampType: LCS	Units: mg/L				Prep Date: 9/13/2010			RunNo: 140085		
Client ID: ZZZZZZ	Batch ID: 63044	SOP 3062				Analysis Date: 9/13/2010			SeqNo: 2731021		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00461	0.00020	0.005000	0	92.2	85	115				

Sample ID: MB-63044	SampType: MBLK	Units: mg/L				Prep Date: 9/13/2010			RunNo: 140085		
Client ID: ZZZZZZ	Batch ID: 63044	SOP 3062				Analysis Date: 9/13/2010			SeqNo: 2731017		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63044	SampType: LCS	Units: mg/L				Prep Date: 9/13/2010			RunNo: 140085		
Client ID: ZZZZZZ	Batch ID: 63044	SOP 3062				Analysis Date: 9/13/2010			SeqNo: 2731018		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00461	0.00020	0.005000	0	92.2	85	115				

Sample ID: 10090418-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/13/2010			RunNo: 140085		
Client ID: 6785-treated-9/9/10	Batch ID: 63044	SOP 3062				Analysis Date: 9/13/2010			SeqNo: 2731023		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00431	0.00020	0.005000	0	86.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: 10090418-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/13/2010		RunNo: 140085			
Client ID: 6785-treated-9/9/10		Batch ID: 63044		SOP 3062		Analysis Date: 9/13/2010		SeqNo: 2731024			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00434	0.00020	0.005000	0	86.8	75	125	0.004310	0.694	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: LCS-R100910-1	SampType: LCS	Units: µg/L			Prep Date: 9/10/2010			RunNo: 140086			
Client ID: ZZZZZZ	Batch ID: 63048	SW5030			Analysis Date: 9/10/2010			SeqNo: 2731026			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.2	2.0	50.00	0	92.5	82.7	117				
Ethylbenzene	45.4	5.0	50.00	0	90.8	83	113				
Toluene	45.6	5.0	50.00	0	91.1	79.6	116				
Xylenes, Total	135	5.0	150.0	0	89.9	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.2		50.00		100.4	74.7	129				
Surr: 4-Bromofluorobenzene	51.2		50.00		102.3	86	119				
Surr: Dibromofluoromethane	52.5		50.00		104.9	81.7	123				
Surr: Toluene-d8	47.8		50.00		95.6	84.3	114				

Sample ID: LCSD-R100910-1	SampType: LCSD	Units: µg/L			Prep Date: 9/10/2010			RunNo: 140086			
Client ID: ZZZZZZ	Batch ID: 63048	SW5030			Analysis Date: 9/10/2010			SeqNo: 2731027			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.3	2.0	50.00	0	96.6	82.7	117	46.24	4.34	20	
Ethylbenzene	46.3	5.0	50.00	0	92.5	83	113	45.40	1.90	20	
Toluene	47.3	5.0	50.00	0	94.7	79.6	116	45.57	3.79	20	
Xylenes, Total	140	5.0	150.0	0	93.1	80.3	120	134.8	3.53	20	
Surr: 1,2-Dichloroethane-d4	49.7		50.00		99.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.7		50.00		101.4	86	119		0	0	
Surr: Dibromofluoromethane	52.1		50.00		104.2	81.7	123		0	0	
Surr: Toluene-d8	48.6		50.00		97.1	84.3	114		0	0	

Sample ID: MBLK-R100910-1	SampType: MBLK	Units: µg/L			Prep Date: 9/10/2010			RunNo: 140086			
Client ID: ZZZZZZ	Batch ID: 63048	SW5030			Analysis Date: 9/10/2010			SeqNo: 2731028			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MBLK-R100910-1		SampType: MBLK		Units: µg/L		Prep Date: 9/10/2010		RunNo: 140086			
Client ID: ZZZZZZ		Batch ID: 63048		SW5030		Analysis Date: 9/10/2010		SeqNo: 2731028			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	50.4		50.00		100.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.5		50.00		102.9	86	119				
Surr: Dibromofluoromethane	52.1		50.00		104.2	81.7	123				
Surr: Toluene-d8	48.3		50.00		96.6	84.3	114				

Sample ID: 10090418-001EMS		SampType: MS		Units: µg/L		Prep Date: 9/10/2010		RunNo: 140086			
Client ID: 6785-treated-9/9/10		Batch ID: 63048		SW5030		Analysis Date: 9/10/2010		SeqNo: 2731031			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	58.7	2.0	62.00	0	94.7	57.8	125				
Toluene	62.1	5.0	62.00	0	100.2	75.8	123				
Ethylbenzene	62.5	5.0	62.00	0	100.8	72.8	123				
Xylenes, Total	124	5.0	124.0	0	100.2	73	127				
Surr: 1,2-Dichloroethane-d4	50.3		50.00		100.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.0		50.00		102.1	86	119				
Surr: Dibromofluoromethane	51.2		50.00		102.4	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.6	84.3	114				

Sample ID: 10090418-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 9/10/2010			RunNo: 140086		
Client ID: 6785-treated-9/9/10		Batch ID: 63048		SW5030		Analysis Date: 9/10/2010			SeqNo: 2731032		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	58.9	2.0	62.00	0	95.0	57.8	125	58.73	0.255	20	
Toluene	61.8	5.0	62.00	0	99.6	75.8	123	62.11	0.533	20	
Ethylbenzene	62.4	5.0	62.00	0	100.7	72.8	123	62.48	0.0961	20	
Xylenes, Total	125	5.0	124.0	0	101.0	73	127	124.2	0.810	20	
Surr: 1,2-Dichloroethane-d4	50.9		50.00		101.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.2		50.00		102.4	86	119		0	0	
Surr: Dibromofluoromethane	51.4		50.00		102.9	81.7	123		0	0	
Surr: Toluene-d8	48.0		50.00		96.1	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MB-63018		SampType: MBLK		Units: mg/L		Prep Date: 9/10/2010			RunNo: 140084		
Client ID: ZZZZZZ		Batch ID: 63018		SW3510C		Analysis Date: 9/13/2010			SeqNo: 2730939		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00371		0.005000		74.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00530		0.01000		53.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00390		0.005000		78.0	39.9	106				
Surr: Phenol-d5	0.00320		0.01000		32.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00456		0.005000		91.2	53	116				

Sample ID: LCS-63018		SampType: LCS		Units: mg/L		Prep Date: 9/10/2010			RunNo: 140084		
Client ID: ZZZZZZ		Batch ID: 63018		SW3510C		Analysis Date: 9/13/2010			SeqNo: 2730940		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00415	0.00010	0.005000	0	83.0	50.1	103				
Acenaphthylene	0.00437	0.00010	0.005000	0	87.3	53.3	122				
Anthracene	0.00417	0.00010	0.005000	0	83.5	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: LCS-63018		SampType: LCS		Units: mg/L		Prep Date: 9/10/2010		RunNo: 140084			
Client ID: ZZZZZZ		Batch ID: 63018		SW3510C		Analysis Date: 9/13/2010		SeqNo: 2730940			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00389	0.00010	0.005000	0	77.8	56	102				
Benzo(a)pyrene	0.00400	0.00010	0.005000	0	79.9	55.4	125				
Benzo(b)fluoranthene	0.00496	0.00010	0.005000	0	99.2	59.3	127				
Benzo(g,h,i)perylene	0.00423	0.00010	0.005000	0	84.7	58.4	125				
Benzo(k)fluoranthene	0.00413	0.00010	0.005000	0	82.6	61.5	125				
Chrysene	0.00419	0.00010	0.005000	0	83.8	58.7	118				
Dibenzo(a,h)anthracene	0.00423	0.00010	0.005000	0	84.6	59.3	126				
Fluoranthene	0.00433	0.00010	0.005000	0	86.7	60.1	117				
Fluorene	0.00427	0.00010	0.005000	0	85.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00418	0.00010	0.005000	0	83.7	58.1	123				
Naphthalene	0.00400	0.00010	0.005000	0	80.1	36.3	97.1				
Phenanthrene	0.00424	0.00010	0.005000	0	84.7	55.9	107				
Pyrene	0.00430	0.00010	0.005000	0	85.9	61.4	116				
Surr: 2-Fluorobiphenyl	0.00395		0.005000		79.0	41.9	97.9				
Surr: 2-Fluorophenol	0.00509		0.01000		50.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00409		0.005000		81.8	39.9	106				
Surr: Phenol-d5	0.00326		0.01000		32.6	9.94	53.7				
Surr: p-Terphenyl-d14	0.00451		0.005000		90.3	53	116				

Sample ID: LCSD-63018		SampType: LCSD		Units: mg/L		Prep Date: 9/10/2010		RunNo: 140084			
Client ID: ZZZZZZ		Batch ID: 63018		SW3510C		Analysis Date: 9/13/2010		SeqNo: 2730941			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00383	0.00010	0.005000	0	76.7	50.1	103	0.004151	7.97	50	
Acenaphthylene	0.00392	0.00010	0.005000	0	78.3	53.3	122	0.004367	10.9	50	
Anthracene	0.00388	0.00010	0.005000	0	77.5	57.4	110	0.004174	7.43	50	
Benzo(a)anthracene	0.00368	0.00010	0.005000	0	73.6	56	102	0.003890	5.58	50	
Benzo(a)pyrene	0.00390	0.00010	0.005000	0	78.0	55.4	125	0.003996	2.38	50	
Benzo(b)fluoranthene	0.00446	0.00010	0.005000	0	89.2	59.3	127	0.004958	10.6	50	
Benzo(g,h,i)perylene	0.00384	0.00010	0.005000	0	76.8	58.4	125	0.004233	9.76	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: LCSD-63018	SampType: LCSD	Units: mg/L				Prep Date: 9/10/2010			RunNo: 140084		
Client ID: ZZZZZZ	Batch ID: 63018	SW3510C				Analysis Date: 9/13/2010			SeqNo: 2730941		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00377	0.00010	0.005000	0	75.3	61.5	125	0.004129	9.20	50	
Chrysene	0.00392	0.00010	0.005000	0	78.4	58.7	118	0.004189	6.66	50	
Dibenzo(a,h)anthracene	0.00390	0.00010	0.005000	0	78.0	59.3	126	0.004231	8.12	50	
Fluoranthene	0.00397	0.00010	0.005000	0	79.4	60.1	117	0.004333	8.79	50	
Fluorene	0.00381	0.00010	0.005000	0	76.3	54.1	110	0.004272	11.4	50	
Indeno(1,2,3-cd)pyrene	0.00386	0.00010	0.005000	0	77.1	58.1	123	0.004183	8.16	50	
Naphthalene	0.00364	0.00010	0.005000	0	72.7	36.3	97.1	0.004005	9.66	50	
Phenanthrene	0.00388	0.00010	0.005000	0	77.6	55.9	107	0.004237	8.82	50	
Pyrene	0.00397	0.00010	0.005000	0	79.3	61.4	116	0.004297	8.01	50	
Surr: 2-Fluorobiphenyl	0.00361		0.005000		72.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00477		0.01000		47.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00365		0.005000		72.9	39.9	106		0	50	
Surr: Phenol-d5	0.00296		0.01000		29.6	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00399		0.005000		79.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10090418

Report Date: 16-Sep-10

Sample ID: MB-R140135		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732398				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R140135		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732399				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.026	0.007	0.02500	0	105.7	90	110				
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Sample ID: MB-R140135		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732200				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R140135		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732201				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.026	0.007	0.02500	0	105.7	85	115				
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Sample ID: 10090418-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: 6785-treated-9/9/10		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732204				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.209	0.028	0.02500	0.1483	243.1	75	125				SE
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090418

Report Date: 16-Sep-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: 10090418-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 140135			
Client ID: 6785-treated-9/9/10		Batch ID: R140135				Analysis Date: 9/14/2010		SeqNo: 2732205			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.209	0.028	0.02500	0.1483	241.1	75	125	0.2090	0.242	15	SE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090418

Report Date: 16-Sep-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

10-Sep-10

Dawn Brantley

Reviewed by:

On:

10-Sep-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 2.0
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

September 20, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10090482

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 9/13/2010 3:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090482

Report Date: 20-Sep-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10090482-001	4091-treated-9/13/10	5	9/13/2010 8:15:00 AM

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CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10090482

Report Date: 20-Sep-10

Cooler Receipt Temp: 4.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10090482

Lab ID: 10090482-001

Report Date: 20-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-9/13/10

Collection Date: 9/13/2010 8:15:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.61		1	9/13/2010 5:06:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	9/14/2010 8:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		8	mg/L	1	9/13/2010 5:10:00 PM	AKG
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	9/14/2010 1:25:56 PM	LAL
Barium	NELAP	0.0050		0.0903	mg/L	1	9/14/2010 1:25:56 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	9/14/2010 1:25:56 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	9/14/2010 1:25:56 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	9/14/2010 1:25:56 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	9/14/2010 1:25:56 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0013	mg/L	1	9/14/2010	HLR
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Anthracene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Chrysene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Fluorene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Naphthalene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Pyrene	NELAP	0.00010		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	9/14/2010 11:32:00 AM	TV
Surr: 2-Fluorobiphenyl		41.1-108		72.4	%REC	1	9/14/2010 11:32:00 AM	TV
Surr: 2-Fluorophenol		16.8-65.9		44.8	%REC	1	9/14/2010 11:32:00 AM	TV
Surr: Nitrobenzene-d5		37.6-105		80.0	%REC	1	9/14/2010 11:32:00 AM	TV
Surr: Phenol-d5		11-42.8		23.7	%REC	1	9/14/2010 11:32:00 AM	TV
Surr: p-Terphenyl-d14		49-113		84.2	%REC	1	9/14/2010 11:32:00 AM	TV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10090482

Lab ID: 10090482-001

Report Date: 20-Sep-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-9/13/10

Collection Date: 9/13/2010 8:15:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	9/13/2010 7:36:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	9/13/2010 7:36:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	9/13/2010 7:36:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	9/13/2010 7:36:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		101.6	%REC	1	9/13/2010 7:36:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		101.3	%REC	1	9/13/2010 7:36:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		101.6	%REC	1	9/13/2010 7:36:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.2	%REC	1	9/13/2010 7:36:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	9/14/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.028		0.057	mg/L	4	9/14/2010 8:35:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028	S	0.196	mg/L	4	9/14/2010 8:35:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

Results of MS/MSD have less certainty because value(s) exceed upper quantitation limits.

ENVIRONMENTAL TESTING LABORATORY

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Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10090482-001A	4091-treated-9/13/10	9/13/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	9/13/2010 9:22:03 PM	9/14/2010 11:32:00 AM
10090482-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		9/13/2010 5:06:00 PM
				Standard Methods 18th Ed. 2540 D		9/14/2010 8:30:00 AM
				Standard Methods 18th Ed. 5210 B	9/13/2010 5:10:00 PM	9/13/2010 5:10:00 PM
10090482-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	9/14/2010 8:16:28 AM	9/14/2010 1:25:56 PM
				SW-846 3020A, Metals by GFAA (Total)	9/14/2010 8:13:10 AM	9/14/2010
				SW-846 7470A (Total)	9/14/2010 8:55:55 AM	9/14/2010
10090482-001D				SW-846 9012A		9/14/2010 8:35:00 AM
				SW-846 9012A (Total)		9/14/2010 8:35:00 AM
10090482-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		9/13/2010 7:36:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090482

Report Date: 20-Sep-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R140143		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 140143		
Client ID: ZZZZZZ		Batch ID: R140143					Analysis Date: 9/14/2010			SeqNo: 2732345	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R140143		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140143		
Client ID: ZZZZZZ		Batch ID: R140143			Analysis Date: 9/14/2010			SeqNo: 2732346				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
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Sample ID: 10090482-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 140143		
Client ID: 4091-treated-9/13/10		Batch ID: R140143					Analysis Date: 9/14/2010			SeqNo: 2732349	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCS-R140143		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140143		
Client ID: ZZZZZZ		Batch ID: R140143			Analysis Date: 9/14/2010			SeqNo: 2732361				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Sample ID: LCS-R140143		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140143		
Client ID: ZZZZZZ		Batch ID: R140143			Analysis Date: 9/14/2010			SeqNo: 2732387				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: LCS-R140143		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 140143			
Client ID: ZZZZZZ		Batch ID: R140143				Analysis Date: 9/14/2010		SeqNo: 2732394			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	100	6	100.0	0	100	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: LCS-R140097		SampType: LCS			Units:		Prep Date:			RunNo: 140097		
Client ID: ZZZZZZ		Batch ID: R140097			Analysis Date: 9/13/2010			SeqNo: 2731364				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 10090482-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 140097		
Client ID: 4091-treated-9/13/10		Batch ID: R140097				Analysis Date: 9/13/2010			SeqNo: 2731488		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.66	1.00						8.610	0.579	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: LCS-63055	SampType: LCS	Units: mg/L			Prep Date: 9/13/2010			RunNo: 140310			
Client ID: ZZZZZZ	Batch ID: 63055	SOP 2030			Analysis Date: 9/13/2010			SeqNo: 2735957			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	197	5	198.0	0	99.5	84.6	115.4				
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Sample ID: 10090482-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 9/13/2010			RunNo: 140310			
Client ID: 4091-treated-9/13/10	Batch ID: 63055	SOP 2030			Analysis Date: 9/13/2010			SeqNo: 2735973			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	9	5						8.000	11.8	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: MB-63058	SampType: MBLK	Units: mg/L			Prep Date: 9/14/2010			RunNo: 140109			
Client ID: ZZZZZZ	Batch ID: 63058	SOP 3034			Analysis Date: 9/14/2010			SeqNo: 2732500			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63058	SampType: LCS	Units: mg/L				Prep Date: 9/14/2010			RunNo: 140109		
Client ID: ZZZZZZ	Batch ID: 63058	SOP 3034				Analysis Date: 9/14/2010			SeqNo: 2732501		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.6	85	115				
Barium	2.01	0.0050	2.000	0	100.5	85	115				
Cadmium	0.0502	0.0020	0.05000	0	100.4	85	115				
Chromium	0.210	0.0100	0.2000	0	105.2	85	115				
Selenium	2.14	0.0500	2.000	0	107.0	85	115				
Silver	0.0518	0.0100	0.05000	0	103.6	85	115				

Sample ID: 10090482-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/14/2010			RunNo: 140109		
Client ID: 4091-treated-9/13/10	Batch ID: 63058	SOP 3034				Analysis Date: 9/14/2010			SeqNo: 2732503		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.4	75	125				
Barium	1.99	0.0050	2.000	0.09030	95.0	75	125				
Cadmium	0.0476	0.0020	0.05000	0	95.2	75	125				
Chromium	0.198	0.0100	0.2000	0	98.8	75	125				
Selenium	2.10	0.0500	2.000	0	105.1	75	125				
Silver	0.0492	0.0100	0.05000	0	98.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: 10090482-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/14/2010		RunNo: 140109			
Client ID: 4091-treated-9/13/10		Batch ID: 63058		SOP 3034		Analysis Date: 9/14/2010		SeqNo: 2732504			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	75	125	2.049	0.971	20	
Barium	1.96	0.0050	2.000	0.09030	93.5	75	125	1.990	1.47	20	
Cadmium	0.0479	0.0020	0.05000	0	95.8	75	125	0.04760	0.628	20	
Chromium	0.200	0.0100	0.2000	0	99.8	75	125	0.1976	1.06	20	
Selenium	2.10	0.0500	2.000	0	104.9	75	125	2.102	0.190	20	
Silver	0.0489	0.0100	0.05000	0	97.8	75	125	0.04920	0.612	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: MB-63057		SampType: MBLK		Units: mg/L		Prep Date: 9/14/2010			RunNo: 140161			
Client ID: ZZZZZZ		Batch ID: 63057		SOP 3044		Analysis Date: 9/14/2010			SeqNo: 2732719			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0005	0.0020	0.002000	0	26.7	-100	100				J

Sample ID: 10090482-001CMS		SampType: MS		Units: mg/L		Prep Date: 9/14/2010			RunNo: 140161			
Client ID: 4091-treated-9/13/10		Batch ID: 63057		SOP 3044		Analysis Date: 9/14/2010			SeqNo: 2732723			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0161	0.0020	0.01500	0.001284	98.6	70	130				

Sample ID: 10090482-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/14/2010			RunNo: 140161			
Client ID: 4091-treated-9/13/10		Batch ID: 63057		SOP 3044		Analysis Date: 9/14/2010			SeqNo: 2732724			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0164	0.0020	0.01500	0.001284	100.5	70	130	0.01607	1.81	20	

Sample ID: LCS-63057		SampType: LCS		Units: mg/L		Prep Date: 9/14/2010			RunNo: 140161			
Client ID: ZZZZZZ		Batch ID: 63057		SOP 3044		Analysis Date: 9/14/2010			SeqNo: 2732739			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0173	0.0020	0.01500	0	115.4	80	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: MB-63067		SampType: MBLK		Units: mg/L		Prep Date: 9/14/2010			RunNo: 140147		
Client ID: ZZZZZZ		Batch ID: 63067		SOP 3062		Analysis Date: 9/14/2010			SeqNo: 2732434		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-63067		SampType: LCS			Units: mg/L		Prep Date: 9/14/2010			RunNo: 140147		
Client ID: ZZZZZZ		Batch ID: 63067			SOP 3062		Analysis Date: 9/14/2010			SeqNo: 2732435		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00460	0.00020	0.005000	0	92.0	85	115				
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Sample ID: 10090482-001CMS	SampType: MS	Units: mg/L				Prep Date: 9/14/2010				RunNo: 140147		
Client ID: 4091-treated-9/13/10	Batch ID: 63067	SOP 3062				Analysis Date: 9/14/2010				SeqNo: 2732437		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	0.00451	0.00020	0.005000	0	90.2	75	125				
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Sample ID: 10090482-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 9/14/2010		RunNo: 140147			
Client ID: 4091-treated-9/13/10		Batch ID: 63067		SOP 3062		Analysis Date: 9/14/2010		SeqNo: 2732438			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00454	0.00020	0.005000	0	90.8	75	125	0.004510	0.663	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: LCS-R100913-1	SampType: LCS	Units: µg/L			Prep Date: 9/13/2010			RunNo: 140149			
Client ID: ZZZZZZ	Batch ID: 63075	SW5030			Analysis Date: 9/13/2010			SeqNo: 2732477			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.3	2.0	50.00	0	94.7	82.7	117				
Ethylbenzene	45.8	5.0	50.00	0	91.7	83	113				
Toluene	46.3	5.0	50.00	0	92.7	79.6	116				
Xylenes, Total	137	5.0	150.0	0	91.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.0		50.00		99.9	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.7	86	119				
Surr: Dibromofluoromethane	51.4		50.00		102.7	81.7	123				
Surr: Toluene-d8	48.3		50.00		96.5	84.3	114				

Sample ID: LCSD-R100913-1	SampType: LCSD	Units: µg/L			Prep Date: 9/13/2010			RunNo: 140149			
Client ID: ZZZZZZ	Batch ID: 63075	SW5030			Analysis Date: 9/13/2010			SeqNo: 2732478			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.4	2.0	50.00	0	96.8	82.7	117	47.34	2.17	20	
Ethylbenzene	46.7	5.0	50.00	0	93.4	83	113	45.84	1.90	20	
Toluene	47.3	5.0	50.00	0	94.7	79.6	116	46.33	2.16	20	
Xylenes, Total	139	5.0	150.0	0	92.8	80.3	120	136.6	1.90	20	
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.8		50.00		101.7	86	119		0	0	
Surr: Dibromofluoromethane	51.8		50.00		103.6	81.7	123		0	0	
Surr: Toluene-d8	48.3		50.00		96.5	84.3	114		0	0	

Sample ID: MBLK-R100913-1	SampType: MBLK	Units: µg/L			Prep Date: 9/13/2010			RunNo: 140149			
Client ID: ZZZZZZ	Batch ID: 63075	SW5030			Analysis Date: 9/13/2010			SeqNo: 2732479			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: MBLK-R100913-1	SampType: MBLK	Units: µg/L				Prep Date: 9/13/2010				RunNo: 140149		
Client ID: ZZZZZZ	Batch ID: 63075	SW5030				Analysis Date: 9/13/2010				SeqNo: 2732479		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.4	74.7	129				
Surr: 4-Bromofluorobenzene	50.9		50.00		101.9	86	119				
Surr: Dibromofluoromethane	51.4		50.00		102.9	81.7	123				
Surr: Toluene-d8	48.2		50.00		96.4	84.3	114				

Sample ID: 10090482-001EMS	SampType: MS	Units: µg/L			Prep Date: 9/13/2010			RunNo: 140149			
Client ID: 4091-treated-9/13/10	Batch ID: 63075	SW5030			Analysis Date: 9/13/2010			SeqNo: 2732493			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	57.4	2.0	62.00	0	92.6	57.8	125				
Toluene	62.3	5.0	62.00	0	100.5	75.8	123				
Ethylbenzene	62.6	5.0	62.00	0	101.0	72.8	123				
Xylenes, Total	126	5.0	124.0	0	101.2	73	127				
Surr: 1,2-Dichloroethane-d4	51.9		50.00		103.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.8		50.00		101.6	86	119				
Surr: Dibromofluoromethane	51.9		50.00		103.8	81.7	123				
Surr: Toluene-d8	48.0		50.00		96.1	84.3	114				

Sample ID: 10090482-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 9/13/2010			RunNo: 140149		
Client ID: 4091-treated-9/13/10		Batch ID: 63075		SW5030		Analysis Date: 9/13/2010			SeqNo: 2732494		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	57.1	2.0	62.00	0	92.2	57.8	125	57.43	0.506	20	
Toluene	62.9	5.0	62.00	0	101.4	75.8	123	62.30	0.895	20	
Ethylbenzene	63.9	5.0	62.00	0	103.1	72.8	123	62.64	2.05	20	
Xylenes, Total	126	5.0	124.0	0	101.9	73	127	125.5	0.699	20	
Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.5		50.00		101.0	86	119		0	0	
Surr: Dibromofluoromethane	51.2		50.00		102.5	81.7	123		0	0	
Surr: Toluene-d8	48.7		50.00		97.3	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: MB-63031		SampType: MBLK		Units: mg/L		Prep Date: 9/13/2010			RunNo: 140123		
Client ID: ZZZZZZ		Batch ID: 63031		SW3510C		Analysis Date: 9/13/2010			SeqNo: 2731989		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0191		0.02500		76.2	41.9	97.9				
Surr: 2-Fluorophenol	0.0260		0.05000		52.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0206		0.02500		82.4	39.9	106				
Surr: Phenol-d5	0.0148		0.05000		29.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.0233		0.02500		93.2	53	116				

Sample ID: LCS-63031		SampType: LCS		Units: mg/L		Prep Date: 9/13/2010				RunNo: 140144		
Client ID: ZZZZZZ		Batch ID: 63031		SW3510C		Analysis Date: 9/14/2010				SeqNo: 2732365		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00435	0.00010	0.005000	0	87.0	50.1	103				
Acenaphthylene	0.00427	0.00010	0.005000	0	85.4	53.3	122				
Anthracene	0.00459	0.00010	0.005000	0	91.8	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: LCS-63031		SampType: LCS		Units: mg/L		Prep Date: 9/13/2010		RunNo: 140144			
Client ID: ZZZZZZ		Batch ID: 63031		SW3510C		Analysis Date: 9/14/2010		SeqNo: 2732365			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00419	0.00010	0.005000	0	83.8	56	102				
Benzo(a)pyrene	0.00469	0.00010	0.005000	0	93.8	55.4	125				
Benzo(b)fluoranthene	0.00471	0.00010	0.005000	0	94.2	59.3	127				
Benzo(g,h,i)perylene	0.00448	0.00010	0.005000	0	89.6	58.4	125				
Benzo(k)fluoranthene	0.00478	0.00010	0.005000	0	95.6	61.5	125				
Chrysene	0.00475	0.00010	0.005000	0	95.0	58.7	118				
Dibenzo(a,h)anthracene	0.00460	0.00010	0.005000	0	92.0	59.3	126				
Fluoranthene	0.00457	0.00010	0.005000	0	91.4	60.1	117				
Fluorene	0.00464	0.00010	0.005000	0	92.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00464	0.00010	0.005000	0	92.8	58.1	123				
Naphthalene	0.00389	0.00010	0.005000	0	77.8	36.3	97.1				
Phenanthrene	0.00453	0.00010	0.005000	0	90.6	55.9	107				
Pyrene	0.00462	0.00010	0.005000	0	92.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00376		0.005000		75.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00497		0.01000		49.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00382		0.005000		76.4	39.9	106				
Surr: Phenol-d5	0.00277		0.01000		27.7	9.94	53.7				
Surr: p-Terphenyl-d14	0.00431		0.005000		86.2	53	116				

Sample ID: LCSD-63031		SampType: LCSD		Units: mg/L		Prep Date: 9/13/2010		RunNo: 140144			
Client ID: ZZZZZZ		Batch ID: 63031		SW3510C		Analysis Date: 9/14/2010		SeqNo: 2732366			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00460	0.00010	0.005000	0	92.0	50.1	103	0.004350	5.59	50	
Acenaphthylene	0.00463	0.00010	0.005000	0	92.6	53.3	122	0.004270	8.09	50	
Anthracene	0.00505	0.00010	0.005000	0	101.0	57.4	110	0.004590	9.54	50	
Benzo(a)anthracene	0.00448	0.00010	0.005000	0	89.6	56	102	0.004190	6.69	50	
Benzo(a)pyrene	0.00517	0.00010	0.005000	0	103.4	55.4	125	0.004690	9.74	50	
Benzo(b)fluoranthene	0.00506	0.00010	0.005000	0	101.2	59.3	127	0.004710	7.16	50	
Benzo(g,h,i)perylene	0.00483	0.00010	0.005000	0	96.6	58.4	125	0.004480	7.52	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: LCSD-63031	SampType: LCSD	Units: mg/L			Prep Date: 9/13/2010			RunNo: 140144			
Client ID: ZZZZZZ	Batch ID: 63031	SW3510C			Analysis Date: 9/14/2010			SeqNo: 2732366			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00514	0.00010	0.005000	0	102.8	61.5	125	0.004780	7.26	50	
Chrysene	0.00478	0.00010	0.005000	0	95.6	58.7	118	0.004750	0.630	50	
Dibenzo(a,h)anthracene	0.00489	0.00010	0.005000	0	97.8	59.3	126	0.004600	6.11	50	
Fluoranthene	0.00521	0.00010	0.005000	0	104.2	60.1	117	0.004570	13.1	50	
Fluorene	0.00473	0.00010	0.005000	0	94.6	54.1	110	0.004640	1.92	50	
Indeno(1,2,3-cd)pyrene	0.00490	0.00010	0.005000	0	98.0	58.1	123	0.004640	5.45	50	
Naphthalene	0.00444	0.00010	0.005000	0	88.8	36.3	97.1	0.003890	13.2	50	
Phenanthrene	0.00493	0.00010	0.005000	0	98.6	55.9	107	0.004530	8.46	50	
Pyrene	0.00506	0.00010	0.005000	0	101.2	61.4	116	0.004620	9.09	50	
Surr: 2-Fluorobiphenyl	0.00397		0.005000		79.4	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00592		0.01000		59.2	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00427		0.005000		85.4	39.9	106		0	50	
Surr: Phenol-d5	0.00320		0.01000		32.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00494		0.005000		98.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10090482

Report Date: 20-Sep-10

Sample ID: MB-R140135		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732398				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R140135		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732399				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.026 0.007 0.02500 0 105.7 90 110

Sample ID: MB-R140135		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732200				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R140135		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: ZZZZZZ		Batch ID: R140135			Analysis Date: 9/14/2010			SeqNo: 2732201				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.026 0.007 0.02500 0 105.7 85 115

Sample ID: 10090482-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 140135		
Client ID: 4091-treated-9/13/10		Batch ID: R140135		Analysis Date: 9/14/2010						SeqNo: 2732265	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.207 0.028 0.02500 0.1960 42.4 75 125 SE

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090482

Report Date: 20-Sep-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: 10090482-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 140135			
Client ID: 4091-treated-9/13/10		Batch ID: R140135				Analysis Date: 9/14/2010		SeqNo: 2732266			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.216	0.028	0.02500	0.1960	81.9	75	125	0.2066	4.66	15	E

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10090482

Report Date: 20-Sep-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

13-Sep-10

Dawn Brantley

Reviewed by:

On:

13-Sep-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

October 18, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6249080120

WorkOrder: 10100492

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 10/12/2010 3:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10100492

Report Date: 18-Oct-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10100492-001	6785-treated-10/12/10	5	10/12/2010 9:45:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6249080120

LabOrder: 10100492

Report Date: 18-Oct-10

Cooler Receipt Temp: 6.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100492

Lab ID: 10100492-001

Report Date: 18-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-10/12/10

Collection Date: 10/12/2010 9:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.60		1	10/13/2010 3:48:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		6	mg/L	1	10/13/2010 11:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	10/13/2010 11:00:00 AM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/13/2010 1:18:28 PM	JMW
Barium	NELAP	0.0050		0.131	mg/L	1	10/13/2010 1:18:28 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	10/13/2010 1:18:28 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/13/2010 1:18:28 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/13/2010 1:18:28 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/13/2010 1:18:28 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/13/2010 10:11:04 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	10/13/2010 2:52:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		86.4	%REC	1	10/13/2010 2:52:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		47.4	%REC	1	10/13/2010 2:52:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		86.0	%REC	1	10/13/2010 2:52:00 PM	MAV
Surr: Phenol-d5		11-42.8		31.5	%REC	1	10/13/2010 2:52:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		95.3	%REC	1	10/13/2010 2:52:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100492

Lab ID: 10100492-001

Report Date: 18-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-10/12/10

Collection Date: 10/12/2010 9:45:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/12/2010 5:56:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/12/2010 5:56:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	10/12/2010 5:56:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/12/2010 5:56:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		98.3	%REC	1	10/12/2010 5:56:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		103.7	%REC	1	10/12/2010 5:56:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		105.1	%REC	1	10/12/2010 5:56:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.8	%REC	1	10/12/2010 5:56:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/13/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		0.201	mg/L	10	10/13/2010 9:00:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.208	mg/L	10	10/13/2010 9:00:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10100492-001A	6785-treated-10/12/10	10/12/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/11/2010 7:03:55 PM	10/13/2010 8:05:00 AM
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/11/2010 7:03:55 PM	10/13/2010 2:52:00 PM
10100492-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/13/2010 3:48:00 PM
				Standard Methods 18th Ed. 2540 D		10/13/2010 11:00:00 AM
				Standard Methods 18th Ed. 5210 B	10/13/2010 11:00:00 AM	10/13/2010 11:00:00 AM
10100492-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/12/2010 5:30:49 PM	10/13/2010 1:18:28 PM
				SW-846 3020A, Metals by GFAA (Total)	10/12/2010 5:30:53 PM	10/13/2010 10:11:04 AM
				SW-846 7470A (Total)	10/13/2010 9:00:50 AM	10/13/2010
10100492-001D				SW-846 9012A		10/13/2010 9:00:00 AM
				SW-846 9012A (Total)		10/13/2010 9:00:00 AM
10100492-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/12/2010 5:56:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MB-R141253		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 141253		
Client ID: ZZZZZZ		Batch ID: R141253					Analysis Date: 10/13/2010			SeqNo: 2759697	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R141253		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141253		
Client ID: ZZZZZZ		Batch ID: R141253			Analysis Date: 10/13/2010					SeqNo: 2759698		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: 10100492-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 141253		
Client ID: 6785-treated-10/12/1		Batch ID: R141253			Analysis Date: 10/13/2010			SeqNo: 2759704				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	5	6						6.000	0	15	J
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Sample ID: LCS-R141253		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141253		
Client ID: ZZZZZZ		Batch ID: R141253			Analysis Date: 10/13/2010			SeqNo: 2759705				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	103	6	100.0	0	103.0	85	115				
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Sample ID: LCS-R141253		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141253		
Client ID: ZZZZZZ		Batch ID: R141253			Analysis Date: 10/13/2010			SeqNo: 2759711				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	97	6	100.0	0	97.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M2540 D

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: LCS-R141253	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141253			
Client ID: ZZZZZZ	Batch ID: R141253				Analysis Date: 10/13/2010			SeqNo: 2760190			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90	6	100.0	0	90.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M4500-H B

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: LCS-R141272		SampType: LCS			Units:		Prep Date:		RunNo: 141272		
Client ID: ZZZZZZ		Batch ID: R141272					Analysis Date: 10/13/2010		SeqNo: 2759746		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 10100492-001BDUP		SampType: DUP			Units:		Prep Date:		RunNo: 141272		
Client ID: 6785-treated-10/12/1		Batch ID: R141272					Analysis Date: 10/13/2010		SeqNo: 2759776		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.62	1.00						7.600	0.263	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: M5210 B

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: LCS-63693	SampType: LCS	Units: mg/L				Prep Date: 10/13/2010			RunNo: 141418		
Client ID: ZZZZZZ	Batch ID: 63693	SOP 2030				Analysis Date: 10/13/2010			SeqNo: 2762999		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	206	5	198.0	0	104.0	84.6	115.4				

Sample ID: 10100492-001B-DUP	SampType: DUP	Units: mg/L				Prep Date: 10/13/2010			RunNo: 141418		
Client ID: 6785-treated-10/12/1	Batch ID: 63693	SOP 2030				Analysis Date: 10/13/2010			SeqNo: 2763008		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MB-63644	SampType: MBLK	Units: mg/L			Prep Date: 10/12/2010			RunNo: 141241			
Client ID: ZZZZZZ	Batch ID: 63644	SOP 3034			Analysis Date: 10/13/2010			SeqNo: 2759390			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63644	SampType: LCS	Units: mg/L				Prep Date: 10/12/2010			RunNo: 141241		
Client ID: ZZZZZZ	Batch ID: 63644	SOP 3034				Analysis Date: 10/13/2010			SeqNo: 2759391		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.12	0.0250	2.000	0	106.2	85	115				
Barium	1.98	0.0050	2.000	0	99.1	85	115				
Cadmium	0.0531	0.0020	0.05000	0	106.2	85	115				
Chromium	0.220	0.0100	0.2000	0	110.2	85	115				
Selenium	2.04	0.0500	2.000	0	102.2	85	115				
Silver	0.0563	0.0100	0.05000	0	112.6	85	115				

Sample ID: 10100492-001CMS	SampType: MS	Units: mg/L				Prep Date: 10/12/2010			RunNo: 141241		
Client ID: 6785-treated-10/12/1	Batch ID: 63644	SOP 3034				Analysis Date: 10/13/2010			SeqNo: 2759393		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	104.8	75	125				
Barium	1.70	0.0050	2.000	0.1312	78.6	75	125				
Cadmium	0.0493	0.0020	0.05000	0	98.6	75	125				
Chromium	0.210	0.0100	0.2000	0	105.0	75	125				
Selenium	2.03	0.0500	2.000	0	101.7	75	125				
Silver	0.0426	0.0100	0.05000	0	85.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW6010B

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: 10100492-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/12/2010		RunNo: 141241			
Client ID: 6785-treated-10/12/1		Batch ID: 63644		SOP 3034		Analysis Date: 10/13/2010		SeqNo: 2759394			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.15	0.0250	2.000	0	107.6	75	125	2.096	2.68	20	
Barium	1.73	0.0050	2.000	0.1312	79.9	75	125	1.704	1.46	20	
Cadmium	0.0505	0.0020	0.05000	0	101.0	75	125	0.04930	2.40	20	
Chromium	0.214	0.0100	0.2000	0	107.0	75	125	0.2101	1.79	20	
Selenium	2.10	0.0500	2.000	0	104.8	75	125	2.034	2.95	20	
Silver	0.0451	0.0100	0.05000	0	90.2	75	125	0.04260	5.70	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7000 G

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MB-63649		SampType: MBLK		Units: mg/L		Prep Date: 10/12/2010		RunNo: 141247			
Client ID: ZZZZZZ		Batch ID: 63649		SOP 3044		Analysis Date: 10/13/2010		SeqNo: 2759106			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: 10100492-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/12/2010			RunNo: 141247		
Client ID: 6785-treated-10/12/1		Batch ID: 63649		SOP 3044		Analysis Date: 10/13/2010			SeqNo: 2759111		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0178	0.0020	0.01500	0	118.4	70	130			
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Sample ID: 10100492-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/12/2010			RunNo: 141247		
Client ID: 6785-treated-10/12/1		Batch ID: 63649		SOP 3044		Analysis Date: 10/13/2010			SeqNo: 2759112		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0172	0.0020	0.01500	0	114.7	70	130	0.01776	3.15	20
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Sample ID: LCS-63649		SampType: LCS		Units: mg/L		Prep Date: 10/12/2010			RunNo: 141247		
Client ID: ZZZZZZ		Batch ID: 63649		SOP 3044		Analysis Date: 10/13/2010			SeqNo: 2759120		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0167	0.0020	0.01500	0	111.4	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MB-63657	SampType: MBLK			Units: mg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: ZZZZZZ	Batch ID: 63657			SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759309		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63657	SampType: LCS			Units: mg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: ZZZZZZ	Batch ID: 63657			SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759310		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00515	0.00020	0.005000	0	103.0	85	115				

Sample ID: MB-63657	SampType: MBLK			Units: mg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: ZZZZZZ	Batch ID: 63657			SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759311		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63657	SampType: LCS			Units: mg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: ZZZZZZ	Batch ID: 63657			SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759312		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00515	0.00020	0.005000	0	103.0	85	115				

Sample ID: 10100492-001CMS	SampType: MS			Units: mg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: 6785-treated-10/12/1	Batch ID: 63657			SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759316		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00461	0.00020	0.005000	0	92.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW7470 A

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: 10100492-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: 6785-treated-10/12/1		Batch ID: 63657		SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759317		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00460	0.00020	0.005000	0	92.0	75	125	0.004610	0.217	15
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Sample ID: MB-63657		SampType: MBLK		Units: µg/L		Prep Date: 10/13/2010			RunNo: 141256		
Client ID: ZZZZZZ		Batch ID: 63657		SOP 3062		Analysis Date: 10/13/2010			SeqNo: 2759313		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100
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Sample ID: LCS-63657		SampType: LCS			Units: µg/L		Prep Date: 10/13/2010		RunNo: 141256		
Client ID: ZZZZZZ		Batch ID: 63657			SOP 3062		Analysis Date: 10/13/2010		SeqNo: 2759314		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	5.15	0.20	5.000	0	103.0	85	115
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: LCS-R101012-1	SampType: LCS	Units: µg/L			Prep Date: 10/12/2010			RunNo: 141257			
Client ID: ZZZZZZ	Batch ID: 63676	SW5030			Analysis Date: 10/12/2010			SeqNo: 2759339			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.3	2.0	50.00	0	92.7	82.7	117				
Ethylbenzene	45.0	5.0	50.00	0	90.0	83	113				
Toluene	45.2	5.0	50.00	0	90.4	79.6	116				
Xylenes, Total	133	5.0	150.0	0	88.8	80.3	120				
Surr: 1,2-Dichloroethane-d4	48.4		50.00		96.8	74.7	129				
Surr: 4-Bromofluorobenzene	52.0		50.00		104.1	86	119				
Surr: Dibromofluoromethane	53.4		50.00		106.9	81.7	123				
Surr: Toluene-d8	47.9		50.00		95.8	84.3	114				

Sample ID: LCSD-R101012-1	SampType: LCSD	Units: µg/L			Prep Date: 10/12/2010			RunNo: 141257			
Client ID: ZZZZZZ	Batch ID: 63676	SW5030			Analysis Date: 10/12/2010			SeqNo: 2759340			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.6	2.0	50.00	0	95.3	82.7	117	46.34	2.77	20	
Ethylbenzene	47.4	5.0	50.00	0	94.7	83	113	44.98	5.18	20	
Toluene	47.3	5.0	50.00	0	94.6	79.6	116	45.20	4.56	20	
Xylenes, Total	139	5.0	150.0	0	92.8	80.3	120	133.2	4.37	20	
Surr: 1,2-Dichloroethane-d4	48.3		50.00		96.6	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	50.6		50.00		101.2	86	119		0	20	
Surr: Dibromofluoromethane	53.5		50.00		107.0	81.7	123		0	20	
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114		0	20	

Sample ID: MBLK-R101012-1	SampType: MBLK	Units: µg/L			Prep Date: 10/12/2010			RunNo: 141257			
Client ID: ZZZZZZ	Batch ID: 63676	SW5030			Analysis Date: 10/12/2010			SeqNo: 2759341			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8260B

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MBLK-R101012-1		SampType: MBLK		Units: µg/L		Prep Date: 10/12/2010		RunNo: 141257			
Client ID: ZZZZZZ		Batch ID: 63676		SW5030		Analysis Date: 10/12/2010		SeqNo: 2759341			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	48.6		50.00		97.2	74.7	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.4	86	119				
Surr: Dibromofluoromethane	52.6		50.00		105.2	81.7	123				
Surr: Toluene-d8	48.4		50.00		96.9	84.3	114				

Sample ID: 10100492-001EMS		SampType: MS		Units: µg/L		Prep Date: 10/12/2010		RunNo: 141257			
Client ID: 6785-treated-10/12/1		Batch ID: 63676		SW5030		Analysis Date: 10/12/2010		SeqNo: 2759347			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	56.5	2.0	62.00	0	91.1	57.8	125				
Toluene	60.2	5.0	62.00	0	97.1	75.8	123				
Ethylbenzene	62.0	5.0	62.00	0	100	72.8	123				
Xylenes, Total	120	5.0	124.0	0	97.0	73	127				
Surr: 1,2-Dichloroethane-d4	49.2		50.00		98.4	74.7	129				
Surr: 4-Bromofluorobenzene	51.9		50.00		103.8	86	119				
Surr: Dibromofluoromethane	53.0		50.00		106.1	81.7	123				
Surr: Toluene-d8	48.3		50.00		96.5	84.3	114				

Sample ID: 10100492-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 10/12/2010			RunNo: 141257		
Client ID: 6785-treated-10/12/1		Batch ID: 63676		SW5030		Analysis Date: 10/12/2010			SeqNo: 2759348		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	56.4	2.0	62.00	0	90.9	57.8	125	56.46	0.142	20	
Toluene	60.3	5.0	62.00	0	97.3	75.8	123	60.23	0.149	20	
Ethylbenzene	61.6	5.0	62.00	0	99.4	72.8	123	61.99	0.615	20	
Xylenes, Total	121	5.0	124.0	0	97.7	73	127	120.2	0.737	20	
Surr: 1,2-Dichloroethane-d4	48.9		50.00		97.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.5		50.00		105.1	86	119		0	0	
Surr: Dibromofluoromethane	52.8		50.00		105.5	81.7	123		0	0	
Surr: Toluene-d8	48.2		50.00		96.5	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MB-63628		SampType: MBLK		Units: mg/L		Prep Date: 10/11/2010			RunNo: 141224		
Client ID: ZZZZZZ		Batch ID: 63628		SW3510C		Analysis Date: 10/12/2010			SeqNo: 2758438		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00434		0.005000		86.7	41.9	97.9				
Surr: 2-Fluorophenol	0.00473		0.01000		47.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00352		0.005000		70.4	39.9	106				
Surr: Phenol-d5	0.00255		0.01000		25.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00490		0.005000		98.0	53	116				

Sample ID: LCS-63628		SampType: LCS		Units: mg/L		Prep Date: 10/11/2010			RunNo: 141224		
Client ID: ZZZZZZ		Batch ID: 63628		SW3510C		Analysis Date: 10/12/2010			SeqNo: 2758451		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00390	0.00010	0.005000	0	78.0	50.1	103				
Acenaphthylene	0.00392	0.00010	0.005000	0	78.3	53.3	122				
Anthracene	0.00413	0.00010	0.005000	0	82.6	57.4	110				
Benzo(a)anthracene	0.00425	0.00010	0.005000	0	85.1	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: LCS-63628	SampType: LCS	Units: mg/L			Prep Date: 10/11/2010	RunNo: 141224					
Client ID: ZZZZZZ	Batch ID: 63628	SW3510C			Analysis Date: 10/12/2010	SeqNo: 2758451					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00499	0.00010	0.005000	0	99.9	55.4	125				
Benzo(b)fluoranthene	0.00476	0.00010	0.005000	0	95.1	59.3	127				
Benzo(g,h,i)perylene	0.00483	0.00010	0.005000	0	96.6	58.4	125				
Benzo(k)fluoranthene	0.00525	0.00010	0.005000	0	104.9	61.5	125				
Chrysene	0.00478	0.00010	0.005000	0	95.7	58.7	118				
Dibenzo(a,h)anthracene	0.00490	0.00010	0.005000	0	97.9	59.3	126				
Fluoranthene	0.00440	0.00010	0.005000	0	88.0	60.1	117				
Fluorene	0.00426	0.00010	0.005000	0	85.2	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00538	0.00010	0.005000	0	107.5	58.1	123				
Naphthalene	0.00342	0.00010	0.005000	0	68.4	36.3	97.1				
Phenanthrene	0.00419	0.00010	0.005000	0	83.9	55.9	107				
Pyrene	0.00447	0.00010	0.005000	0	89.3	61.4	116				
Surr: 2-Fluorobiphenyl	0.0209		0.02500		83.7	41.9	97.9				
Surr: 2-Fluorophenol	0.0218		0.05000		43.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.0169		0.02500		67.6	39.9	106				
Surr: Phenol-d5	0.0133		0.05000		26.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.0216		0.02500		86.5	53	116				

Sample ID: LCSD-63628	SampType: LCSD	Units: mg/L			Prep Date: 10/11/2010	RunNo: 141224					
Client ID: ZZZZZZ	Batch ID: 63628	SW3510C			Analysis Date: 10/12/2010	SeqNo: 2758452					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00373	0.00010	0.005000	0	74.5	50.1	103	0.003900	4.56	50	
Acenaphthylene	0.00403	0.00010	0.005000	0	80.5	53.3	122	0.003915	2.80	50	
Anthracene	0.00414	0.00010	0.005000	0	82.8	57.4	110	0.004131	0.242	50	
Benzo(a)anthracene	0.00426	0.00010	0.005000	0	85.2	56	102	0.004253	0.141	50	
Benzo(a)pyrene	0.00501	0.00010	0.005000	0	100.2	55.4	125	0.004993	0.360	50	
Benzo(b)fluoranthene	0.00476	0.00010	0.005000	0	95.1	59.3	127	0.004757	0	50	
Benzo(g,h,i)perylene	0.00501	0.00010	0.005000	0	100.2	58.4	125	0.004832	3.60	50	
Benzo(k)fluoranthene	0.00518	0.00010	0.005000	0	103.7	61.5	125	0.005247	1.23	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW8270C

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: LCSD-63628	SampType: LCSD	Units: mg/L				Prep Date: 10/11/2010			RunNo: 141224		
Client ID: ZZZZZZ	Batch ID: 63628	SW3510C				Analysis Date: 10/12/2010			SeqNo: 2758452		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	0.00479	0.00010	0.005000	0	95.8	58.7	118	0.004783	0.125	50	
Dibenzo(a,h)anthracene	0.00483	0.00010	0.005000	0	96.6	59.3	126	0.004896	1.40	50	
Fluoranthene	0.00467	0.00010	0.005000	0	93.4	60.1	117	0.004399	5.98	50	
Fluorene	0.00434	0.00010	0.005000	0	86.8	54.1	110	0.004259	1.88	50	
Indeno(1,2,3-cd)pyrene	0.00533	0.00010	0.005000	0	106.6	58.1	123	0.005377	0.915	50	
Naphthalene	0.00336	0.00010	0.005000	0	67.1	36.3	97.1	0.003420	1.92	50	
Phenanthrene	0.00419	0.00010	0.005000	0	83.8	55.9	107	0.004194	0.119	50	
Pyrene	0.00457	0.00010	0.005000	0	91.3	61.4	116	0.004466	2.24	50	
Surr: 2-Fluorobiphenyl	0.0191		0.02500		76.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0217		0.05000		43.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0154		0.02500		61.6	39.9	106		0	50	
Surr: Phenol-d5	0.0125		0.05000		25.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0223		0.02500		89.1	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: MB-R141262		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141262		
Client ID: ZZZZZZ		Batch ID: R141262			Analysis Date: 10/13/2010			SeqNo: 2759453				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R141262		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141262		
Client ID: ZZZZZZ		Batch ID: R141262			Analysis Date: 10/13/2010					SeqNo: 2759454		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.027 0.007 0.02500 0 106.1 85 115

Sample ID: LCS-R141262		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141262		
Client ID: ZZZZZZ		Batch ID: R141262			Analysis Date: 10/13/2010			SeqNo: 2759455				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.029 0.007 0.02500 0 114.2 85 115

Sample ID: MB-R141262		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141262		
Client ID: ZZZZZZ		Batch ID: R141262			Analysis Date: 10/13/2010					SeqNo: 2759456		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R141262		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141262		
Client ID: ZZZZZZ		Batch ID: R141262			Analysis Date: 10/13/2010			SeqNo: 2759457				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.024 0.007 0.02500 0 95.3 85 115

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100492

Report Date: 18-Oct-10

Sample ID: 10100492-001DMS		SampType: MS		Units: mg/L		Prep Date:		RunNo: 141262			
Client ID: 6785-treated-10/12/1		Batch ID: R141262				Analysis Date: 10/13/2010		SeqNo: 2759460			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.248	0.070	0.02500	0.2077	159.5	75	125				S

Sample ID: 10100492-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 141262			
Client ID: 6785-treated-10/12/1		Batch ID: R141262				Analysis Date: 10/13/2010		SeqNo: 2759461			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.237	0.070	0.02500	0.2077	117.7	75	125	0.2475	4.32	15	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6249080120

Lab Order: 10100492

Report Date: 18-Oct-10

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

12-Oct-10

Marvin L. Darling

Reviewed by:

On:

12-Oct-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 6.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

10100492

COC Serial No. B 09941

Project Name: Ameren Campaign Project Mgr.: P. Szaranga		Project Number: 624-0908-0120		Cost Code: 50002	
Sampler(s): J. Crompton		Matrix			
Laboratory		Name: Teklab			
Location: Collinsville					
Sample Number and (depth)		Date	Time		
6285-treated-10/12/10		10/12/10	0945		
Total Number of Containers		7			
Soil		X			
Water					
Air					
Wipes					
Other *					
Analyses by Method Name and Number					
BTX 8260		X			
SVOCs 8270.5ms		X			
PCRA Metals		X			
Total Cyanide		X			
Amenable Cyanide		X			
TSS		X			
PH		X			
BODs		X			
Comments (Field PID)					
Lab ID #'s		10100492-001			
Laboratory Temperature upon Receipt		6.8 °C			
VRes-TC 10/12/10					

Samples Iced:		☒ Yes	☐ No
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics	Hydrochloric acid (HCl)		
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol		
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)		
☒ Metals	Nitric acid		
☒ Cyanide	Sodium hydroxide (NaOH)		
☐ Other (Specify) _____			

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. Sazama AND L. Hooser

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
		10/12/10	11:37		10/12/10
		10/12/10	15:30		10/12/10

October 20, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 10100546

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 10/13/2010 2:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10100546

Report Date: 20-Oct-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10100546-001	4091 Treated 10/13/10	5	10/13/2010 8:10:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 10100546

Report Date: 20-Oct-10

Cooler Receipt Temp: 3.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100546

Lab ID: 10100546-001

Report Date: 20-Oct-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091 Treated 10/13/10

Collection Date: 10/13/2010 8:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.80		1	10/14/2010 4:09:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	10/14/2010 11:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		7	mg/L	1	10/13/2010 5:10:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/14/2010 11:08:13 AM	JMW
Barium	NELAP	0.0050		0.122	mg/L	1	10/14/2010 11:08:13 AM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	10/14/2010 11:08:13 AM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/14/2010 11:08:13 AM	JMW
Selenium	NELAP	0.0500	J	0.023	mg/L	1	10/14/2010 11:08:13 AM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/14/2010 11:08:13 AM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/14/2010	HLR
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	10/14/2010 10:25:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		76.2	%REC	1	10/14/2010 10:25:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		34.7	%REC	1	10/14/2010 10:25:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		88.0	%REC	1	10/14/2010 10:25:00 AM	MAV
Surr: Phenol-d5		11-42.8		23.0	%REC	1	10/14/2010 10:25:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		85.0	%REC	1	10/14/2010 10:25:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100546

Lab ID: 10100546-001

Report Date: 20-Oct-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091 Treated 10/13/10

Collection Date: 10/13/2010 8:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
2-Butanone	NELAP	25.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
2-Hexanone	NELAP	25.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
2-Nitropropane	NELAP	50.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Acetone	NELAP	25.0	J	11	µg/L	1	10/13/2010 5:17:00 PM	CCF
Acetonitrile	NELAP	50.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Acrolein	NELAP	100		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Acrylonitrile	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Allyl chloride	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Benzene	NELAP	2.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100546

Lab ID: 10100546-001

Report Date: 20-Oct-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091 Treated 10/13/10

Collection Date: 10/13/2010 8:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Bromobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Bromochloromethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Bromoform	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Bromomethane	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Butyl acetate		25.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Carbon disulfide	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Chlorobenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Chloroethane	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Chloroform	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Chloromethane	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Chloroprene	NELAP	20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Cyclohexanone		50.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Dibromomethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Dichlorodifluoromethane	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Ethyl acetate	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Ethyl ether	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Heptane		20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Hexachloroethane	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Iodomethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Methacrylonitrile	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Methylacrylate		10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Methylene chloride	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Naphthalene	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
n-Hexane		20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100546

Lab ID: 10100546-001

Report Date: 20-Oct-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091 Treated 10/13/10

Collection Date: 10/13/2010 8:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Nitrobenzene	NELAP	50.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
o-Xylene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Pentachloroethane	NELAP	20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Propionitrile	NELAP	50.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Styrene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Trichloroethene	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Vinyl acetate	NELAP	10		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Vinyl chloride	NELAP	2.0		ND	µg/L	1	10/13/2010 5:17:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		98.7	%REC	1	10/13/2010 5:17:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		104.8	%REC	1	10/13/2010 5:17:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		106.9	%REC	1	10/13/2010 5:17:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.1	%REC	1	10/13/2010 5:17:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/14/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.029		0.056	mg/L	4	10/14/2010 10:16:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028	S	0.127	mg/L	4	10/14/2010 10:16:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10100546-001A	4091 Treated 10/13/10	10/13/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/13/2010 4:10:50 PM	10/14/2010 10:25:00 AM
10100546-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/14/2010 4:09:00 PM
				Standard Methods 18th Ed. 2540 D		10/14/2010 11:00:00 AM
				Standard Methods 18th Ed. 5210 B	10/13/2010 5:10:00 PM	10/13/2010 5:10:00 PM
10100546-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/13/2010 5:00:00 PM	10/14/2010 11:08:13 AM
				SW-846 3020A, Metals by GFAA (Total)	10/13/2010 5:03:46 PM	10/14/2010
				SW-846 7470A (Total)	10/14/2010 10:17:36 AM	10/14/2010
10100546-001D				SW-846 9012A		10/14/2010 10:16:00 AM
				SW-846 9012A (Total)		10/14/2010 10:16:00 AM
10100546-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/13/2010 5:17:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-R141317		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 141317		
Client ID: ZZZZZZ		Batch ID: R141317					Analysis Date: 10/14/2010			SeqNo: 2760746	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R141317		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141317		
Client ID: ZZZZZZ		Batch ID: R141317						Analysis Date: 10/14/2010			SeqNo: 2760747	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: 10100546-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 141317		
Client ID: 4091 Treated 10/13/1		Batch ID: R141317					Analysis Date: 10/14/2010			SeqNo: 2760793	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCS-R141317		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141317		
Client ID: ZZZZZZ		Batch ID: R141317			Analysis Date: 10/14/2010			SeqNo: 2760794				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	107	6	100.0	0	107.0	85	115				
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Sample ID: LCS-R141317		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141317		
Client ID: ZZZZZZ		Batch ID: R141317						Analysis Date: 10/14/2010			SeqNo: 2760801	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	99	6	100.0	0	99.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-R141317		SampType: MBLK		Units: mg/L		Prep Date:		RunNo: 141317			
Client ID: ZZZZZZ		Batch ID: R141317				Analysis Date: 10/14/2010		SeqNo: 2760804			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M4500-H B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-R141328	SampType: LCS	Units:			Prep Date:			RunNo: 141328			
Client ID: ZZZZZZ	Batch ID: R141328				Analysis Date: 10/14/2010			SeqNo: 2760906			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10100546-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 141328			
Client ID: 4091 Treated 10/13/1		Batch ID: R141328				Analysis Date: 10/14/2010		SeqNo: 2760927			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.81	1.00						7.800	0.128	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M5210 B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-63698		SampType: LCS		Units: mg/L		Prep Date: 10/13/2010			RunNo: 141418		
Client ID: ZZZZZZ		Batch ID: 63698		SOP 2030		Analysis Date: 10/13/2010			SeqNo: 2763029		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	196	5	198.0	0	99.0	84.6	115.4				
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Sample ID: 10100546-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 10/13/2010			RunNo: 141418		
Client ID: 4091 Treated 10/13/1		Batch ID: 63698		SOP 2030		Analysis Date: 10/13/2010			SeqNo: 2763035		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	< 5	5						7.000	0	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-63673	SampType: MBLK	Units: mg/L			Prep Date: 10/13/2010			RunNo: 141308			
Client ID: ZZZZZZ	Batch ID: 63673	SOP 3034			Analysis Date: 10/14/2010			SeqNo: 2760488			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63673	SampType: LCS	Units: mg/L				Prep Date: 10/13/2010			RunNo: 141308		
Client ID: ZZZZZZ	Batch ID: 63673	SOP 3034				Analysis Date: 10/14/2010			SeqNo: 2760490		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.4	85	115				
Barium	2.02	0.0050	2.000	0	101.2	85	115				
Cadmium	0.0527	0.0020	0.05000	0	105.4	85	115				
Chromium	0.223	0.0100	0.2000	0	111.4	85	115				
Selenium	2.20	0.0500	2.000	0	109.8	85	115				

Sample ID: LCS-63673		SampType: LCS			Units: mg/L		Prep Date: 10/13/2010			RunNo: 141359		
Client ID: ZZZZZZ		Batch ID: 63673			SOP 3034		Analysis Date: 10/15/2010			SeqNo: 2761731		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		0.0537	0.0100	0.05000	0	107.4	85	115				

Sample ID: MB-63673	SampType: MBLK	Units: mg/L			Prep Date: 10/13/2010			RunNo: 141308			
Client ID: ZZZZZZ	Batch ID: 63673	SOP 3034			Analysis Date: 10/14/2010			SeqNo: 2760489			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-63673	SampType: MBLK	Units: mg/L				Prep Date: 10/13/2010			RunNo: 141308		
Client ID: ZZZZZZ	Batch ID: 63673	SOP 3034				Analysis Date: 10/14/2010			SeqNo: 2760489		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63673	SampType: LCS	Units: mg/L				Prep Date: 10/13/2010			RunNo: 141308		
Client ID: ZZZZZZ	Batch ID: 63673	SOP 3034				Analysis Date: 10/14/2010			SeqNo: 2760491		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.11	0.0250	2.000	0	105.4	85	115				
Barium	2.02	0.0050	2.000	0	101.2	85	115				
Cadmium	0.0527	0.0020	0.05000	0	105.4	85	115				
Chromium	0.223	0.0100	0.2000	0	111.4	85	115				
Selenium	2.20	0.0500	2.000	0	109.8	85	115				

Sample ID: 10100546-001CMS	SampType: MS	Units: mg/L				Prep Date: 10/13/2010			RunNo: 141308		
Client ID: 4091 Treated 10/13/1	Batch ID: 63673	SOP 3034				Analysis Date: 10/14/2010			SeqNo: 2760493		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.06	0.0250	2.000	0	103.2	75	125				
Barium	1.92	0.0050	2.000	0.1223	89.9	75	125				
Cadmium	0.0481	0.0020	0.05000	0	96.2	75	125				
Chromium	0.210	0.0100	0.2000	0	105.0	75	125				
Selenium	2.15	0.0500	2.000	0.02340	106.1	75	125				
Silver	0.0482	0.0100	0.05000	0	96.4	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: 10100546-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/13/2010		RunNo: 141308			
Client ID: 4091 Treated 10/13/1		Batch ID: 63673		SOP 3034		Analysis Date: 10/14/2010		SeqNo: 2760494			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.4	75	125	2.064	1.16	20	
Barium	1.90	0.0050	2.000	0.1223	88.9	75	125	1.920	1.05	20	
Cadmium	0.0484	0.0020	0.05000	0	96.8	75	125	0.04810	0.622	20	
Chromium	0.213	0.0100	0.2000	0	106.7	75	125	0.2100	1.61	20	
Selenium	2.20	0.0500	2.000	0.02340	108.6	75	125	2.146	2.26	20	
Silver	0.0446	0.0100	0.05000	0	89.2	75	125	0.04820	7.76	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7000 G

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-63685		SampType: MBLK		Units: mg/L		Prep Date: 10/13/2010		RunNo: 141320			
Client ID: ZZZZZZ		Batch ID: 63685		SOP 3044		Analysis Date: 10/14/2010		SeqNo: 2760748			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-63685		SampType: LCS		Units: mg/L		Prep Date: 10/13/2010			RunNo: 141320		
Client ID: ZZZZZZ		Batch ID: 63685		SOP 3044		Analysis Date: 10/14/2010			SeqNo: 2760749		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0151	0.0040	0.01500	0	100.7	80	120			
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Sample ID: 10100546-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/13/2010			RunNo: 141320		
Client ID: 4091 Treated 10/13/1		Batch ID: 63685		SOP 3044		Analysis Date: 10/14/2010			SeqNo: 2760751		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0165	0.0040	0.01500	0	110.1	70	130			
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Sample ID: 10100546-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/13/2010			RunNo: 141320		
Client ID: 4091 Treated 10/13/1		Batch ID: 63685		SOP 3044		Analysis Date: 10/14/2010			SeqNo: 2760752		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0171	0.0040	0.01500	0	114.0	70	130	0.01651	3.50	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-63700		SampType: MBLK		Units: mg/L		Prep Date: 10/14/2010		RunNo: 141314			
Client ID: ZZZZZZ		Batch ID: 63700		SOP 3062		Analysis Date: 10/14/2010		SeqNo: 2760604			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-63700		SampType: LCS		Units: mg/L		Prep Date: 10/14/2010			RunNo: 141314		
Client ID: ZZZZZZ		Batch ID: 63700		SOP 3062		Analysis Date: 10/14/2010			SeqNo: 2760605		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00526	0.00020	0.005000	0	105.2	85	115				
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Sample ID: 10100546-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/14/2010			RunNo: 141314		
Client ID: 4091 Treated 10/13/1		Batch ID: 63700		SOP 3062		Analysis Date: 10/14/2010			SeqNo: 2760607		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00510	0.00020	0.005000	0	102.0	75	125				
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Sample ID: 10100546-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/14/2010			RunNo: 141314		
Client ID: 4091 Treated 10/13/1		Batch ID: 63700		SOP 3062		Analysis Date: 10/14/2010			SeqNo: 2760608		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00517	0.00020	0.005000	0	103.4	75	125	0.005100	1.36	15	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-R101013-1		SampType: LCS		Units: µg/L		Prep Date: 10/13/2010		RunNo: 141273			
Client ID: ZZZZZZ		Batch ID: 63684		SW5030		Analysis Date: 10/13/2010		SeqNo: 2759770			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	48.7	5.0	50.00	0	97.4	0	200				
1,1,1-Trichloroethane	46.8	5.0	50.00	0	93.7	82.5	119				
1,1,2,2-Tetrachloroethane	53.2	5.0	50.00	0	106.3	0	200				
1,1,2-Trichloro-1,2,2-trifluoroethane	57.7	20.0	50.00	0	115.3	0	200				
1,1,2-Trichloroethane	49.6	5.0	50.00	0	99.2	0	200				
1,1-Dichloro-2-propanone	120	50.0	125.0	0	95.9	0	200				
1,1-Dichloroethane	50.9	5.0	50.00	0	101.9	0	200				
1,1-Dichloroethene	52.5	5.0	50.00	0	105.0	76.5	122				
1,1-Dichloropropene	47.9	5.0	50.00	0	95.8	0	200				
1,2,3-Trichlorobenzene	48.6	5.0	50.00	0	97.2	0	200				
1,2,3-Trichloropropane	51.4	5.0	50.00	0	102.9	0	200				
1,2,3-Trimethylbenzene	46.1	5.0	50.00	0	92.2	0	200				
1,2,4-Trichlorobenzene	49.4	5.0	50.00	0	98.8	0	200				
1,2,4-Trimethylbenzene	47.3	5.0	50.00	0	94.6	0	200				
1,2-Dibromo-3-chloropropane	49.8	5.0	50.00	0	99.7	0	200				
1,2-Dibromoethane	50.6	5.0	50.00	0	101.2	85	115				
1,2-Dichlorobenzene	48.8	5.0	50.00	0	97.7	86.4	116				
1,2-Dichloroethane	47.0	5.0	50.00	0	93.9	82	121				
1,2-Dichloropropane	49.7	5.0	50.00	0	99.4	0	200				
1,3,5-Trimethylbenzene	46.6	5.0	50.00	0	93.2	0	200				
1,3-Dichlorobenzene	49.8	5.0	50.00	0	99.6	85.2	116				
1,3-Dichloropropane	49.4	5.0	50.00	0	98.8	0	200				
1,4-Dichlorobenzene	49.1	5.0	50.00	0	98.2	83.6	117				
1-Chlorobutane	44.0	5.0	50.00	0	88.0	0	200				
2,2-Dichloropropane	47.2	5.0	50.00	0	94.3	0	200				
2-Butanone	137	25.0	125.0	0	109.4	65	124				
2-Chloroethyl vinyl ether	44.1	20.0	50.00	0	88.3	0	200				
2-Chlorotoluene	47.3	5.0	50.00	0	94.7	0	200				
2-Hexanone	124	25.0	125.0	0	99.5	0	200				
2-Nitropropane	36	50.0	50.00	0	71.3	0	200				J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-R101013-1	SampType: LCS	Units: µg/L				Prep Date: 10/13/2010			RunNo: 141273		
Client ID: ZZZZZZ	Batch ID: 63684	SW5030				Analysis Date: 10/13/2010			SeqNo: 2759770		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	46.1	5.0	50.00	0	92.3	0	200				
4-Methyl-2-pentanone	128	25.0	125.0	0	102.0	0	200				
Acetone	140	25.0	125.0	0	112.0	0	200				
Acetonitrile	42	50.0	50.00	0	84.2	0	200				J
Acrylonitrile	56.0	5.0	50.00	0	112.0	0	200				
Allyl chloride	39.3	5.0	50.00	0	78.5	0	200				
Benzene	47.2	2.0	50.00	0	94.4	82.7	117				
Bromobenzene	50.1	5.0	50.00	0	100.2	0	200				
Bromochloromethane	49.3	5.0	50.00	0	98.7	0	200				
Bromodichloromethane	47.7	5.0	50.00	0	95.5	87.4	117				
Bromoform	53.7	5.0	50.00	0	107.4	0	200				
Bromomethane	47.6	10	50.00	0	95.2	0	200				
Butyl acetate	49.3	25.0	50.00	0	98.5	0	200				
Carbon disulfide	47.8	5.0	50.00	0	95.5	0	200				
Carbon tetrachloride	45.8	5.0	50.00	0	91.6	78.8	130				
Chlorobenzene	48.3	5.0	50.00	0	96.6	84.5	114				
Chloroethane	48.2	10	50.00	0	96.3	0	200				
Chloroform	48.9	5.0	50.00	0	97.7	79	113				
Chloromethane	37.6	10	50.00	0	75.3	0	200				
Chloroprene	44.6	20.0	50.00	0	89.2	0	200				
cis-1,2-Dichloroethene	53.2	5.0	50.00	0	106.3	0	200				
cis-1,3-Dichloropropene	48.7	5.0	50.00	0	97.4	0	200				
cis-1,4-Dichloro-2-butene	48.9	5.0	50.00	0	97.7	0	200				
Cyclohexanone	219	50.0	250.0	0	87.5	0	200				
Dibromochloromethane	50.8	5.0	50.00	0	101.6	84	119				
Dibromomethane	52.8	5.0	50.00	0	105.6	0	200				
Dichlorodifluoromethane	29.4	10	50.00	0	58.8	0	200				
Ethyl acetate	49.1	10	50.00	0	98.1	0	200				
Ethyl ether	53.1	5.0	50.00	0	106.2	0	200				
Ethyl methacrylate	47.4	5.0	50.00	0	94.9	0	200				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-R101013-1	SampType: LCS	Units: µg/L				Prep Date: 10/13/2010			RunNo: 141273		
Client ID: ZZZZZZ	Batch ID: 63684	SW5030				Analysis Date: 10/13/2010			SeqNo: 2759770		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	46.0	5.0	50.00	0	91.9	83	113				
Heptane	45.2	20.0	50.00	0	90.4	0	200				
Hexachlorobutadiene	48.9	5.0	50.00	0	97.9	0	200				
Hexachloroethane	44.9	10	50.00	0	89.7	0	200				
Iodomethane	62.7	5.0	50.00	0	125.4	0	200				
Isopropylbenzene	45.6	5.0	50.00	0	91.2	0	200				
m,p-Xylenes	91.1	5.0	100.0	0	91.1	80.3	116				
Methacrylonitrile	54.0	10	50.00	0	108.0	0	200				
Methyl Methacrylate	48.8	5.0	50.00	0	97.6	0	200				
Methyl tert-butyl ether	48.9	2.0	50.00	0	97.8	69.1	121				
Methylacrylate	42.4	10	50.00	0	84.8	0	200				
Methylene chloride	45.4	5.0	50.00	0	90.9	79.1	122				
Naphthalene	50.0	10	50.00	0	100	60.4	129				
n-Butylbenzene	46.0	5.0	50.00	0	91.9	0	200				
n-Hexane	45.1	20.0	50.00	0	90.2	0	200				
Nitrobenzene	47	50.0	50.00	0	94.7	0	200				J
n-Propylbenzene	48.4	5.0	50.00	0	96.8	0	200				
o-Xylene	44.6	5.0	50.00	0	89.1	83.2	120				
Pentachloroethane	56.0	20.0	50.00	0	112.1	0	200				
p-Isopropyltoluene	46.6	5.0	50.00	0	93.2	0	200				
Propionitrile	59.2	50.0	50.00	0	118.4	0	200				
sec-Butylbenzene	47.1	5.0	50.00	0	94.2	0	200				
Styrene	46.6	5.0	50.00	0	93.3	0	200				
tert-Butylbenzene	44.5	5.0	50.00	0	89.0	0	200				
Tetrachloroethene	45.8	5.0	50.00	0	91.5	68.7	113				
Tetrahydrofuran	53.1	20.0	50.00	0	106.2	0	200				
Toluene	46.0	5.0	50.00	0	91.9	79.6	116				
trans-1,2-Dichloroethene	49.1	5.0	50.00	0	98.1	0	200				
trans-1,3-Dichloropropene	47.3	5.0	50.00	0	94.7	0	200				
trans-1,4-Dichloro-2-butene	45.6	10	50.00	0	91.3	0	200				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-R101013-1		SampType: LCS		Units: µg/L		Prep Date: 10/13/2010		RunNo: 141273			
Client ID: ZZZZZZ		Batch ID: 63684		SW5030		Analysis Date: 10/13/2010		SeqNo: 2759770			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	47.7	5.0	50.00	0	95.4	79.4	111				
Trichlorofluoromethane	46.1	5.0	50.00	0	92.3	0	200				
Vinyl acetate	52.0	10	50.00	0	104.1	0	200				
Vinyl chloride	45.7	2.0	50.00	0	91.4	0	200				
Surr: 1,2-Dichloroethane-d4	47.6		50.00		95.2	74.7	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.3	86	119				
Surr: Dibromofluoromethane	53.0		50.00		106.1	81.7	123				
Surr: Toluene-d8	47.7		50.00		95.4	84.3	114				

Sample ID: LCSD-R101013-1		SampType: LCSD		Units: µg/L		Prep Date: 10/13/2010		RunNo: 141273			
Client ID: ZZZZZZ		Batch ID: 63684		SW5030		Analysis Date: 10/13/2010		SeqNo: 2759771			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	48.5	5.0	50.00	0	97.0	0	200	48.70	0.391	20	
1,1,1-Trichloroethane	44.8	5.0	50.00	0	89.7	82.5	119	46.84	4.39	20	
1,1,2,2-Tetrachloroethane	52.4	5.0	50.00	0	104.7	0	200	53.16	1.50	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	54.9	20.0	50.00	0	109.8	0	200	57.67	4.90	20	
1,1,2-Trichloroethane	49.7	5.0	50.00	0	99.5	0	200	49.61	0.242	20	
1,1-Dichloro-2-propanone	126	50.0	125.0	0	100.4	0	200	119.9	4.59	20	
1,1-Dichloroethane	49.3	5.0	50.00	0	98.6	0	200	50.93	3.27	20	
1,1-Dichloroethene	50.8	5.0	50.00	0	101.7	76.5	122	52.48	3.15	20	
1,1-Dichloropropene	46.5	5.0	50.00	0	92.9	0	200	47.92	3.09	20	
1,2,3-Trichlorobenzene	48.1	5.0	50.00	0	96.2	0	200	48.62	1.05	20	
1,2,3-Trichloropropane	50.0	5.0	50.00	0	100.1	0	200	51.45	2.78	20	
1,2,3-Trimethylbenzene	44.6	5.0	50.00	0	89.3	0	200	46.11	3.24	20	
1,2,4-Trichlorobenzene	47.7	5.0	50.00	0	95.3	0	200	49.40	3.59	20	
1,2,4-Trimethylbenzene	45.8	5.0	50.00	0	91.7	0	200	47.31	3.16	20	
1,2-Dibromo-3-chloropropane	50.4	5.0	50.00	0	100.8	0	200	49.84	1.10	20	
1,2-Dibromoethane	49.7	5.0	50.00	0	99.3	85	115	50.61	1.87	20	
1,2-Dichlorobenzene	47.5	5.0	50.00	0	94.9	86.4	116	48.85	2.89	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCSD-R101013-1		SampType: LCSD		Units: µg/L		Prep Date: 10/13/2010		RunNo: 141273			
Client ID: ZZZZZZ		Batch ID: 63684		SW5030		Analysis Date: 10/13/2010		SeqNo: 2759771			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	46.7	5.0	50.00	0	93.4	82	121	46.97	0.619	20	
1,2-Dichloropropane	49.4	5.0	50.00	0	98.7	0	200	49.68	0.666	20	
1,3,5-Trimethylbenzene	44.7	5.0	50.00	0	89.3	0	200	46.60	4.23	20	
1,3-Dichlorobenzene	48.1	5.0	50.00	0	96.3	85.2	116	49.79	3.39	20	
1,3-Dichloropropane	48.6	5.0	50.00	0	97.3	0	200	49.39	1.51	20	
1,4-Dichlorobenzene	47.6	5.0	50.00	0	95.3	83.6	117	49.09	2.98	20	
1-Chlorobutane	42.6	5.0	50.00	0	85.2	0	200	43.99	3.19	20	
2,2-Dichloropropane	45.5	5.0	50.00	0	91.0	0	200	47.17	3.65	20	
2-Butanone	137	25.0	125.0	0	109.8	65	124	136.8	0.343	20	
2-Chloroethyl vinyl ether	44.4	20.0	50.00	0	88.8	0	200	44.13	0.610	20	
2-Chlorotoluene	45.3	5.0	50.00	0	90.6	0	200	47.34	4.40	20	
2-Hexanone	124	25.0	125.0	0	99.1	0	200	124.4	0.427	20	
2-Nitropropane	36	50.0	50.00	0	72.2	0	200	35.66	0	20	J
4-Chlorotoluene	45.4	5.0	50.00	0	90.8	0	200	46.14	1.64	20	
4-Methyl-2-pentanone	128	25.0	125.0	0	102.7	0	200	127.5	0.672	20	
Acetone	139	25.0	125.0	0	111.6	0	200	140.1	0.444	20	
Acetonitrile	42	50.0	50.00	0	84.5	0	200	42.11	0	20	J
Acrylonitrile	56.1	5.0	50.00	0	112.3	0	200	55.99	0.268	20	
Allyl chloride	39.9	5.0	50.00	0	79.8	0	200	39.26	1.57	20	
Benzene	46.2	2.0	50.00	0	92.4	82.7	117	47.18	2.08	20	
Bromobenzene	48.5	5.0	50.00	0	97.0	0	200	50.09	3.27	20	
Bromochloromethane	48.6	5.0	50.00	0	97.1	0	200	49.33	1.57	20	
Bromodichloromethane	47.5	5.0	50.00	0	95.1	87.4	117	47.74	0.420	20	
Bromoform	52.8	5.0	50.00	0	105.7	0	200	53.72	1.63	20	
Bromomethane	47.6	10	50.00	0	95.1	0	200	47.61	0.105	20	
Butyl acetate	48.0	25.0	50.00	0	96.0	0	200	49.27	2.65	20	
Carbon disulfide	45.8	5.0	50.00	0	91.5	0	200	47.77	4.32	20	
Carbon tetrachloride	44.7	5.0	50.00	0	89.4	78.8	130	45.80	2.43	20	
Chlorobenzene	47.1	5.0	50.00	0	94.2	84.5	114	48.31	2.54	20	
Chloroethane	46.5	10	50.00	0	93.0	0	200	48.15	3.53	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCSD-R101013-1		SampType: LCSD		Units: µg/L		Prep Date: 10/13/2010		RunNo: 141273			
Client ID: ZZZZZZ		Batch ID: 63684		SW5030		Analysis Date: 10/13/2010		SeqNo: 2759771			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	48.2	5.0	50.00	0	96.4	79	113	48.87	1.36	20	
Chloromethane	37.1	10	50.00	0	74.2	0	200	37.65	1.50	20	
Chloroprene	43.9	20.0	50.00	0	87.7	0	200	44.59	1.65	20	
cis-1,2-Dichloroethene	51.9	5.0	50.00	0	103.8	0	200	53.15	2.38	20	
cis-1,3-Dichloropropene	47.8	5.0	50.00	0	95.7	0	200	48.69	1.78	20	
cis-1,4-Dichloro-2-butene	48.5	5.0	50.00	0	96.9	0	200	48.87	0.842	20	
Cyclohexanone	198	50.0	250.0	0	79.3	0	200	218.8	9.94	20	
Dibromochloromethane	49.8	5.0	50.00	0	99.6	84	119	50.82	2.01	20	
Dibromomethane	52.8	5.0	50.00	0	105.5	0	200	52.78	0.0379	20	
Dichlorodifluoromethane	28.2	10	50.00	0	56.4	0	200	29.41	4.17	20	
Ethyl acetate	50.0	10	50.00	0	99.9	0	200	49.06	1.82	20	
Ethyl ether	53.3	5.0	50.00	0	106.5	0	200	53.08	0.357	20	
Ethyl methacrylate	47.5	5.0	50.00	0	95.1	0	200	47.45	0.168	20	
Ethylbenzene	44.6	5.0	50.00	0	89.3	83	113	45.95	2.89	20	
Heptane	42.1	20.0	50.00	0	84.1	0	200	45.19	7.17	20	
Hexachlorobutadiene	47.6	5.0	50.00	0	95.2	0	200	48.94	2.80	20	
Hexachloroethane	42.5	10	50.00	0	84.9	0	200	44.87	5.52	20	
Iodomethane	60.7	5.0	50.00	0	121.4	0	200	62.71	3.29	20	
Isopropylbenzene	44.4	5.0	50.00	0	88.9	0	200	45.59	2.58	20	
m,p-Xylenes	89.0	5.0	100.0	0	89.0	80.3	116	91.08	2.36	20	
Methacrylonitrile	53.7	10	50.00	0	107.4	0	200	53.99	0.576	20	
Methyl Methacrylate	48.4	5.0	50.00	0	96.8	0	200	48.79	0.782	20	
Methyl tert-butyl ether	48.9	2.0	50.00	0	97.8	69.1	121	48.89	0.0409	20	
Methylacrylate	43.0	10	50.00	0	86.0	0	200	42.41	1.43	20	
Methylene chloride	45.1	5.0	50.00	0	90.2	79.1	122	45.45	0.795	20	
Naphthalene	49.7	10	50.00	0	99.3	60.4	129	50.00	0.662	20	
n-Butylbenzene	44.1	5.0	50.00	0	88.1	0	200	45.95	4.18	20	
n-Hexane	43.1	20.0	50.00	0	86.1	0	200	45.08	4.56	20	
Nitrobenzene	39	50.0	50.00	0	77.4	0	200	47.35	0	20	J
n-Propylbenzene	46.1	5.0	50.00	0	92.2	0	200	48.38	4.85	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCSD-R101013-1	SampType: LCSD	Units: µg/L				Prep Date: 10/13/2010			RunNo: 141273		
Client ID: ZZZZZZ	Batch ID: 63684	SW5030				Analysis Date: 10/13/2010			SeqNo: 2759771		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	43.3	5.0	50.00	0	86.6	83.2	120	44.56	2.91	20	
Pentachloroethane	53.8	20.0	50.00	0	107.6	0	200	56.03	4.02	20	
p-Isopropyltoluene	44.9	5.0	50.00	0	89.9	0	200	46.61	3.67	20	
Propionitrile	58.5	50.0	50.00	0	117.1	0	200	59.21	1.16	20	
sec-Butylbenzene	44.7	5.0	50.00	0	89.5	0	200	47.11	5.18	20	
Styrene	45.9	5.0	50.00	0	91.7	0	200	46.63	1.67	20	
tert-Butylbenzene	42.8	5.0	50.00	0	85.5	0	200	44.48	3.97	20	
Tetrachloroethene	44.4	5.0	50.00	0	88.7	68.7	113	45.75	3.09	20	
Tetrahydrofuran	53.6	20.0	50.00	0	107.1	0	200	53.09	0.881	20	
Toluene	44.7	5.0	50.00	0	89.5	79.6	116	45.95	2.67	20	
trans-1,2-Dichloroethene	47.7	5.0	50.00	0	95.4	0	200	49.06	2.77	20	
trans-1,3-Dichloropropene	46.9	5.0	50.00	0	93.9	0	200	47.33	0.827	20	
trans-1,4-Dichloro-2-butene	45.9	10	50.00	0	91.8	0	200	45.64	0.568	20	
Trichloroethene	46.6	5.0	50.00	0	93.2	79.4	111	47.69	2.33	20	
Trichlorofluoromethane	44.0	5.0	50.00	0	87.9	0	200	46.13	4.84	20	
Vinyl acetate	53.2	10	50.00	0	106.4	0	200	52.03	2.24	20	
Vinyl chloride	44.1	2.0	50.00	0	88.2	0	200	45.68	3.50	20	
Surr: 1,2-Dichloroethane-d4	48.4		50.00		96.7	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	52.1		50.00		104.3	86	119		0	20	
Surr: Dibromofluoromethane	53.2		50.00		106.5	81.7	123		0	20	
Surr: Toluene-d8	48.3		50.00		96.6	84.3	114		0	20	

Sample ID: MBLK-R101013-1	SampType: MBLK	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: ZZZZZZ	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2759773			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MBLK-R101013-1	SampType: MBLK	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: ZZZZZZ	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2759773			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloro-2-propanone	ND	50.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,3-Trimethylbenzene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
1-Chlorobutane	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	25.0									
2-Chloroethyl vinyl ether	ND	20.0									
2-Chlorotoluene	ND	5.0									
2-Hexanone	ND	25.0									
2-Nitropropane	ND	50.0									
4-Chlorotoluene	ND	5.0									
4-Methyl-2-pentanone	ND	25.0									
Acetone	ND	25.0									
Acetonitrile	ND	50.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MBLK-R101013-1	SampType: MBLK	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: ZZZZZZ	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2759773			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	ND	100									
Acrylonitrile	ND	5.0									
Allyl chloride	ND	5.0									
Benzene	ND	2.0									
Bromobenzene	ND	5.0									
Bromochloromethane	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Butyl acetate	ND	25.0									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
Chloroprene	ND	20.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
cis-1,4-Dichloro-2-butene	ND	5.0									
Cyclohexanone	ND	50.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethyl acetate	ND	10									
Ethyl ether	ND	5.0									
Ethyl methacrylate	ND	5.0									
Ethylbenzene	ND	5.0									
Heptane	ND	20.0									
Hexachlorobutadiene	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MBLK-R101013-1	SampType: MBLK	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: ZZZZZZ	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2759773			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	ND	10									
Iodomethane	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylenes	ND	5.0									
Methacrylonitrile	ND	10									
Methyl Methacrylate	ND	5.0									
Methyl tert-butyl ether	ND	2.0									
Methylacrylate	ND	10									
Methylene chloride	ND	5.0									
Naphthalene	ND	10									
n-Butylbenzene	ND	5.0									
n-Hexane	ND	20.0									
Nitrobenzene	ND	50.0									
n-Propylbenzene	ND	5.0									
o-Xylene	ND	5.0									
Pentachloroethane	ND	20.0									
p-Isopropyltoluene	ND	5.0									
Propionitrile	ND	50.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Tetrahydrofuran	ND	20.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
trans-1,4-Dichloro-2-butene	ND	10									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl acetate	ND	10									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MBLK-R101013-1	SampType: MBLK	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: ZZZZZZ	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2759773			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	2.0									
Surr: 1,2-Dichloroethane-d4	48.5		50.00		96.9	74.7	129				
Surr: 4-Bromofluorobenzene	51.9		50.00		103.8	86	119				
Surr: Dibromofluoromethane	53.7		50.00		107.4	81.7	123				
Surr: Toluene-d8	48.0		50.00		96.1	84.3	114				

Sample ID: 10100546-001EMS	SampType: MS	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: 4091 Treated 10/13/1	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2760715			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	44.0	5.0	62.00	0	71.0	21.4	139				
Benzene	55.8	2.0	62.00	0	89.9	57.8	125				
Chlorobenzene	64.5	5.0	62.00	0	104.0	72.9	119				
Ethylbenzene	61.4	5.0	62.00	0	99.0	72.8	123				
m,p-Xylenes	61.3	5.0	62.00	0	98.9	74.6	125				
o-Xylene	58.5	5.0	62.00	0	94.4	73	127				
Toluene	59.4	5.0	62.00	0	95.8	75.8	123				
Trichloroethene	57.7	5.0	62.00	0	93.0	67.1	115				
Surr: 1,2-Dichloroethane-d4	48.6		50.00		97.2	74.7	129				
Surr: 4-Bromofluorobenzene	51.2		50.00		102.3	86	119				
Surr: Dibromofluoromethane	52.7		50.00		105.3	81.7	123				
Surr: Toluene-d8	47.7		50.00		95.4	84.3	114				

Sample ID: 10100546-001EMSD	SampType: MSD	Units: µg/L			Prep Date: 10/13/2010			RunNo: 141273			
Client ID: 4091 Treated 10/13/1	Batch ID: 63684	SW5030			Analysis Date: 10/13/2010			SeqNo: 2760716			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	43.2	5.0	62.00	0	69.7	21.4	139	44.02	1.90	20	
Benzene	55.9	2.0	62.00	0	90.1	57.8	125	55.75	0.215	20	
Chlorobenzene	64.3	5.0	62.00	0	103.7	72.9	119	64.47	0.233	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: 10100546-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 10/13/2010		RunNo: 141273			
Client ID: 4091 Treated 10/13/1		Batch ID: 63684		SW5030		Analysis Date: 10/13/2010		SeqNo: 2760716			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	61.0	5.0	62.00	0	98.5	72.8	123	61.37	0.539	20	
m,p-Xylenes	60.9	5.0	62.00	0	98.2	74.6	125	61.34	0.786	20	
o-Xylene	58.5	5.0	62.00	0	94.4	73	127	58.51	0.0342	20	
Toluene	59.0	5.0	62.00	0	95.1	75.8	123	59.42	0.726	20	
Trichloroethene	57.6	5.0	62.00	0	92.9	67.1	115	57.68	0.139	20	
Surr: 1,2-Dichloroethane-d4	48.7		50.00		97.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.8		50.00		103.7	86	119		0	0	
Surr: Dibromofluoromethane	52.9		50.00		105.9	81.7	123		0	0	
Surr: Toluene-d8	47.8		50.00		95.5	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-63650		SampType: MBLK		Units: mg/L		Prep Date: 10/12/2010		RunNo: 141270			
Client ID: ZZZZZZ		Batch ID: 63650		SW3510C		Analysis Date: 10/13/2010		SeqNo: 2760045			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00386		0.005000		77.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00510		0.01000		51.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00412		0.005000		82.4	39.9	106				
Surr: Phenol-d5	0.00334		0.01000		33.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00437		0.005000		87.5	53	116				

Sample ID: LCS-63650		SampType: LCS		Units: mg/L		Prep Date: 10/12/2010			RunNo: 141270		
Client ID: ZZZZZZ		Batch ID: 63650		SW3510C		Analysis Date: 10/13/2010			SeqNo: 2760046		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00390	0.00010	0.005000	0	78.0	50.1	103				
Acenaphthylene	0.00404	0.00010	0.005000	0	80.7	53.3	122				
Anthracene	0.00432	0.00010	0.005000	0	86.3	57.4	110				
Benzo(a)anthracene	0.00420	0.00010	0.005000	0	84.1	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCS-63650		SampType: LCS		Units: mg/L		Prep Date: 10/12/2010		RunNo: 141270			
Client ID: ZZZZZZ		Batch ID: 63650		SW3510C		Analysis Date: 10/13/2010		SeqNo: 2760046			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00448	0.00010	0.005000	0	89.6	55.4	125				
Benzo(b)fluoranthene	0.00461	0.00010	0.005000	0	92.2	59.3	127				
Benzo(g,h,i)perylene	0.00472	0.00010	0.005000	0	94.5	58.4	125				
Benzo(k)fluoranthene	0.00427	0.00010	0.005000	0	85.4	61.5	125				
Chrysene	0.00463	0.00010	0.005000	0	92.6	58.7	118				
Dibenzo(a,h)anthracene	0.00463	0.00010	0.005000	0	92.6	59.3	126				
Fluoranthene	0.00470	0.00010	0.005000	0	94.0	60.1	117				
Fluorene	0.00431	0.00010	0.005000	0	86.1	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00468	0.00010	0.005000	0	93.5	58.1	123				
Naphthalene	0.00390	0.00010	0.005000	0	78.0	36.3	97.1				
Phenanthrene	0.00447	0.00010	0.005000	0	89.5	55.9	107				
Pyrene	0.00449	0.00010	0.005000	0	89.9	61.4	116				
Surr: 2-Fluorobiphenyl	0.00375		0.005000		75.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00502		0.01000		50.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00414		0.005000		82.9	39.9	106				
Surr: Phenol-d5	0.00339		0.01000		33.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00474		0.005000		94.8	53	116				

Sample ID: LCSD-63650		SampType: LCSD		Units: mg/L		Prep Date: 10/12/2010		RunNo: 141270			
Client ID: ZZZZZZ		Batch ID: 63650		SW3510C		Analysis Date: 10/13/2010		SeqNo: 2760047			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00457	0.00010	0.005000	0	91.4	50.1	103	0.003899	15.8	50	
Acenaphthylene	0.00429	0.00010	0.005000	0	85.8	53.3	122	0.004036	6.15	50	
Anthracene	0.00488	0.00010	0.005000	0	97.5	57.4	110	0.004316	12.2	50	
Benzo(a)anthracene	0.00462	0.00010	0.005000	0	92.4	56	102	0.004204	9.43	50	
Benzo(a)pyrene	0.00505	0.00010	0.005000	0	101.0	55.4	125	0.004478	12.0	50	
Benzo(b)fluoranthene	0.00508	0.00010	0.005000	0	101.7	59.3	127	0.004611	9.74	50	
Benzo(g,h,i)perylene	0.00506	0.00010	0.005000	0	101.1	58.4	125	0.004725	6.75	50	
Benzo(k)fluoranthene	0.00514	0.00010	0.005000	0	102.9	61.5	125	0.004268	18.6	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: LCSD-63650	SampType: LCSD	Units: mg/L				Prep Date: 10/12/2010			RunNo: 141270		
Client ID: ZZZZZZ	Batch ID: 63650	SW3510C				Analysis Date: 10/13/2010			SeqNo: 2760047		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	0.00502	0.00010	0.005000	0	100.4	58.7	118	0.004629	8.06	50	
Dibenzo(a,h)anthracene	0.00503	0.00010	0.005000	0	100.7	59.3	126	0.004628	8.38	50	
Fluoranthene	0.00512	0.00010	0.005000	0	102.4	60.1	117	0.004699	8.58	50	
Fluorene	0.00486	0.00010	0.005000	0	97.1	54.1	110	0.004306	12.0	50	
Indeno(1,2,3-cd)pyrene	0.00509	0.00010	0.005000	0	101.7	58.1	123	0.004677	8.40	50	
Naphthalene	0.00427	0.00010	0.005000	0	85.4	36.3	97.1	0.003899	9.11	50	
Phenanthrene	0.00499	0.00010	0.005000	0	99.8	55.9	107	0.004474	10.9	50	
Pyrene	0.00500	0.00010	0.005000	0	99.9	61.4	116	0.004494	10.6	50	
Surr: 2-Fluorobiphenyl	0.00391		0.005000		78.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00474		0.01000		47.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00439		0.005000		87.8	39.9	106		0	50	
Surr: Phenol-d5	0.00337		0.01000		33.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00500		0.005000		99.9	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: MB-R141304	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 141304		
Client ID: ZZZZZZ	Batch ID: R141304					Analysis Date: 10/14/2010			SeqNo: 2760776		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R141304	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141304		
Client ID: ZZZZZZ	Batch ID: R141304					Analysis Date: 10/14/2010			SeqNo: 2760777		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.027	0.007	0.02500	0	107.3	90	110				

Sample ID: LCS-R141304	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141304		
Client ID: ZZZZZZ	Batch ID: R141304					Analysis Date: 10/14/2010			SeqNo: 2761464		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.025	0.007	0.02500	0	101.4	90	110				

Sample ID: LCS-R141304	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141304		
Client ID: ZZZZZZ	Batch ID: R141304					Analysis Date: 10/14/2010			SeqNo: 2761469		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.027	0.007	0.02500	0	106.1	90	110				

Sample ID: 10100546-001DMS	SampType: MS	Units: mg/L				Prep Date:			RunNo: 141304		
Client ID: 4091 Treated 10/13/1	Batch ID: R141304					Analysis Date: 10/14/2010			SeqNo: 2760783		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.145	0.028	0.02500	0.1267	71.1	75	125				S

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100546

Report Date: 20-Oct-10

Sample ID: 10100546-001DMSD		SampType: MSD		Units: mg/L		Prep Date:		RunNo: 141304			
Client ID: 4091 Treated 10/13/1		Batch ID: R141304				Analysis Date: 10/14/2010		SeqNo: 2760784			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.143	0.028	0.02500	0.1267	64.7	75	125	0.1445	1.11	15	S

Sample ID: MB-R141304		SampType: MBLK		Units: mg/L		Prep Date:		RunNo: 141304			
Client ID: ZZZZZZ		Batch ID: R141304				Analysis Date: 10/14/2010		SeqNo: 2763975			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-R141304		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 141304			
Client ID: ZZZZZZ		Batch ID: R141304				Analysis Date: 10/14/2010		SeqNo: 2763976			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.027	0.007	0.02500	0	107.3	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10100546

Report Date: 20-Oct-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

13-Oct-10

Dawn Brantley

Reviewed by:

On:

14-Oct-10

Heather A. White

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09943

Project Name: AMERICAN CHAMPAIGN Project Mgr.: P. Szazama

Project Number: 624-0808-0120 Cost Code: 5002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

Date

Time

4091- treated - 10/13/10 10/13/10 0810

Matrix

Water

Air

Soil

Wipes

Other *

Total Number of Containers

Analyses by Method Name and Number

BTEX 8260

SVC 8270.5ms

LCRA Metals

TOTAL AMERICA

CYANIDE

TSS

PH

BOGS

Laboratory Temperature upon Receipt
3.6

Comments (Field PID)

Lab ID #'s

10100540-001

1 DAY

Teklab, Inc.
Courier PickUp

Sheddy Pad
Pres DB 10/13/10

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics

☐ VOC Soil (5035)

☐ TPH

☒ Metals

☒ Cyanide

☐ Other (Specify)

Hydrochloric acid (HCl)

Sodium Bisulfate/Methanol

Hydrochloric acid and/or Sulfuric acid (HNO₃)

Nitric acid (NaOH)

Sodium hydroxide

Requested TAT: ☒ Rush

Fax and/or Mail Results to: P. Szazama and L. Houder

Send Invoice to:

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Lab Directives:

☐ 5 Days ☐ STD ☐ Other

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

11/13/10 1100

10/13/10 1450

Received by:

Signature

Date

Time

11/13/10 1100

10/13/10 1450

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

October 20, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 10100629

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 10/14/2010 6:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10100629

Report Date: 20-Oct-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10100629-001	2169-treated 10/14/10	5	10/14/2010 9:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 10100629

Report Date: 20-Oct-10

Cooler Receipt Temp: 3.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100629

Lab ID: 10100629-001

Report Date: 20-Oct-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 2169-treated 10/14/10

Collection Date: 10/14/2010 9:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.40		1	10/15/2010 2:12:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		10	mg/L	1	10/15/2010 11:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		18	mg/L	1	10/15/2010 1:30:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/15/2010 10:39:18 AM	JMW
Barium	NELAP	0.0050		0.222	mg/L	1	10/15/2010 10:39:18 AM	JMW
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	10/15/2010 10:39:18 AM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/15/2010 10:39:18 AM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/15/2010 10:39:18 AM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/15/2010 10:39:18 AM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/15/2010 11:27:42 AM	MEK
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/15/2010 3:08:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/15/2010 3:08:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	10/15/2010 3:08:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/15/2010 3:08:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		95.7	%REC	1	10/15/2010 3:08:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		104.2	%REC	1	10/15/2010 3:08:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		104.7	%REC	1	10/15/2010 3:08:00 PM	CCF
Surr: Toluene-d8		84.3-114		97.4	%REC	1	10/15/2010 3:08:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/15/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070		< 0.070	mg/L	10	10/15/2010 8:02:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028		0.050	mg/L	4	10/15/2010 8:02:00 AM	KNS

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10100629-001B	2169-treated 10/14/10	10/14/2010	Aqueous	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/15/2010 2:12:00 PM
				Standard Methods 18th Ed. 2540 D		10/15/2010 11:00:00 AM
				Standard Methods 18th Ed. 5210 B	10/15/2010 1:30:00 PM	10/15/2010 1:30:00 PM
10100629-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/15/2010 9:03:18 AM	10/15/2010 10:39:18 AM
				SW-846 3020A, Metals by GFAA (Total)	10/14/2010 7:45:18 PM	10/15/2010 11:27:42 AM
				SW-846 7470A (Total)	10/15/2010 8:30:00 AM	10/15/2010
10100629-001D				SW-846 9012A		10/15/2010 8:02:00 AM
				SW-846 9012A (Total)		10/15/2010 8:02:00 AM
10100629-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/15/2010 2:47:00 AM
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/15/2010 3:08:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MB-R141383		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 141383		
Client ID: ZZZZZZ		Batch ID: R141383					Analysis Date: 10/15/2010			SeqNo: 2762175	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R141383		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141383		
Client ID: ZZZZZZ		Batch ID: R141383			Analysis Date: 10/15/2010					SeqNo: 2762176		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	92	6	100.0	0	92.0	85	115				
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Sample ID: 10100629-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 141383		
Client ID: 2169-treated 10/14/1		Batch ID: R141383			Analysis Date: 10/15/2010			SeqNo: 2762187				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	10	6						10.00	0	15	
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Sample ID: LCS-R141383		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141383		
Client ID: ZZZZZZ		Batch ID: R141383			Analysis Date: 10/15/2010					SeqNo: 2762438		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: LCS-R141383		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141383		
Client ID: ZZZZZZ		Batch ID: R141383			Analysis Date: 10/15/2010			SeqNo: 2763217				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M4500-H B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: LCS-R141376	SampType: LCS	Units:		Prep Date:		RunNo: 141376					
Client ID: ZZZZZZ	Batch ID: R141376			Analysis Date: 10/15/2010		SeqNo: 2762072					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	6.99	1.00	7.000	0	99.9	99.1	100.9				
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Sample ID: 10100629-001BDUP	SampType: DUP	Units:		Prep Date:		RunNo: 141376					
Client ID: 2169-treated 10/14/1	Batch ID: R141376			Analysis Date: 10/15/2010		SeqNo: 2762077					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.41	1.00						9.400	0.106	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M5210 B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: LCS-63767		SampType: LCS			Units: mg/L		Prep Date: 10/15/2010			RunNo: 141540		
Client ID: ZZZZZZ		Batch ID: 63767			SOP 2030		Analysis Date: 10/15/2010			SeqNo: 2766441		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Biochemical Oxygen Demand	191	5	198.0	0	96.5	84.6	115.4				
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Sample ID: 10100629-001B-DUP		SampType: DUP		Units: mg/L		Prep Date: 10/15/2010			RunNo: 141540		
Client ID: 2169-treated 10/14/1		Batch ID: 63767		SOP 2030		Analysis Date: 10/15/2010			SeqNo: 2766448		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	19	5						18.00	5.41	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MB-63721	SampType: MBLK	Units: mg/L			Prep Date: 10/14/2010			RunNo: 141359			
Client ID: ZZZZZZ	Batch ID: 63721	SOP 3034			Analysis Date: 10/15/2010			SeqNo: 2761664			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63721	SampType: LCS	Units: mg/L				Prep Date: 10/14/2010			RunNo: 141359		
Client ID: ZZZZZZ	Batch ID: 63721	SOP 3034				Analysis Date: 10/15/2010			SeqNo: 2761665		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.09	0.0250	2.000	0	104.4	85	115				
Barium	2.06	0.0050	2.000	0	103.1	85	115				
Cadmium	0.0524	0.0020	0.05000	0	104.8	85	115				
Chromium	0.223	0.0100	0.2000	0	111.4	85	115				
Selenium	2.12	0.0500	2.000	0	105.8	85	115				
Silver	0.0542	0.0100	0.05000	0	108.4	85	115				

Sample ID: 10100629-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/15/2010			RunNo: 141359		
Client ID: 2169-treated 10/14/1		Batch ID: 63721		SOP 3034		Analysis Date: 10/15/2010			SeqNo: 2761667		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.96	0.0250	2.000	0	98.0	75	125				
Barium	2.03	0.0050	2.000	0.2220	90.2	75	125				
Cadmium	0.0458	0.0020	0.05000	0.0003000	91.0	75	125				
Chromium	0.198	0.0100	0.2000	0	98.8	75	125				
Selenium	1.97	0.0500	2.000	0	98.6	75	125				
Silver	0.0464	0.0100	0.05000	0	92.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: 10100629-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/15/2010		RunNo: 141359			
Client ID: 2169-treated 10/14/1		Batch ID: 63721		SOP 3034		Analysis Date: 10/15/2010		SeqNo: 2761668			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.99	0.0250	2.000	0	99.7	75	125	1.961	1.67	20	
Barium	2.00	0.0050	2.000	0.2220	88.7	75	125	2.026	1.49	20	
Cadmium	0.0461	0.0020	0.05000	0.0003000	91.6	75	125	0.04580	0.653	20	
Chromium	0.194	0.0100	0.2000	0	97.0	75	125	0.1976	1.79	20	
Selenium	1.95	0.0500	2.000	0	97.4	75	125	1.973	1.33	20	
Silver	0.0447	0.0100	0.05000	0	89.4	75	125	0.04640	3.73	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7000 G

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MB-63720		SampType: MBLK			Units: mg/L		Prep Date: 10/14/2010			RunNo: 141366		
Client ID: ZZZZZZ		Batch ID: 63720			SOP 3044		Analysis Date: 10/15/2010			SeqNo: 2761874		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				

Sample ID: 10100629-001CMS		SampType: MS			Units: mg/L		Prep Date: 10/14/2010			RunNo: 141366		
Client ID: 2169-treated 10/14/1		Batch ID: 63720			SOP 3044		Analysis Date: 10/15/2010			SeqNo: 2761880		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0113	0.0020	0.01500	0	75.1	70	130				

Sample ID: LCS-63720		SampType: LCS			Units: mg/L		Prep Date: 10/14/2010			RunNo: 141366		
Client ID: ZZZZZZ		Batch ID: 63720			SOP 3044		Analysis Date: 10/15/2010			SeqNo: 2761892		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0142	0.0020	0.01500	0	94.9	80	120				

Sample ID: 10100629-001CMSD		SampType: MSD			Units: mg/L		Prep Date: 10/14/2010			RunNo: 141366		
Client ID: 2169-treated 10/14/1		Batch ID: 63720			SOP 3044		Analysis Date: 10/15/2010			SeqNo: 2761894		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0120	0.0020	0.01500	0	79.9	70	130	0.01126	6.27	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MB-63737	SampType: MBLK	Units: mg/L				Prep Date: 10/15/2010			RunNo: 141368		
Client ID: ZZZZZZ	Batch ID: 63737	SOP 3062				Analysis Date: 10/15/2010			SeqNo: 2761903		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63737	SampType: LCS	Units: mg/L				Prep Date: 10/15/2010			RunNo: 141368		
Client ID: ZZZZZZ	Batch ID: 63737	SOP 3062				Analysis Date: 10/15/2010			SeqNo: 2761904		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00495	0.00020	0.005000	0	99.0	85	115				

Sample ID: MB-63737	SampType: MBLK	Units: mg/L				Prep Date: 10/15/2010			RunNo: 141368		
Client ID: ZZZZZZ	Batch ID: 63737	SOP 3062				Analysis Date: 10/15/2010			SeqNo: 2761905		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63737	SampType: LCS	Units: mg/L				Prep Date: 10/15/2010			RunNo: 141368		
Client ID: ZZZZZZ	Batch ID: 63737	SOP 3062				Analysis Date: 10/15/2010			SeqNo: 2761906		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00495	0.00020	0.005000	0	99.0	85	115				

Sample ID: 10100629-001CMS	SampType: MS	Units: mg/L				Prep Date: 10/15/2010			RunNo: 141368		
Client ID: 2169-treated 10/14/1	Batch ID: 63737	SOP 3062				Analysis Date: 10/15/2010			SeqNo: 2761908		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00473	0.00020	0.005000	0	94.6	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: 10100629-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/15/2010		RunNo: 141368			
Client ID: 2169-treated 10/14/1		Batch ID: 63737		SOP 3062		Analysis Date: 10/15/2010		SeqNo: 2761909			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00480	0.00020	0.005000	0	96.0	75	125	0.004730	1.47	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: LCS-R101015-1	SampType: LCS	Units: µg/L			Prep Date: 10/15/2010			RunNo: 141389			
Client ID: ZZZZZZ	Batch ID: 63758	SW5030			Analysis Date: 10/15/2010			SeqNo: 2762292			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.4	2.0	50.00	0	90.7	82.7	117				
Ethylbenzene	45.1	5.0	50.00	0	90.2	83	113				
Toluene	45.6	5.0	50.00	0	91.2	79.6	116				
Xylenes, Total	134	5.0	150.0	0	89.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	48.1		50.00		96.3	74.7	129				
Surr: 4-Bromofluorobenzene	51.8		50.00		103.5	86	119				
Surr: Dibromofluoromethane	54.1		50.00		108.3	81.7	123				
Surr: Toluene-d8	48.6		50.00		97.2	84.3	114				

Sample ID: LCSD-R101015-1	SampType: LCSD	Units: µg/L			Prep Date: 10/15/2010			RunNo: 141389			
Client ID: ZZZZZZ	Batch ID: 63758	SW5030			Analysis Date: 10/15/2010			SeqNo: 2762293			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.3	2.0	50.00	0	92.5	82.7	117	45.35	2.01	20	
Ethylbenzene	46.4	5.0	50.00	0	92.9	83	113	45.09	2.93	20	
Toluene	46.6	5.0	50.00	0	93.2	79.6	116	45.62	2.15	20	
Xylenes, Total	137	5.0	150.0	0	91.3	80.3	120	133.6	2.49	20	
Surr: 1,2-Dichloroethane-d4	47.0		50.00		94.1	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.9		50.00		103.9	86	119		0	20	
Surr: Dibromofluoromethane	53.0		50.00		106.0	81.7	123		0	20	
Surr: Toluene-d8	48.5		50.00		97.1	84.3	114		0	20	

Sample ID: MBLK-R101015-1	SampType: MBLK	Units: µg/L			Prep Date: 10/15/2010			RunNo: 141389			
Client ID: ZZZZZZ	Batch ID: 63758	SW5030			Analysis Date: 10/15/2010			SeqNo: 2762295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MBLK-R101015-1		SampType: MBLK		Units: µg/L		Prep Date: 10/15/2010		RunNo: 141389			
Client ID: ZZZZZZ		Batch ID: 63758		SW5030		Analysis Date: 10/15/2010		SeqNo: 2762295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	47.5		50.00		94.9	74.7	129				
Surr: 4-Bromofluorobenzene	52.6		50.00		105.2	86	119				
Surr: Dibromofluoromethane	53.3		50.00		106.5	81.7	123				
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114				

Sample ID: LCS-T101014-2		SampType: LCS		Units: µg/L		Prep Date: 10/14/2010		RunNo: 141369			
Client ID: ZZZZZZ		Batch ID: 63751		SW5030		Analysis Date: 10/15/2010		SeqNo: 2761938			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	44.0	2.0	50.00	0	88.1	82.7	117				
Toluene	46.1	5.0	50.00	0	92.1	79.6	116				
Ethylbenzene	48.5	5.0	50.00	0	97.0	83	113				
Xylenes, Total	147	5.0	150.0	0	97.7	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.3	86	119				
Surr: Dibromofluoromethane	51.6		50.00		103.1	81.7	123				
Surr: Toluene-d8	51.1		50.00		102.1	84.3	114				

Sample ID: LCSD-T101014-2		SampType: LCSD		Units: µg/L		Prep Date: 10/14/2010			RunNo: 141369		
Client ID: ZZZZZZ		Batch ID: 63751		SW5030		Analysis Date: 10/15/2010			SeqNo: 2761939		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	43.5	2.0	50.00	0	87.1	82.7	117	44.05	1.16	20	
Toluene	44.7	5.0	50.00	0	89.5	79.6	116	46.06	2.93	20	
Ethylbenzene	48.7	5.0	50.00	0	97.4	83	113	48.48	0.494	20	
Xylenes, Total	148	5.0	150.0	0	98.4	80.3	120	146.5	0.694	20	
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.4	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	49.1		50.00		98.1	86	119		0	20	
Surr: Dibromofluoromethane	49.1		50.00		98.2	81.7	123		0	20	
Surr: Toluene-d8	49.7		50.00		99.3	84.3	114		0	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MBLK-T101014-2		SampType: MBLK		Units: µg/L		Prep Date: 10/14/2010		RunNo: 141369			
Client ID: ZZZZZZ		Batch ID: 63751		SW5030		Analysis Date: 10/15/2010		SeqNo: 2761940			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	50.9		50.00		101.8	74.7	129				
Surr: 4-Bromofluorobenzene	48.4		50.00		96.7	86	119				
Surr: Dibromofluoromethane	49.9		50.00		99.7	81.7	123				
Surr: Toluene-d8	52.1		50.00		104.1	84.3	114				

Sample ID: 10100629-001EMS		SampType: MS		Units: µg/L		Prep Date: 10/15/2010		RunNo: 141389			
Client ID: 2169-treated 10/14/1		Batch ID: 63758		SW5030		Analysis Date: 10/15/2010		SeqNo: 2762298			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	53.4	2.0	62.00	0	86.1	57.8	125				
Toluene	58.9	5.0	62.00	0	95.0	75.8	123				
Ethylbenzene	62.0	5.0	62.00	0	99.9	72.8	123				
Xylenes, Total	121	5.0	124.0	0	97.9	73	127				
Surr: 1,2-Dichloroethane-d4	48.0		50.00		96.0	74.7	129				
Surr: 4-Bromofluorobenzene	52.1		50.00		104.1	86	119				
Surr: Dibromofluoromethane	52.5		50.00		105.1	81.7	123				
Surr: Toluene-d8	48.4		50.00		96.9	84.3	114				

Sample ID: 10100629-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 10/15/2010		RunNo: 141389			
Client ID: 2169-treated 10/14/1		Batch ID: 63758		SW5030		Analysis Date: 10/15/2010		SeqNo: 2762299			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.8	2.0	62.00	0	85.2	57.8	125	53.37	0.998	20	
Toluene	59.4	5.0	62.00	0	95.8	75.8	123	58.90	0.879	20	
Ethylbenzene	62.1	5.0	62.00	0	100.2	72.8	123	61.96	0.226	20	
Xylenes, Total	121	5.0	124.0	0	97.3	73	127	121.3	0.595	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: 10100629-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 10/15/2010		RunNo: 141389			
Client ID: 2169-treated 10/14/1		Batch ID: 63758		SW5030		Analysis Date: 10/15/2010		SeqNo: 2762299			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.3		50.00		94.5	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.4		50.00		104.8	86	119		0	0	
Surr: Dibromofluoromethane	52.6		50.00		105.1	81.7	123		0	0	
Surr: Toluene-d8	48.3		50.00		96.6	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: MB-R141353		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2761557				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R141353		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2761558				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.026 0.007 0.02500 0 104.9 90 110

Sample ID: MB-R141353		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2762013				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R141353		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2762014				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.026 0.007 0.02500 0 105.5 90 110

Sample ID: MB-R141353		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2762015				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100629

Report Date: 20-Oct-10

Sample ID: LCS-R141353		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2762016				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.027	0.007	0.02500	0	107.5	90	110				
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Sample ID: MB-R141353		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2761559				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R141353		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: ZZZZZZ		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2761560				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.027	0.007	0.02500	0	106.8	85	115				
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Sample ID: 10100629-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: 2169-treated 10/14/1		Batch ID: R141353			Analysis Date: 10/15/2010			SeqNo: 2761563				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.081	0.028	0.02500	0.05010	123.2	75	125				
---------	-------	-------	---------	---------	-------	----	-----	--	--	--	--

Sample ID: 10100629-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 141353		
Client ID: 2169-treated 10/14/1		Batch ID: R141353					Analysis Date: 10/15/2010			SeqNo: 2761564	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.079	0.028	0.02500	0.05010	113.9	75	125	0.08091	2.90	15	
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10100629

Report Date: 20-Oct-10

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

14-Oct-10

Timothy W. Mathis

Reviewed by:

On:

15-Oct-10

Heather A. White

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Due to lab error, PAH results cannot be reported. Client will recollect. 10/15/10 HAW



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09945 10100629

Project Name: Amenia Campaign Project Mgr.: P. Szama

Project Number: 624-0908-0120 Cost Code: 50002

Sampler(s): J. Crompton

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

Date

Time

Matrix
Soil
Water
Air
Wipes
Other *

Total Number of Containers

Analyses by Method Name and Number

BTX 8260
SVOCs 8270
PCRA Metals
Total Arsenic
CYANIDE
TSS
PH
BODs

Laboratory Temperature upon Receipt
3.8 WED

rees ✓ TWM OK 10.14.10

Lab ID #'s

Comments (Field PID)

10100629 001

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃)
☒ Metals Nitric acid (NaOH)
☒ Cyanide Sodium hydroxide
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. Szama and L. Howler
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature _____
Date 10/14/10 Time 1530

Received by:

Signature _____
Date 10/14/10 Time 1530

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

October 26, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10100721

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 10/18/2010 1:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100721

Report Date: 26-Oct-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10100721-001	218-treated-10/18/10	5	10/18/2010 8:35:00 AM
10100721-002	2169-treated-10/18/10	5	10/18/2010 9:10:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10100721

Report Date: 26-Oct-10

Cooler Receipt Temp: 7.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100721

Lab ID: 10100721-001

Report Date: 26-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 218-treated-10/18/10

Collection Date: 10/18/2010 8:35:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.88		1	10/18/2010 4:56:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	JR	5	mg/L	1	10/19/2010 10:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		14	mg/L	1	10/18/2010 2:50:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/19/2010 2:16:54 PM	JMW
Barium	NELAP	0.0050		0.205	mg/L	1	10/19/2010 2:16:54 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	10/19/2010 2:16:54 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/19/2010 2:16:54 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/19/2010 2:16:54 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/19/2010 2:16:54 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/20/2010 9:05:20 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Anthracene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Fluorene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Pyrene	NELAP	0.00010		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	10/19/2010 1:35:00 PM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		82.2	%REC	1	10/19/2010 1:35:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		44.0	%REC	1	10/19/2010 1:35:00 PM	DMH
Surr: Nitrobenzene-d5		37.6-105		79.7	%REC	1	10/19/2010 1:35:00 PM	DMH
Surr: Phenol-d5		11-42.8		28.7	%REC	1	10/19/2010 1:35:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		89.9	%REC	1	10/19/2010 1:35:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100721

Lab ID: 10100721-001

Report Date: 26-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 218-treated-10/18/10

Collection Date: 10/18/2010 8:35:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/19/2010 6:50:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/19/2010 6:50:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	10/19/2010 6:50:00 AM	TAL
Xylenes, Total	NELAP	5.0	J	1.2	µg/L	1	10/19/2010 6:50:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.1	%REC	1	10/19/2010 6:50:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		99.3	%REC	1	10/19/2010 6:50:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		99.4	%REC	1	10/19/2010 6:50:00 AM	TAL
Surr: Toluene-d8		84.3-114		101.5	%REC	1	10/19/2010 6:50:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/19/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.028		0.032	mg/L	4	10/20/2010 10:22:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028		0.075	mg/L	4	10/20/2010 10:22:00 AM	KNS

Sample Narrative

Standard Methods 18th Ed. 2540 D

% RPD was outside the QC limits due to low level results. When duplicate results for TSS are 20 mg/L or less and have a difference of no greater than the PQL, the results are considered within the precision of the test method and are reportable.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100721

Lab ID: 10100721-002

Report Date: 26-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-10/18/10

Collection Date: 10/18/2010 9:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.32		1	10/18/2010 4:56:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		7	mg/L	1	10/19/2010 10:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		20	mg/L	1	10/18/2010 2:50:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/19/2010 2:22:34 PM	JMW
Barium	NELAP	0.0050		0.261	mg/L	1	10/19/2010 2:22:34 PM	JMW
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	10/19/2010 2:22:34 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/19/2010 2:22:34 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/19/2010 2:22:34 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/19/2010 2:22:34 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/20/2010 9:08:42 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Anthracene	NELAP	0.00010		0.00012	mg/L	1	10/19/2010 2:13:00 PM	DMH
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Chrysene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Fluoranthene	NELAP	0.00010		0.00027	mg/L	1	10/19/2010 2:13:00 PM	DMH
Fluorene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/19/2010 2:13:00 PM	DMH
Naphthalene	NELAP	0.00010		0.00020	mg/L	1	10/19/2010 2:13:00 PM	DMH
Phenanthrene	NELAP	0.00010		0.00065	mg/L	1	10/19/2010 2:13:00 PM	DMH
Pyrene	NELAP	0.00010		0.00031	mg/L	1	10/19/2010 2:13:00 PM	DMH
Total PNAs except Naphthalene		0.00013		0.00134	mg/L	1	10/19/2010 2:13:00 PM	DMH
Surr: 2-Fluorobiphenyl		41.1-108		72.6	%REC	1	10/19/2010 2:13:00 PM	DMH
Surr: 2-Fluorophenol		16.8-65.9		40.5	%REC	1	10/19/2010 2:13:00 PM	DMH
Surr: Nitrobenzene-d5		37.6-105		69.8	%REC	1	10/19/2010 2:13:00 PM	DMH
Surr: Phenol-d5		11-42.8		23.5	%REC	1	10/19/2010 2:13:00 PM	DMH
Surr: p-Terphenyl-d14		49-113		75.9	%REC	1	10/19/2010 2:13:00 PM	DMH
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100721

Lab ID: 10100721-002

Report Date: 26-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 2169-treated-10/18/10

Collection Date: 10/18/2010 9:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/19/2010 7:21:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/19/2010 7:21:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	10/19/2010 7:21:00 AM	TAL
Xylenes, Total	NELAP	5.0	J	2.4	µg/L	1	10/19/2010 7:21:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		103.4	%REC	1	10/19/2010 7:21:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		92.4	%REC	1	10/19/2010 7:21:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		101.4	%REC	1	10/19/2010 7:21:00 AM	TAL
Surr: Toluene-d8		84.3-114		99.6	%REC	1	10/19/2010 7:21:00 AM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/19/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.014		0.032	mg/L	2	10/19/2010 3:37:00 PM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.014		0.056	mg/L	2	10/20/2010 10:22:00 AM	KNS

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10100721-001A	218-treated-10/18/10	10/18/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/18/2010 4:11:48 PM	10/19/2010 1:35:00 PM
10100721-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/18/2010 4:56:00 PM
				Standard Methods 18th Ed. 2540 D		10/19/2010 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	10/18/2010 2:50:00 PM	10/18/2010 2:50:00 PM
10100721-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/18/2010 4:56:10 PM	10/19/2010 2:16:54 PM
				SW-846 3020A, Metals by GFAA (Total)	10/18/2010 4:52:13 PM	10/20/2010 9:05:20 AM
				SW-846 7470A (Total)	10/19/2010 8:41:37 AM	10/19/2010
10100721-001D				SW-846 9012A		10/20/2010 10:22:00 AM
				SW-846 9012A (Total)		10/20/2010 10:22:00 AM
10100721-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/19/2010 6:50:00 AM
10100721-002A	2169-treated-10/18/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/18/2010 4:11:48 PM	10/19/2010 2:13:00 PM
10100721-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/18/2010 4:56:00 PM
				Standard Methods 18th Ed. 2540 D		10/19/2010 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	10/18/2010 2:50:00 PM	10/18/2010 2:50:00 PM
10100721-002C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/18/2010 4:56:10 PM	10/19/2010 2:22:34 PM
				SW-846 3020A, Metals by GFAA (Total)	10/18/2010 4:52:13 PM	10/20/2010 9:08:42 AM
				SW-846 7470A (Total)	10/19/2010 8:41:37 AM	10/19/2010
10100721-002D				SW-846 9012A		10/19/2010 3:37:00 PM
				SW-846 9012A (Total)		10/20/2010 10:22:00 AM
10100721-002E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/19/2010 7:21:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100721

Report Date: 26-Oct-10

ANALYTICAL QC SUMMARY REPORT

Test Number: M2540 D

Sample ID: MB-R141497		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 141497		
Client ID: ZZZZZZ		Batch ID: R141497					Analysis Date: 10/19/2010			SeqNo: 2765201	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R141497		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141497		
Client ID: ZZZZZZ		Batch ID: R141497			Analysis Date: 10/19/2010			SeqNo: 2765202				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
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Sample ID: LCS-R141497		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141497		
Client ID: ZZZZZZ		Batch ID: R141497			Analysis Date: 10/19/2010			SeqNo: 2765217				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 10100721-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 141497		
Client ID: 218-treated-10/18/10		Batch ID: R141497		Analysis Date: 10/19/2010						SeqNo: 2765226	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	7	6						5.000	33.3	15	R
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Sample ID: LCS-R141497		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141497		
Client ID: ZZZZZZ		Batch ID: R141497			Analysis Date: 10/19/2010			SeqNo: 2765227				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M2540 D

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCS-R141497	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141497			
Client ID: ZZZZZZ	Batch ID: R141497				Analysis Date: 10/19/2010			SeqNo: 2765236			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	94	6	100.0	0	94.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M4500-H B

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCS-R141442		SampType: LCS			Units:		Prep Date:			RunNo: 141442		
Client ID: ZZZZZZ		Batch ID: R141442			Analysis Date: 10/18/2010			SeqNo: 2763638				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 10100721-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 141442		
Client ID: 218-treated-10/18/10		Batch ID: R141442				Analysis Date: 10/18/2010			SeqNo: 2763646		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.87	1.00						8.880	0.113	10	
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Sample ID: LCS-R141442		SampType: LCS			Units:		Prep Date:			RunNo: 141442		
Client ID: ZZZZZZ		Batch ID: R141442			Analysis Date: 10/18/2010			SeqNo: 2763640				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: M5210 B

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCS-63789	SampType: LCS	Units: mg/L			Prep Date: 10/18/2010			RunNo: 141662			
Client ID: ZZZZZZ	Batch ID: 63789	SOP 2030			Analysis Date: 10/18/2010			SeqNo: 2770025			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	197	5	198.0	0	99.5	84.6	115.4				
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Sample ID: 10100721-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 10/18/2010			RunNo: 141662			
Client ID: 218-treated-10/18/10	Batch ID: 63789	SOP 2030			Analysis Date: 10/18/2010			SeqNo: 2770037			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	14	5						14.00	0	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: MB-63784	SampType: MBLK	Units: mg/L				Prep Date: 10/18/2010			RunNo: 141508		
Client ID: ZZZZZZ	Batch ID: 63784	SOP 3034				Analysis Date: 10/19/2010			SeqNo: 2765601		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.0043	0.0100	0.01000	0	43.0	-100	100				J

Sample ID: LCS-63784	SampType: LCS	Units: mg/L			Prep Date: 10/18/2010			RunNo: 141508			
Client ID: ZZZZZZ	Batch ID: 63784	SOP 3034			Analysis Date: 10/19/2010			SeqNo: 2765602			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.211	0.0100	0.2000	0	105.6	85	115				

Sample ID: MB-63784		SampType: MBLK		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141464			
Client ID: ZZZZZZ		Batch ID: 63784		SOP 3034		Analysis Date: 10/19/2010		SeqNo: 2765102			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	0.0025	0.0050	0.005000	0	50.0	-100	100				J
Cadmium	0.0009	0.0020	0.002000	0	45.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63784		SampType: LCS		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141464			
Client ID: ZZZZZZ		Batch ID: 63784		SOP 3034		Analysis Date: 10/19/2010		SeqNo: 2765103			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.6	85	115				
Barium	2.08	0.0050	2.000	0	103.8	85	115				
Cadmium	0.0516	0.0020	0.05000	0	103.2	85	115				
Chromium	0.223	0.0100	0.2000	0	111.7	85	115				
Selenium	2.08	0.0500	2.000	0	104.0	85	115				
Silver	0.0560	0.0100	0.05000	0	112.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW6010B

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: 10100721-002CMS		SampType: MS		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141464			
Client ID: 2169-treated-10/18/1		Batch ID: 63784		SOP 3034		Analysis Date: 10/19/2010		SeqNo: 2765106			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.97	0.0250	2.000	0	98.5	75	125				
Barium	2.10	0.0050	2.000	0.2614	91.9	75	125				
Cadmium	0.0450	0.0020	0.05000	0.0004000	89.2	75	125				
Chromium	0.199	0.0100	0.2000	0	99.6	75	125				
Selenium	1.98	0.0500	2.000	0	99.2	75	125				
Silver	0.0508	0.0100	0.05000	0	101.6	75	125				

Sample ID: 10100721-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141464			
Client ID: 2169-treated-10/18/1		Batch ID: 63784		SOP 3034		Analysis Date: 10/19/2010		SeqNo: 2765107			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.0250	2.000	0	100.3	75	125	1.970	1.81	20	
Barium	2.11	0.0050	2.000	0.2614	92.3	75	125	2.100	0.380	20	
Cadmium	0.0457	0.0020	0.05000	0.0004000	90.6	75	125	0.04500	1.54	20	
Chromium	0.200	0.0100	0.2000	0	100	75	125	0.1991	0.451	20	
Selenium	2.00	0.0500	2.000	0	100.2	75	125	1.985	1.00	20	
Silver	0.0535	0.0100	0.05000	0	107.0	75	125	0.05080	5.18	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7000 G

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: 10100721-001CMS		SampType: MS			Units: mg/L		Prep Date: 10/18/2010			RunNo: 141519		
Client ID: 218-treated-10/18/10		Batch ID: 63783			SOP 3044		Analysis Date: 10/20/2010			SeqNo: 2765956		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0161	0.0020	0.01500	0	107.2	70	130				
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Sample ID: 10100721-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141519			
Client ID: 218-treated-10/18/10		Batch ID: 63783		SOP 3044		Analysis Date: 10/20/2010		SeqNo: 2765957			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0151	0.0020	0.01500	0	100.4	70	130	0.01608	6.49	20	
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Sample ID: MB-63783		SampType: MBLK			Units: mg/L		Prep Date: 10/18/2010			RunNo: 141519		
Client ID: ZZZZZZ		Batch ID: 63783			SOP 3044		Analysis Date: 10/20/2010			SeqNo: 2765961		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100				
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Sample ID: LCS-63783		SampType: LCS			Units: mg/L		Prep Date: 10/18/2010			RunNo: 141519		
Client ID: ZZZZZZ		Batch ID: 63783			SOP 3044		Analysis Date: 10/20/2010			SeqNo: 2765963		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0159	0.0020	0.01500	0	105.8	80	120				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: MB-63801	SampType: MBLK	Units: mg/L				Prep Date: 10/19/2010			RunNo: 141481		
Client ID: ZZZZZZ	Batch ID: 63801	SOP 3062				Analysis Date: 10/19/2010			SeqNo: 2764862		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63801	SampType: LCS	Units: mg/L				Prep Date: 10/19/2010			RunNo: 141481		
Client ID: ZZZZZZ	Batch ID: 63801	SOP 3062				Analysis Date: 10/19/2010			SeqNo: 2764863		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00517	0.00020	0.005000	0	103.4	85	115				

Sample ID: 10100721-002CMS	SampType: MS	Units: mg/L				Prep Date: 10/19/2010			RunNo: 141481		
Client ID: 2169-treated-10/18/1	Batch ID: 63801	SOP 3062				Analysis Date: 10/19/2010			SeqNo: 2764949		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00475	0.00020	0.005000	0	95.0	75	125				

Sample ID: 10100721-002CMSD	SampType: MSD	Units: mg/L				Prep Date: 10/19/2010			RunNo: 141481		
Client ID: 2169-treated-10/18/1	Batch ID: 63801	SOP 3062				Analysis Date: 10/19/2010			SeqNo: 2764950		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00478	0.00020	0.005000	0	95.6	75	125	0.004750	0.630	15	

Sample ID: MB-63801	SampType: MBLK	Units: µg/L				Prep Date: 10/19/2010			RunNo: 141481		
Client ID: ZZZZZZ	Batch ID: 63801	SOP 3062				Analysis Date: 10/19/2010			SeqNo: 2764864		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW7470 A

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCS-63801	SampType: LCS	Units: µg/L			Prep Date: 10/19/2010	RunNo: 141481					
Client ID: ZZZZZZ	Batch ID: 63801	SOP 3062			Analysis Date: 10/19/2010	SeqNo: 2764865					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.17	0.20	5.000	0	103.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCS-T101018-2	SampType: LCS	Units: µg/L				Prep Date: 10/18/2010			RunNo: 141489		
Client ID: ZZZZZZ	Batch ID: 63812	SW5030				Analysis Date: 10/18/2010			SeqNo: 2765005		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.4	2.0	50.00	0	90.7	82.7	117				
Toluene	48.8	5.0	50.00	0	97.6	79.6	116				
Ethylbenzene	50.4	5.0	50.00	0	100.9	83	113				
Xylenes, Total	152	5.0	150.0	0	101.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.9	74.7	129				
Surr: 4-Bromofluorobenzene	49.2		50.00		98.5	86	119				
Surr: Dibromofluoromethane	50.1		50.00		100.1	81.7	123				
Surr: Toluene-d8	52.4		50.00		104.8	84.3	114				

Sample ID: LCSD-T101018-2	SampType: LCSD	Units: µg/L				Prep Date: 10/18/2010			RunNo: 141489		
Client ID: ZZZZZZ	Batch ID: 63812	SW5030				Analysis Date: 10/19/2010			SeqNo: 2765006		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.3	2.0	50.00	0	86.5	82.7	117	45.37	4.74	20	
Toluene	46.4	5.0	50.00	0	92.8	79.6	116	48.82	5.10	20	
Ethylbenzene	48.2	5.0	50.00	0	96.3	83	113	50.43	4.60	20	
Xylenes, Total	146	5.0	150.0	0	97.6	80.3	120	152.1	3.79	20	
Surr: 1,2-Dichloroethane-d4	51.8		50.00		103.7	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	48.3		50.00		96.5	86	119		0	20	
Surr: Dibromofluoromethane	49.8		50.00		99.7	81.7	123		0	20	
Surr: Toluene-d8	52.0		50.00		104.1	84.3	114		0	20	

Sample ID: MBLK-T101018-2	SampType: MBLK	Units: µg/L			Prep Date: 10/18/2010			RunNo: 141489			
Client ID: ZZZZZZ	Batch ID: 63812	SW5030			Analysis Date: 10/19/2010			SeqNo: 2765007			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8260B

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: MBLK-T101018-2		SampType: MBLK		Units: µg/L		Prep Date: 10/18/2010		RunNo: 141489			
Client ID: ZZZZZZ		Batch ID: 63812		SW5030		Analysis Date: 10/19/2010		SeqNo: 2765007			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	51.8		50.00		103.6	74.7	129				
Surr: 4-Bromofluorobenzene	50.6		50.00		101.2	86	119				
Surr: Dibromofluoromethane	49.2		50.00		98.5	81.7	123				
Surr: Toluene-d8	51.8		50.00		103.5	84.3	114				

Sample ID: 10100721-002EMS	SampType: MS	Units: µg/L				Prep Date: 10/18/2010				RunNo: 141489		
Client ID: 2169-treated-10/18/1	Batch ID: 63812	SW5030				Analysis Date: 10/19/2010				SeqNo: 2765020		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benzene	55.3	2.0	60.00	0	92.2	57.8	125				
Toluene	61.4	5.0	60.00	0	102.4	75.8	123				
Ethylbenzene	65.2	5.0	60.00	0	108.7	72.8	123				
Xylenes, Total	123	5.0	120.0	2.410	100.6	73	127				
Surr: 1,2-Dichloroethane-d4	51.0		50.00		102.0	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.5	86	119				
Surr: Dibromofluoromethane	49.2		50.00		98.5	81.7	123				
Surr: Toluene-d8	51.2		50.00		102.4	84.3	114				

Sample ID: 10100721-002EMSD	SampType: MSD	Units: µg/L			Prep Date: 10/18/2010			RunNo: 141489			
Client ID: 2169-treated-10/18/1	Batch ID: 63812	SW5030			Analysis Date: 10/19/2010			SeqNo: 2765021			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	55.6	2.0	60.00	0	92.6	57.8	125	55.31	0.451	20	
Toluene	57.5	5.0	60.00	0	95.9	75.8	123	61.43	6.54	20	
Ethylbenzene	64.0	5.0	60.00	0	106.7	72.8	123	65.22	1.84	20	
Xylenes, Total	122	5.0	120.0	2.410	99.8	73	127	123.1	0.734	20	
Surr: 1,2-Dichloroethane-d4	52.5		50.00		105.0	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.1		50.00		98.2	86	119		0	0	
Surr: Dibromofluoromethane	50.2		50.00		100.4	81.7	123		0	0	
Surr: Toluene-d8	48.9		50.00		97.7	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: MB-63782		SampType: MBLK		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141492			
Client ID: ZZZZZZ		Batch ID: 63782		SW3510C		Analysis Date: 10/19/2010		SeqNo: 2765715			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00424		0.005000		84.7	41.9	97.9				
Surr: 2-Fluorophenol	0.00644		0.01000		64.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00434		0.005000		86.9	39.9	106				
Surr: Phenol-d5	0.00361		0.01000		36.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00571		0.005000		114.2	53	116				

Sample ID: LCS-63782		SampType: LCS			Units: mg/L		Prep Date: 10/18/2010			RunNo: 141492		
Client ID: ZZZZZZ		Batch ID: 63782			SW3510C		Analysis Date: 10/19/2010			SeqNo: 2765716		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00434	0.00010	0.005000	0	86.8	50.1	103				
Acenaphthylene	0.00452	0.00010	0.005000	0	90.4	53.3	122				
Anthracene	0.00512	0.00010	0.005000	0	102.4	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCS-63782		SampType: LCS		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141492			
Client ID: ZZZZZZ		Batch ID: 63782		SW3510C		Analysis Date: 10/19/2010		SeqNo: 2765716			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00482	0.00010	0.005000	0	96.4	56	102				
Benzo(a)pyrene	0.00542	0.00010	0.005000	0	108.5	55.4	125				
Benzo(b)fluoranthene	0.00488	0.00010	0.005000	0	97.6	59.3	127				
Benzo(g,h,i)perylene	0.00536	0.00010	0.005000	0	107.2	58.4	125				
Benzo(k)fluoranthene	0.00476	0.00010	0.005000	0	95.2	61.5	125				
Chrysene	0.00518	0.00010	0.005000	0	103.6	58.7	118				
Dibenzo(a,h)anthracene	0.00519	0.00010	0.005000	0	103.8	59.3	126				
Fluoranthene	0.00555	0.00010	0.005000	0	111.0	60.1	117				
Fluorene	0.00454	0.00010	0.005000	0	90.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00517	0.00010	0.005000	0	103.4	58.1	123				
Naphthalene	0.00420	0.00010	0.005000	0	83.9	36.3	97.1				
Phenanthrene	0.00504	0.00010	0.005000	0	100.8	55.9	107				
Pyrene	0.00558	0.00010	0.005000	0	111.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00401		0.005000		80.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00503		0.01000		50.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00413		0.005000		82.6	39.9	106				
Surr: Phenol-d5	0.00320		0.01000		32.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00526		0.005000		105.3	53	116				

Sample ID: LCSD-63782		SampType: LCSD		Units: mg/L		Prep Date: 10/18/2010		RunNo: 141492			
Client ID: ZZZZZZ		Batch ID: 63782		SW3510C		Analysis Date: 10/19/2010		SeqNo: 2765717			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00446	0.00010	0.005000	0	89.1	50.1	103	0.004339	2.66	50	
Acenaphthylene	0.00451	0.00010	0.005000	0	90.1	53.3	122	0.004520	0.288	50	
Anthracene	0.00512	0.00010	0.005000	0	102.5	57.4	110	0.005119	0.117	50	
Benzo(a)anthracene	0.00487	0.00010	0.005000	0	97.4	56	102	0.004819	1.05	50	
Benzo(a)pyrene	0.00526	0.00010	0.005000	0	105.3	55.4	125	0.005424	3.01	50	
Benzo(b)fluoranthene	0.00532	0.00010	0.005000	0	106.3	59.3	127	0.004882	8.51	50	
Benzo(g,h,i)perylene	0.00532	0.00010	0.005000	0	106.4	58.4	125	0.005358	0.731	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW8270C

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: LCSD-63782	SampType: LCSD	Units: mg/L				Prep Date: 10/18/2010			RunNo: 141492		
Client ID: ZZZZZZ	Batch ID: 63782	SW3510C				Analysis Date: 10/19/2010			SeqNo: 2765717		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00518	0.00010	0.005000	0	103.6	61.5	125	0.004760	8.41	50	
Chrysene	0.00518	0.00010	0.005000	0	103.7	58.7	118	0.005178	0.116	50	
Dibenzo(a,h)anthracene	0.00507	0.00010	0.005000	0	101.3	59.3	126	0.005191	2.42	50	
Fluoranthene	0.00554	0.00010	0.005000	0	110.9	60.1	117	0.005550	0.108	50	
Fluorene	0.00464	0.00010	0.005000	0	92.8	54.1	110	0.004539	2.24	50	
Indeno(1,2,3-cd)pyrene	0.00505	0.00010	0.005000	0	101.0	58.1	123	0.005170	2.33	50	
Naphthalene	0.00410	0.00010	0.005000	0	82.0	36.3	97.1	0.004196	2.36	50	
Phenanthrene	0.00501	0.00010	0.005000	0	100.3	55.9	107	0.005042	0.557	50	
Pyrene	0.00534	0.00010	0.005000	0	106.9	61.4	116	0.005584	4.37	50	
Surr: 2-Fluorobiphenyl	0.00430		0.005000		86.1	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00584		0.01000		58.4	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00417		0.005000		83.3	39.9	106		0	50	
Surr: Phenol-d5	0.00331		0.01000		33.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00487		0.005000		97.3	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: MB-R141544		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141544		
Client ID: ZZZZZZ		Batch ID: R141544			Analysis Date: 10/19/2010			SeqNo: 2766587				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R141544		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141544		
Client ID: ZZZZZZ		Batch ID: R141544			Analysis Date: 10/19/2010			SeqNo: 2766588				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.025	0.007	0.02500	0	100.6	90	110				
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Sample ID: MB-R141544	SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141544		
Client ID: ZZZZZZ	Batch ID: R141544			Analysis Date: 10/19/2010			SeqNo: 2766603				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R141544		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141544		
Client ID: ZZZZZZ		Batch ID: R141544			Analysis Date: 10/19/2010			SeqNo: 2766604				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.023	0.007	0.02500	0	90.8	90	110				
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Sample ID: 10100721-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 141549		
Client ID: 218-treated-10/18/10		Batch ID: R141549			Analysis Date: 10/20/2010			SeqNo: 2766654				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.096	0.028	0.02500	0.07496	82.4	75	125				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10100721

Report Date: 26-Oct-10

Sample ID: 10100721-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 141549			
Client ID: 218-treated-10/18/10	Batch ID: R141549				Analysis Date: 10/20/2010			SeqNo: 2766655			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.103	0.028	0.02500	0.07496	113.4	75	125	0.09555	7.80	15	
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Sample ID: MB-R141549	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 141549			
Client ID: ZZZZZZ	Batch ID: R141549				Analysis Date: 10/20/2010			SeqNo: 2766705			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R141549	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141549			
Client ID: ZZZZZZ	Batch ID: R141549				Analysis Date: 10/20/2010			SeqNo: 2766707			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.023	0.007	0.02500	0	90.8	85	115				
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Sample ID: MB-R141549	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 141549			
Client ID: ZZZZZZ	Batch ID: R141549				Analysis Date: 10/20/2010			SeqNo: 2768107			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R141549	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141549			
Client ID: ZZZZZZ	Batch ID: R141549				Analysis Date: 10/20/2010			SeqNo: 2768181			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.025	0.007	0.02500	0	101.5	85	115				
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100721

Report Date: 26-Oct-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

18-Oct-10

Dawn Brantley

Reviewed by:

On:

18-Oct-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 7.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09947

10100721

Project Name: Ameren Champagne		Project Mgr.: P. Sazama	
Project Number: 624-0908-0120		Cost Code: J0002	
Sampler(s): J. Crompton			
Laboratory	Name: Teklab		
	Location: Collinsville		
Sample Number and (depth)		Date	Time
218 - treated - 10/18/10		10/18/10	0835
2169 - treated - 10/18/10		"	0910
Matrix			
Soil			
Water			
Air			
Wipes			
Other *			
Total Number of Containers			
Analyses by Method Name and Number			
BTX 8260		X	X
SVOCs 8170 SIM		X	X
PCA Metals		X	X
Total + Amenable		X	X
CYANIDE		X	X
TSS		X	X
PH		X	X
BOD5		X	X
Comments (Field PID)		Lab ID #'s	
*RE-SAMPLE		10100726	
ECSM		002	
10/14/10			
Teklab, Inc.			
Courier PickUp			
1 DAY			
PRES. ✓ DB / GAT 10/18/10			
Lab Directives:			
Requested TAT: Rush		STD	
Fax and/or Mail Results to: P. Sazama and L. Hoosier		Other	
Send Invoice to:			
QC Deliverable Requested: Full QC & Limits		CLP-LIKE	
Special Guidelines:		EDD	
Reporting Limits:		Other	
* Special:			
Samples Iced:		Yes No	
Preservatives (ONLY for Water Samples)			
Volatile Organics		Hydrochloric acid (HCl)	
VOC Soil (5035)		Sodium Bisulfate/Methanol	
TPH		Hydrochloric acid and/or Sulfuric acid	
Metals		Nitric acid (HNO3)	
Cyanide		Sodium hydroxide (NaOH)	
Other (Specify)			
Shipping:			
Carrier / Airbill No.			
Relinquished by:			
Signature			
Date		Time	
10/18/10		1025	
10/18/10		1325	
Received by:			
Signature			
Date		Time	
10/18/10		1025	
10/18/10		1325	

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

October 27, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225/Ameren Champaign
6240908012

WorkOrder: 10100914

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 10/22/2010 8:15:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100914

Report Date: 27-Oct-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10100914-001	4091-treated-10/21/10	5	10/21/2010 10:15:00 AM
10100914-002	6785-treated-10/21/10	5	10/21/2010 10:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225/Ameren Champaign 6240908012

LabOrder: 10100914

Report Date: 27-Oct-10

Cooler Receipt Temp: 4.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100914

Lab ID: 10100914-001

Report Date: 27-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 4091-treated-10/21/10

Collection Date: 10/21/2010 10:15:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.38		1	10/22/2010 3:02:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	10/22/2010 10:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		14	mg/L	1	10/22/2010 12:40:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/23/2010 5:10:12 PM	LAL
Barium	NELAP	0.0050		0.158	mg/L	1	10/23/2010 5:10:12 PM	LAL
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	10/23/2010 5:10:12 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/23/2010 5:10:12 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/23/2010 5:10:12 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/23/2010 5:10:12 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/25/2010 12:56:42 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	10/22/2010 3:42:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		79.5	%REC	1	10/22/2010 3:42:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		38.2	%REC	1	10/22/2010 3:42:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		82.8	%REC	1	10/22/2010 3:42:00 PM	MAV
Surr: Phenol-d5		11-42.8		24.9	%REC	1	10/22/2010 3:42:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		101.3	%REC	1	10/22/2010 3:42:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP**WorkOrder:** 10100914**Lab ID:** 10100914-001**Report Date:** 27-Oct-10**Client Project:** A831-735002-012901-225/Ameren C**Client Sample ID:** 4091-treated-10/21/10**Collection Date:** 10/21/2010 10:15:00 AM**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/22/2010 12:04:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/22/2010 12:04:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	10/22/2010 12:04:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/22/2010 12:04:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		104.6	%REC	1	10/22/2010 12:04:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		97.6	%REC	1	10/22/2010 12:04:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		100.8	%REC	1	10/22/2010 12:04:00 PM	TAL
Surr: Toluene-d8		84.3-114		104.6	%REC	1	10/22/2010 12:04:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/22/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.030		< 0.030	mg/L	4	10/25/2010 11:24:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.030	S	0.065	mg/L	4	10/25/2010 11:24:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample, confirmed by reanalysis.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100914

Lab ID: 10100914-002

Report Date: 27-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-10/21/10

Collection Date: 10/21/2010 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.72		1	10/22/2010 3:02:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	10/22/2010 10:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		15	mg/L	1	10/22/2010 12:50:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/23/2010 5:15:53 PM	LAL
Barium	NELAP	0.0050		0.194	mg/L	1	10/23/2010 5:15:53 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	10/23/2010 5:15:53 PM	LAL
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/23/2010 5:15:53 PM	LAL
Selenium	NELAP	0.0500	J	0.022	mg/L	1	10/23/2010 5:15:53 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/23/2010 5:15:53 PM	LAL
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/25/2010 1:20:20 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	10/22/2010 4:19:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		59.9	%REC	1	10/22/2010 4:19:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		32.9	%REC	1	10/22/2010 4:19:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		67.9	%REC	1	10/22/2010 4:19:00 PM	MAV
Surr: Phenol-d5		11-42.8		16.0	%REC	1	10/22/2010 4:19:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		59.7	%REC	1	10/22/2010 4:19:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10100914

Lab ID: 10100914-002

Report Date: 27-Oct-10

Client Project: A831-735002-012901-225/Ameren C

Client Sample ID: 6785-treated-10/21/10

Collection Date: 10/21/2010 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/22/2010 12:35:00 PM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/22/2010 12:35:00 PM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	10/22/2010 12:35:00 PM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/22/2010 12:35:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		104.8	%REC	1	10/22/2010 12:35:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		98.6	%REC	1	10/22/2010 12:35:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		100.6	%REC	1	10/22/2010 12:35:00 PM	TAL
Surr: Toluene-d8		84.3-114		99.7	%REC	1	10/22/2010 12:35:00 PM	TAL
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/22/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.029		< 0.029	mg/L	4	10/25/2010 11:24:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.007		0.046	mg/L	1	10/25/2010 11:24:00 AM	KNS

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225/Ameren Champaign 6240908012**Lab Order:** 10100914**Report Date:** 27-Oct-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10100914-001A	4091-treated-10/21/10	10/21/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/22/2010 11:50:53 AM	10/22/2010 3:42:00 PM
10100914-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/22/2010 3:02:00 PM
				Standard Methods 18th Ed. 2540 D		10/22/2010 10:00:00 AM
				Standard Methods 18th Ed. 5210 B	10/22/2010 12:40:00 PM	10/22/2010 12:40:00 PM
10100914-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/22/2010 12:04:00 PM	10/23/2010 5:10:12 PM
				SW-846 3020A, Metals by GFAA (Total)	10/22/2010 11:30:38 AM	10/25/2010 12:56:42 PM
				SW-846 7470A (Total)	10/22/2010 8:54:12 AM	10/22/2010
10100914-001D				SW-846 9012A		10/25/2010 11:24:00 AM
				SW-846 9012A (Total)		10/25/2010 11:24:00 AM
10100914-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/22/2010 12:04:00 PM
10100914-002A	6785-treated-10/21/10			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/22/2010 11:50:53 AM	10/22/2010 4:19:00 PM
10100914-002B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/22/2010 3:02:00 PM
				Standard Methods 18th Ed. 2540 D		10/22/2010 10:00:00 AM
				Standard Methods 18th Ed. 5210 B	10/22/2010 12:50:00 PM	10/22/2010 12:50:00 PM
10100914-002C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/22/2010 12:04:00 PM	10/23/2010 5:15:53 PM
				SW-846 3020A, Metals by GFAA (Total)	10/22/2010 11:30:38 AM	10/25/2010 1:20:20 PM
				SW-846 7470A (Total)	10/22/2010 8:54:12 AM	10/22/2010
10100914-002D				SW-846 9012A		10/25/2010 11:24:00 AM
				SW-846 9012A (Total)		10/25/2010 11:24:00 AM
10100914-002E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/22/2010 12:35:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: A_TCND_S_AT_9012A

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MB-R141726		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141726		
Client ID: ZZZZZZ		Batch ID: R141726					Analysis Date: 10/25/2010			SeqNo: 2771888		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R141726		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141726		
Client ID: ZZZZZZ		Batch ID: R141726					Analysis Date: 10/25/2010			SeqNo: 2771889		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.025	0.007	0.02500	0	101.3	85	115					

Sample ID: 10100914-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 141726		
Client ID: 4091-treated-10/21/1		Batch ID: R141726					Analysis Date: 10/25/2010			SeqNo: 2771895		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.099	0.028	0.02500	0.06463	139.2	75	125				S	

Sample ID: 10100914-001DMSD		SampType: MSD			Units: mg/L		Prep Date:			RunNo: 141726		
Client ID: 4091-treated-10/21/1		Batch ID: R141726					Analysis Date: 10/25/2010			SeqNo: 2771896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	0.093	0.028	0.02500	0.06463	114.3	75	125	0.09944	6.45	15		

Sample ID: MB-R141726		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 141726		
Client ID: ZZZZZZ		Batch ID: R141726					Analysis Date: 10/25/2010			SeqNo: 2772733		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide	< 0.007	0.007										

Sample ID: LCS-R141726		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141726		
Client ID: ZZZZZZ		Batch ID: R141726					Analysis Date: 10/25/2010			SeqNo: 2772734		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: A_TCND_S_AT_9012A

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCS-R141726		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 141726			
Client ID: ZZZZZZ		Batch ID: R141726				Analysis Date: 10/25/2010		SeqNo: 2772734			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.029	0.007	0.02500	0	114.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_BOD_M_AT

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCS-63909	SampType: LCS	Units: mg/L			Prep Date: 10/22/2010			RunNo: 141813			
Client ID: ZZZZZZ	Batch ID: 63909	SOP 2030			Analysis Date: 10/22/2010			SeqNo: 2774082			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	182	5	198.0	0	91.9	84.6	115.4				

Sample ID: 10100914-002B-DUP	SampType: DUP	Units: mg/L			Prep Date: 10/22/2010			RunNo: 141813			
Client ID: 6785-treated-10/21/1	Batch ID: 63909	SOP 2030			Analysis Date: 10/22/2010			SeqNo: 2774085			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	15	5						15.00	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_PH_M_AT_NF

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCS-R141659	SampType: LCS	Units:			Prep Date:			RunNo: 141659			
Client ID: ZZZZZZ	Batch ID: R141659				Analysis Date: 10/22/2010			SeqNo: 2769778			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.02	1.00	7.000	0	100.3	99.1	100.9				

Sample ID: 10100914-002BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 141659			
Client ID: 6785-treated-10/21/1	Batch ID: R141659				Analysis Date: 10/22/2010			SeqNo: 2769785			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	8.73	1.00						8.720	0.115	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_TSS_M_AT

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MB-R141651	SampType: MBLK	Units: mg/L				Prep Date:			RunNo: 141651		
Client ID: ZZZZZZ	Batch ID: R141651					Analysis Date: 10/22/2010			SeqNo: 2769489		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Sample ID: LCS-R141651	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141651		
Client ID: ZZZZZZ	Batch ID: R141651					Analysis Date: 10/22/2010			SeqNo: 2769490		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	88	6	100.0	0	88.0	85	115				

Sample ID: 10100914-001BDUP	SampType: DUP	Units: mg/L				Prep Date:			RunNo: 141651		
Client ID: 4091-treated-10/21/1	Batch ID: R141651					Analysis Date: 10/22/2010			SeqNo: 2769508		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Sample ID: LCS-R141651	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141651		
Client ID: ZZZZZZ	Batch ID: R141651					Analysis Date: 10/22/2010			SeqNo: 2769511		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	95	6	100.0	0	95.0	85	115				

Sample ID: LCS-R141651	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141651		
Client ID: ZZZZZZ	Batch ID: R141651					Analysis Date: 10/22/2010			SeqNo: 2769514		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	94	6	100.0	0	94.0	85	115				

Sample ID: LCS-R141651	SampType: LCS	Units: mg/L				Prep Date:			RunNo: 141651		
Client ID: ZZZZZZ	Batch ID: R141651					Analysis Date: 10/22/2010			SeqNo: 2769524		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: I_TSS_M_AT

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCS-R141651		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 141651			
Client ID: ZZZZZZ		Batch ID: R141651				Analysis Date: 10/22/2010		SeqNo: 2769524			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90	6	100.0	0	90.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_GF_ST

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MB-63896	SampType: MBLK	Units: mg/L	Prep Date: 10/22/2010	RunNo: 141729							
Client ID: ZZZZZZ	Batch ID: 63896	SOP 3044	Analysis Date: 10/25/2010	SeqNo: 2772080							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-63896		SampType: LCS		Units: mg/L		Prep Date: 10/22/2010			RunNo: 141729		
Client ID: ZZZZZZ		Batch ID: 63896		SOP 3044		Analysis Date: 10/25/2010			SeqNo: 2772081		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0143	0.0020	0.01500	0	95.4	80	120			
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Sample ID: 10100914-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/22/2010		RunNo: 141729			
Client ID: 4091-treated-10/21/1		Batch ID: 63896		SOP 3044		Analysis Date: 10/25/2010		SeqNo: 2772083			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0143	0.0020	0.01500	0	95.3	70	130			
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Sample ID: 10100914-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/22/2010		RunNo: 141729			
Client ID: 4091-treated-10/21/1		Batch ID: 63896		SOP 3044		Analysis Date: 10/25/2010		SeqNo: 2772088			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0140	0.0020	0.01500	0	93.6	70	130	0.01430	1.86	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_AQ_ICP_ST

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MB-63900	SampType: MBLK	Units: mg/L				Prep Date: 10/22/2010			RunNo: 141666		
Client ID: ZZZZZZ	Batch ID: 63900	SOP 3034				Analysis Date: 10/23/2010			SeqNo: 2770133		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63900	SampType: LCS	Units: mg/L				Prep Date: 10/22/2010			RunNo: 141666		
Client ID: ZZZZZZ	Batch ID: 63900	SOP 3034				Analysis Date: 10/23/2010			SeqNo: 2770137		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	85	115				
Barium	2.12	0.0050	2.000	0	106.2	85	115				
Cadmium	0.0516	0.0020	0.05000	0	103.2	85	115				
Chromium	0.221	0.0100	0.2000	0	110.6	85	115				
Selenium	2.18	0.0500	2.000	0	109.1	85	115				
Silver	0.0546	0.0100	0.05000	0	109.2	85	115				

Sample ID: 10100914-002CMS	SampType: MS	Units: mg/L				Prep Date: 10/22/2010			RunNo: 141666		
Client ID: 6785-treated-10/21/1	Batch ID: 63900	SOP 3034				Analysis Date: 10/23/2010			SeqNo: 2770140		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.99	0.0250	2.000	0	99.4	75	125				
Barium	2.01	0.0050	2.000	0.1943	90.9	75	125				
Cadmium	0.0454	0.0020	0.05000	0	90.8	75	125				
Chromium	0.196	0.0100	0.2000	0	97.8	75	125				
Selenium	2.05	0.0500	2.000	0.02200	101.4	75	125				
Silver	0.0483	0.0100	0.05000	0	96.6	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100914

Report Date: 27-Oct-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 10100914-002CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/22/2010		RunNo: 141666			
Client ID: 6785-treated-10/21/1		Batch ID: 63900		SOP 3034		Analysis Date: 10/23/2010		SeqNo: 2770141			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.0250	2.000	0	100	75	125	1.987	0.702	20	
Barium	2.06	0.0050	2.000	0.1943	93.1	75	125	2.012	2.21	20	
Cadmium	0.0467	0.0020	0.05000	0	93.4	75	125	0.04540	2.82	20	
Chromium	0.204	0.0100	0.2000	0	102.2	75	125	0.1955	4.50	20	
Selenium	2.09	0.0500	2.000	0.02200	103.5	75	125	2.050	2.03	20	
Silver	0.0490	0.0100	0.05000	0	98.0	75	125	0.04830	1.44	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: M_HG_AQ_S

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MB-63898	SampType: MBLK	Units: mg/L			Prep Date: 10/22/2010			RunNo: 141652			
Client ID: ZZZZZZ	Batch ID: 63898	SOP 3062			Analysis Date: 10/22/2010			SeqNo: 2769567			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63898	SampType: LCS	Units: mg/L			Prep Date: 10/22/2010			RunNo: 141652			
Client ID: ZZZZZZ	Batch ID: 63898	SOP 3062			Analysis Date: 10/22/2010			SeqNo: 2769568			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00484	0.00020	0.005000	0	96.8	85	115				

Sample ID: 10100914-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/22/2010			RunNo: 141652		
Client ID: 4091-treated-10/21/1		Batch ID: 63898		SOP 3062		Analysis Date: 10/22/2010			SeqNo: 2769626		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00463	0.00020	0.005000	0	92.6	75	125				

Sample ID: 10100914-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 10/22/2010			RunNo: 141652		
Client ID: 4091-treated-10/21/1	Batch ID: 63898	SOP 3062				Analysis Date: 10/22/2010			SeqNo: 2769627		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00457	0.00020	0.005000	0	91.4	75	125	0.004630	1.30	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MB-63873	SampType: MBLK	Units: mg/L			Prep Date: 10/21/2010			RunNo: 141656			
Client ID: ZZZZZZ	Batch ID: 63873	SW3510C			Analysis Date: 10/22/2010			SeqNo: 2769832			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0231		0.02500		92.5	41.9	97.9				
Surr: 2-Fluorophenol	0.0266		0.05000		53.1	16.1	79.2				
Surr: Nitrobenzene-d5	0.0239		0.02500		95.6	39.9	106				
Surr: Phenol-d5	0.0164		0.05000		32.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.0249		0.02500		99.5	53	116				

Sample ID: LCS-63873	SampType: LCS	Units: mg/L				Prep Date: 10/21/2010			RunNo: 141656		
Client ID: ZZZZZZ	Batch ID: 63873	SW3510C				Analysis Date: 10/22/2010			SeqNo: 2769833		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00315	0.00010	0.005000	0	63.0	50.1	103				
Acenaphthylene	0.00334	0.00010	0.005000	0	66.8	53.3	122				
Anthracene	0.00333	0.00010	0.005000	0	66.6	57.4	110				
Benzo(a)anthracene	0.00325	0.00010	0.005000	0	65.1	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCS-63873		SampType: LCS		Units: mg/L		Prep Date: 10/21/2010		RunNo: 141656			
Client ID: ZZZZZZ		Batch ID: 63873		SW3510C		Analysis Date: 10/22/2010		SeqNo: 2769833			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00356	0.00010	0.005000	0	71.2	55.4	125				
Benzo(b)fluoranthene	0.00352	0.00010	0.005000	0	70.4	59.3	127				
Benzo(g,h,i)perylene	0.00384	0.00010	0.005000	0	76.9	58.4	125				
Benzo(k)fluoranthene	0.00346	0.00010	0.005000	0	69.1	61.5	125				
Chrysene	0.00344	0.00010	0.005000	0	68.7	58.7	118				
Dibenzo(a,h)anthracene	0.00354	0.00010	0.005000	0	70.9	59.3	126				
Fluoranthene	0.00368	0.00010	0.005000	0	73.6	60.1	117				
Fluorene	0.00328	0.00010	0.005000	0	65.6	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00361	0.00010	0.005000	0	72.2	58.1	123				
Naphthalene	0.00314	0.00010	0.005000	0	62.8	36.3	97.1				
Phenanthrene	0.00337	0.00010	0.005000	0	67.3	55.9	107				
Pyrene	0.00357	0.00010	0.005000	0	71.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.0177		0.02500		70.7	41.9	97.9				
Surr: 2-Fluorophenol	0.0274		0.05000		54.8	16.1	79.2				
Surr: Nitrobenzene-d5	0.0187		0.02500		74.8	39.9	106				
Surr: Phenol-d5	0.0170		0.05000		34.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.0220		0.02500		87.9	53	116				

Sample ID: LCSD-63873		SampType: LCSD		Units: mg/L		Prep Date: 10/21/2010		RunNo: 141656			
Client ID: ZZZZZZ		Batch ID: 63873		SW3510C		Analysis Date: 10/22/2010		SeqNo: 2769836			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00352	0.00010	0.005000	0	70.4	50.1	103	0.003149	11.1	50	
Acenaphthylene	0.00368	0.00010	0.005000	0	73.6	53.3	122	0.003340	9.66	50	
Anthracene	0.00399	0.00010	0.005000	0	79.8	57.4	110	0.003329	18.0	50	
Benzo(a)anthracene	0.00357	0.00010	0.005000	0	71.4	56	102	0.003253	9.29	50	
Benzo(a)pyrene	0.00376	0.00010	0.005000	0	75.3	55.4	125	0.003558	5.63	50	
Benzo(b)fluoranthene	0.00441	0.00010	0.005000	0	88.2	59.3	127	0.003518	22.5	50	
Benzo(g,h,i)perylene	0.00456	0.00010	0.005000	0	91.2	58.4	125	0.003843	17.0	50	
Benzo(k)fluoranthene	0.00434	0.00010	0.005000	0	86.8	61.5	125	0.003457	22.6	50	
Chrysene	0.00377	0.00010	0.005000	0	75.4	58.7	118	0.003437	9.27	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: SV_8270S_W_SIMS

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCSD-63873	SampType: LCSD	Units: mg/L			Prep Date: 10/21/2010			RunNo: 141656			
Client ID: ZZZZZZ	Batch ID: 63873	SW3510C			Analysis Date: 10/22/2010			SeqNo: 2769836			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.00405	0.00010	0.005000	0	80.9	59.3	126	0.003544	13.2	50	
Fluoranthene	0.00435	0.00010	0.005000	0	87.0	60.1	117	0.003679	16.8	50	
Fluorene	0.00369	0.00010	0.005000	0	73.7	54.1	110	0.003279	11.7	50	
Indeno(1,2,3-cd)pyrene	0.00399	0.00010	0.005000	0	79.9	58.1	123	0.003608	10.1	50	
Naphthalene	0.00345	0.00010	0.005000	0	69.0	36.3	97.1	0.003140	9.44	50	
Phenanthrene	0.00392	0.00010	0.005000	0	78.3	55.9	107	0.003366	15.1	50	
Pyrene	0.00432	0.00010	0.005000	0	86.4	61.4	116	0.003574	18.9	50	
Surr: 2-Fluorobiphenyl	0.0178		0.02500		71.3	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.0255		0.05000		51.0	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.0177		0.02500		70.8	39.9	106		0	50	
Surr: Phenol-d5	0.0140		0.05000		28.1	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.0239		0.02500		95.4	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: LCS-T101022-1	SampType: LCS	Units: µg/L				Prep Date: 10/22/2010			RunNo: 141706		
Client ID: ZZZZZZ	Batch ID: 63932	SW5030				Analysis Date: 10/22/2010			SeqNo: 2771454		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.0	2.0	50.00	0	90.0	82.7	117				
Toluene	48.0	5.0	50.00	0	96.0	79.6	116				
Ethylbenzene	51.1	5.0	50.00	0	102.2	83	113				
Xylenes, Total	152	5.0	150.0	0	101.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	74.7	129				
Surr: 4-Bromofluorobenzene	50.8		50.00		101.5	86	119				
Surr: Dibromofluoromethane	49.8		50.00		99.6	81.7	123				
Surr: Toluene-d8	50.3		50.00		100.6	84.3	114				

Sample ID: LCSD-T101022-1	SampType: LCSD	Units: µg/L				Prep Date: 10/22/2010			RunNo: 141706		
Client ID: ZZZZZZ	Batch ID: 63932	SW5030				Analysis Date: 10/22/2010			SeqNo: 2771455		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.0	2.0	50.00	0	87.9	82.7	117	44.98	2.27	20	
Toluene	47.1	5.0	50.00	0	94.2	79.6	116	47.98	1.83	20	
Ethylbenzene	49.0	5.0	50.00	0	97.9	83	113	51.12	4.32	20	
Xylenes, Total	148	5.0	150.0	0	98.6	80.3	120	152.0	2.74	20	
Surr: 1,2-Dichloroethane-d4	51.9		50.00		103.9	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	49.3		50.00		98.7	86	119		0	20	
Surr: Dibromofluoromethane	50.1		50.00		100.2	81.7	123		0	20	
Surr: Toluene-d8	51.7		50.00		103.4	84.3	114		0	20	

Sample ID: MBLK-T101022-1	SampType: MBLK	Units: µg/L			Prep Date: 10/22/2010			RunNo: 141706			
Client ID: ZZZZZZ	Batch ID: 63932	SW5030			Analysis Date: 10/22/2010			SeqNo: 2771456			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225/Ameren Champaign 6240908012

TestCode: V_BTEX_W

Lab Order: 10100914

Report Date: 27-Oct-10

Sample ID: MBLK-T101022-1	SampType: MBLK	Units: µg/L				Prep Date: 10/22/2010			RunNo: 141706		
Client ID: ZZZZZZ	Batch ID: 63932	SW5030				Analysis Date: 10/22/2010			SeqNo: 2771456		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.0		50.00		106.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119				
Surr: Dibromofluoromethane	50.2		50.00		100.5	81.7	123				
Surr: Toluene-d8	49.5		50.00		98.9	84.3	114				

Sample ID: 10100914-002EMS	SampType: MS	Units: µg/L				Prep Date: 10/22/2010			RunNo: 141706		
Client ID: 6785-treated-10/21/1	Batch ID: 63932	SW5030				Analysis Date: 10/22/2010			SeqNo: 2771459		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	55.8	2.0	60.00	0	93.0	57.8	125				
Toluene	59.7	5.0	60.00	0	99.4	75.8	123				
Ethylbenzene	64.5	5.0	60.00	0	107.4	72.8	123				
Xylenes, Total	126	5.0	120.0	0	105.1	73	127				
Surr: 1,2-Dichloroethane-d4	53.4		50.00		106.8	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.4	86	119				
Surr: Dibromofluoromethane	50.2		50.00		100.3	81.7	123				
Surr: Toluene-d8	50.4		50.00		100.9	84.3	114				

Sample ID: 10100914-002EMSD	SampType: MSD	Units: µg/L				Prep Date: 10/22/2010			RunNo: 141706		
Client ID: 6785-treated-10/21/1	Batch ID: 63932	SW5030				Analysis Date: 10/22/2010			SeqNo: 2771460		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56.4	2.0	60.00	0	94.0	57.8	125	55.80	1.05	20	
Toluene	60.2	5.0	60.00	0	100.4	75.8	123	59.67	0.967	20	
Ethylbenzene	64.1	5.0	60.00	0	106.8	72.8	123	64.47	0.622	20	
Xylenes, Total	124	5.0	120.0	0	103.1	73	127	126.1	1.90	20	
Surr: 1,2-Dichloroethane-d4	52.4		50.00		104.7	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.2		50.00		104.4	86	119		0	0	
Surr: Dibromofluoromethane	50.5		50.00		101.1	81.7	123		0	0	
Surr: Toluene-d8	49.6		50.00		99.3	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225/Ameren Champaign 6240908012

Lab Order: 10100914

Report Date: 27-Oct-10

Carrier: Kelly Klostermann

Received By: DB

Completed by:

On:

22-Oct-10

Dawn Brantley

Reviewed by:

On:

22-Oct-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

November 01, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 10101091

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 10/26/2010 4:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10101091

Report Date: 01-Nov-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10101091-001	2169-treated-10/25/10	5	10/25/2010 1:35:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 10101091

Report Date: 01-Nov-10

Cooler Receipt Temp: 3.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10101091

Lab ID: 10101091-001

Report Date: 01-Nov-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 2169-treated-10/25/10

Collection Date: 10/25/2010 1:35:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.01		1	10/27/2010 2:32:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		22	mg/L	1	10/27/2010 10:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		12	mg/L	1	10/27/2010 9:40:00 AM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/27/2010 12:16:28 PM	JMW
Barium	NELAP	0.0050		0.200	mg/L	1	10/27/2010 12:16:28 PM	JMW
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	10/27/2010 12:16:28 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/27/2010 12:16:28 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/27/2010 12:16:28 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/27/2010 12:16:28 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	10/27/2010 12:27:14 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Acenaphthylene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Anthracene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Chrysene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Fluoranthene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Fluorene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Naphthalene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Phenanthrene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Pyrene	NELAP	0.00012		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Total PNAs except Naphthalene		0.00016		ND	mg/L	1	10/27/2010 8:20:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		68.3	%REC	1	10/27/2010 8:20:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		51.1	%REC	1	10/27/2010 8:20:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		79.6	%REC	1	10/27/2010 8:20:00 AM	MAV
Surr: Phenol-d5		11-42.8		33.3	%REC	1	10/27/2010 8:20:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		85.7	%REC	1	10/27/2010 8:20:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10101091

Lab ID: 10101091-001

Report Date: 01-Nov-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 2169-treated-10/25/10

Collection Date: 10/25/2010 1:35:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	10/26/2010 9:45:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	10/26/2010 9:45:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	10/26/2010 9:45:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	10/26/2010 9:45:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		112.6	%REC	1	10/26/2010 9:45:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		96.4	%REC	1	10/26/2010 9:45:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		109.3	%REC	1	10/26/2010 9:45:00 PM	CCF
Surr: Toluene-d8		84.3-114		100.2	%REC	1	10/26/2010 9:45:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	10/27/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	10/27/2010 9:50:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028	S	0.094	mg/L	4	10/27/2010 9:50:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample. Confirmed by reanalysis.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10101091-001A	2169-treated-10/25/10	10/25/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	10/26/2010 10:37:52 PM	10/27/2010 8:20:00 AM
10101091-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		10/27/2010 2:32:00 PM
				Standard Methods 18th Ed. 2540 D		10/27/2010 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	10/27/2010 9:40:00 AM	10/27/2010 9:40:00 AM
10101091-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	10/26/2010 5:22:29 PM	10/27/2010 12:16:28 PM
				SW-846 3020A, Metals by GFAA (Total)	10/26/2010 5:19:13 PM	10/27/2010 12:27:14 PM
				SW-846 7470A (Total)	10/27/2010 9:04:23 AM	10/27/2010
10101091-001D				SW-846 9012A		10/27/2010 9:50:00 AM
				SW-846 9012A (Total)		10/27/2010 9:50:00 AM
10101091-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		10/26/2010 9:45:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MB-R141819		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 141819		
Client ID: ZZZZZZ		Batch ID: R141819					Analysis Date: 10/27/2010			SeqNo: 2774183	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R141819		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 141819		
Client ID: ZZZZZZ		Batch ID: R141819						Analysis Date: 10/27/2010			SeqNo: 2774184	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.028	0.007	0.02500	0	111.5	85	115				
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Sample ID: 10101091-001DMS		SampType: MS		Units: mg/L		Prep Date:			RunNo: 141819		
Client ID: 2169-treated-10/25/1		Batch ID: R141819					Analysis Date: 10/27/2010			SeqNo: 2774187	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.125	0.029	0.02500	0.09392	123.3	75	125				
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Sample ID: 10101091-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 141819		
Client ID: 2169-treated-10/25/1		Batch ID: R141819					Analysis Date: 10/27/2010			SeqNo: 2774188	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.111	0.028	0.02500	0.09392	68.5	75	125	0.1247	11.6	15	S
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10101091

Report Date: 01-Nov-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_BOD_M_AT

Sample ID: LCS-63992	SampType: LCS	Units: mg/L			Prep Date: 10/27/2010			RunNo: 141984			
Client ID: ZZZZZZ	Batch ID: 63992	SOP 2030			Analysis Date: 10/27/2010			SeqNo: 2778061			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	195	5	198.0	0	98.5	84.6	115.4				

Sample ID: 10101091-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 10/27/2010			RunNo: 141984			
Client ID: 2169-treated-10/25/1	Batch ID: 63992	SOP 2030			Analysis Date: 10/27/2010			SeqNo: 2778089			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	11	5						12.00	8.70	40	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10101091

Report Date: 01-Nov-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R141831	SampType: LCS	Units:			Prep Date:			RunNo: 141831			
Client ID: ZZZZZZ	Batch ID: R141831				Analysis Date: 10/27/2010			SeqNo: 2774424			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				
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Sample ID: 10101091-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 141831			
Client ID: 2169-treated-10/25/1	Batch ID: R141831				Analysis Date: 10/27/2010			SeqNo: 2774446			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.01	1.00						8.010	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: I_TSS_M_AT

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MB-R141829	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 141829			
Client ID: ZZZZZZ	Batch ID: R141829				Analysis Date: 10/27/2010			SeqNo: 2774368			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids

< 6

6

Sample ID: LCS-R141829	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141829			
Client ID: ZZZZZZ	Batch ID: R141829				Analysis Date: 10/27/2010			SeqNo: 2774369			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids

96

6

100.0

0

96.0

85

115

Sample ID: LCS-R141829	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141829			
Client ID: ZZZZZZ	Batch ID: R141829				Analysis Date: 10/27/2010			SeqNo: 2774377			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids

99

6

100.0

0

99.0

85

115

Sample ID: 10101091-001BDUP	SampType: DUP	Units: mg/L			Prep Date:			RunNo: 141829			
Client ID: 2169-treated-10/25/1	Batch ID: R141829				Analysis Date: 10/27/2010			SeqNo: 2774393			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids

24

6

22.00

8.70

15

Sample ID: LCS-R141829	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 141829			
Client ID: ZZZZZZ	Batch ID: R141829				Analysis Date: 10/27/2010			SeqNo: 2774394			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids

96

6

100.0

0

96.0

85

115

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: M_AQ_GF_ST

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MB-63964		SampType: MBLK		Units: mg/L		Prep Date: 10/26/2010			RunNo: 141826		
Client ID: ZZZZZZ		Batch ID: 63964		SOP 3044		Analysis Date: 10/27/2010			SeqNo: 2774271		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-63964		SampType: LCS			Units: mg/L		Prep Date: 10/26/2010			RunNo: 141826		
Client ID: ZZZZZZ		Batch ID: 63964			SOP 3044		Analysis Date: 10/27/2010			SeqNo: 2774275		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0124	0.0020	0.01500	0	82.5	80	120			
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Sample ID: 10101091-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/26/2010		RunNo: 141826			
Client ID: 2169-treated-10/25/1		Batch ID: 63964		SOP 3044		Analysis Date: 10/27/2010		SeqNo: 2774278			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0129	0.0020	0.01500	0	86.1	70	130			
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Sample ID: 10101091-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/26/2010		RunNo: 141826			
Client ID: 2169-treated-10/25/1		Batch ID: 63964		SOP 3044		Analysis Date: 10/27/2010		SeqNo: 2774279			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0129	0.0020	0.01500	0	86.0	70	130	0.01292	0.170	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: M_AQ_ICP_ST

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MB-63965		SampType: MBLK		Units: mg/L		Prep Date: 10/26/2010		RunNo: 141823			
Client ID: ZZZZZZ		Batch ID: 63965		SOP 3034		Analysis Date: 10/27/2010		SeqNo: 2774336			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-63965		SampType: LCS		Units: mg/L		Prep Date: 10/26/2010		RunNo: 141823			
Client ID: ZZZZZZ		Batch ID: 63965		SOP 3034		Analysis Date: 10/27/2010		SeqNo: 2774338			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.97	0.0250	2.000	0	98.4	85	115				
Barium	1.87	0.0050	2.000	0	93.4	85	115				
Cadmium	0.0482	0.0020	0.05000	0	96.4	85	115				
Chromium	0.200	0.0100	0.2000	0	100.2	85	115				
Selenium	1.98	0.0500	2.000	0	99.1	85	115				
Silver	0.0495	0.0100	0.05000	0	99.0	85	115				

Sample ID: 10101091-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/26/2010		RunNo: 141823			
Client ID: 2169-treated-10/25/1		Batch ID: 63965		SOP 3034		Analysis Date: 10/27/2010		SeqNo: 2774340			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.93	0.0250	2.000	0	96.3	75	125				
Barium	1.84	0.0050	2.000	0.2003	82.2	75	125				
Cadmium	0.0440	0.0020	0.05000	0.0003000	87.4	75	125				
Chromium	0.184	0.0100	0.2000	0	91.8	75	125				
Selenium	1.91	0.0500	2.000	0	95.4	75	125				
Silver	0.0465	0.0100	0.05000	0	93.0	75	125				

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10101091

Report Date: 01-Nov-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 10101091-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/26/2010		RunNo: 141823			
Client ID: 2169-treated-10/25/1		Batch ID: 63965		SOP 3034		Analysis Date: 10/27/2010		SeqNo: 2774341			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.90	0.0250	2.000	0	95.0	75	125	1.926	1.41	20	
Barium	1.82	0.0050	2.000	0.2003	81.0	75	125	1.844	1.31	20	
Cadmium	0.0433	0.0020	0.05000	0.0003000	86.0	75	125	0.04400	1.60	20	
Chromium	0.180	0.0100	0.2000	0	90.2	75	125	0.1835	1.76	20	
Selenium	1.86	0.0500	2.000	0	93.2	75	125	1.909	2.44	20	
Silver	0.0470	0.0100	0.05000	0	94.0	75	125	0.04650	1.07	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: M_HG_AQ_S

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MB-63980	SampType: MBLK	Units: mg/L			Prep Date: 10/27/2010			RunNo: 141832			
Client ID: ZZZZZZ	Batch ID: 63980	SOP 3062			Analysis Date: 10/27/2010			SeqNo: 2774456			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-63980	SampType: LCS	Units: mg/L			Prep Date: 10/27/2010			RunNo: 141832			
Client ID: ZZZZZZ	Batch ID: 63980	SOP 3062			Analysis Date: 10/27/2010			SeqNo: 2774457			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00466	0.00020	0.005000	0	93.2	85	115				

Sample ID: 10101091-001CMS		SampType: MS		Units: mg/L		Prep Date: 10/27/2010			RunNo: 141832		
Client ID: 2169-treated-10/25/1		Batch ID: 63980		SOP 3062		Analysis Date: 10/27/2010			SeqNo: 2774463		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00445	0.00020	0.005000	0	89.0	75	125				

Sample ID: 10101091-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 10/27/2010			RunNo: 141832		
Client ID: 2169-treated-10/25/1		Batch ID: 63980		SOP 3062		Analysis Date: 10/27/2010			SeqNo: 2774464		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00459	0.00020	0.005000	0	91.8	75	125	0.004450	3.10	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MB-63944		SampType: MBLK		Units: mg/L		Prep Date: 10/25/2010			RunNo: 141797		
Client ID: ZZZZZZ		Batch ID: 63944		SW3510C		Analysis Date: 10/26/2010			SeqNo: 2773800		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Chrysene
Dibenzo(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Total PNAs except Naphthalene
Surr: 2-Fluorobiphenyl
Surr: 2-Fluorophenol
Surr: Nitrobenzene-d5
Surr: Phenol-d5
Surr: p-Terphenyl-d14

ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00010
ND 0.00013
0.00295 0.005000 59.0 41.9 97.9
0.00591 0.01000 59.1 16.1 79.2
0.00385 0.005000 77.1 39.9 106
0.00355 0.01000 35.5 9.94 53.7
0.00387 0.005000 77.4 53 116

Sample ID: LCS-63944		SampType: LCS			Units: mg/L		Prep Date: 10/25/2010			RunNo: 141797		
Client ID: ZZZZZZ		Batch ID: 63944			SW3510C		Analysis Date: 10/26/2010			SeqNo: 2773801		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene 0.00395 0.00010 0.005000 0 79.0 50.1 103
Acenaphthylene 0.00390 0.00010 0.005000 0 78.0 53.3 122
Anthracene 0.00397 0.00010 0.005000 0 79.4 57.4 110
Benzo(a)anthracene 0.00387 0.00010 0.005000 0 77.3 56 102

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: LCS-63944	SampType: LCS	Units: mg/L			Prep Date: 10/25/2010	RunNo: 141797					
Client ID: ZZZZZZ	Batch ID: 63944	SW3510C			Analysis Date: 10/26/2010	SeqNo: 2773801					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00440	0.00010	0.005000	0	88.0	55.4	125				
Benzo(b)fluoranthene	0.00437	0.00010	0.005000	0	87.4	59.3	127				
Benzo(g,h,i)perylene	0.00432	0.00010	0.005000	0	86.5	58.4	125				
Benzo(k)fluoranthene	0.00434	0.00010	0.005000	0	86.8	61.5	125				
Chrysene	0.00425	0.00010	0.005000	0	84.9	58.7	118				
Dibenzo(a,h)anthracene	0.00436	0.00010	0.005000	0	87.3	59.3	126				
Fluoranthene	0.00404	0.00010	0.005000	0	80.7	60.1	117				
Fluorene	0.00417	0.00010	0.005000	0	83.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00440	0.00010	0.005000	0	88.1	58.1	123				
Naphthalene	0.00333	0.00010	0.005000	0	66.6	36.3	97.1				
Phenanthrene	0.00412	0.00010	0.005000	0	82.4	55.9	107				
Pyrene	0.00413	0.00010	0.005000	0	82.7	61.4	116				
Surr: 2-Fluorobiphenyl	0.00292		0.005000		58.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00633		0.01000		63.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00401		0.005000		80.3	39.9	106				
Surr: Phenol-d5	0.00355		0.01000		35.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00397		0.005000		79.5	53	116				

Sample ID: LCSD-63944	SampType: LCSD	Units: mg/L			Prep Date: 10/25/2010	RunNo: 141797					
Client ID: ZZZZZZ	Batch ID: 63944	SW3510C			Analysis Date: 10/26/2010	SeqNo: 2773802					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00391	0.00010	0.005000	0	78.3	50.1	103	0.003950	0.941	50	
Acenaphthylene	0.00388	0.00010	0.005000	0	77.5	53.3	122	0.003902	0.643	50	
Anthracene	0.00435	0.00010	0.005000	0	87.0	57.4	110	0.003970	9.11	50	
Benzo(a)anthracene	0.00421	0.00010	0.005000	0	84.2	56	102	0.003866	8.54	50	
Benzo(a)pyrene	0.00452	0.00010	0.005000	0	90.4	55.4	125	0.004401	2.71	50	
Benzo(b)fluoranthene	0.00449	0.00010	0.005000	0	89.8	59.3	127	0.004370	2.69	50	
Benzo(g,h,i)perylene	0.00467	0.00010	0.005000	0	93.4	58.4	125	0.004325	7.65	50	
Benzo(k)fluoranthene	0.00469	0.00010	0.005000	0	93.7	61.5	125	0.004341	7.67	50	
Chrysene	0.00464	0.00010	0.005000	0	92.9	58.7	118	0.004245	8.98	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: LCSD-63944	SampType: LCSD	Units: mg/L				Prep Date: 10/25/2010			RunNo: 141797		
Client ID: ZZZZZZ	Batch ID: 63944	SW3510C				Analysis Date: 10/26/2010			SeqNo: 2773802		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.00463	0.00010	0.005000	0	92.6	59.3	126	0.004365	5.85	50	
Fluoranthene	0.00456	0.00010	0.005000	0	91.1	60.1	117	0.004036	12.1	50	
Fluorene	0.00404	0.00010	0.005000	0	80.8	54.1	110	0.004170	3.19	50	
Indeno(1,2,3-cd)pyrene	0.00455	0.00010	0.005000	0	91.0	58.1	123	0.004405	3.22	50	
Naphthalene	0.00335	0.00010	0.005000	0	67.0	36.3	97.1	0.003328	0.689	50	
Phenanthrene	0.00451	0.00010	0.005000	0	90.2	55.9	107	0.004119	9.08	50	
Pyrene	0.00443	0.00010	0.005000	0	88.6	61.4	116	0.004133	6.96	50	
Surr: 2-Fluorobiphenyl	0.00306		0.005000		61.2	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00607		0.01000		60.7	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00404		0.005000		80.9	39.9	106		0	50	
Surr: Phenol-d5	0.00353		0.01000		35.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00436		0.005000		87.1	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: V_BTEX_W

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: LCS-T101026-1	SampType: LCS	Units: µg/L				Prep Date: 10/26/2010			RunNo: 141781		
Client ID: ZZZZZZ	Batch ID: 63961	SW5030				Analysis Date: 10/26/2010			SeqNo: 2773429		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.9	2.0	50.00	0	87.8	82.7	117				
Toluene	45.4	5.0	50.00	0	90.8	79.6	116				
Ethylbenzene	48.6	5.0	50.00	0	97.3	83	113				
Xylenes, Total	147	5.0	150.0	0	98.0	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.6		50.00		105.3	74.7	129				
Surr: 4-Bromofluorobenzene	45.4		50.00		90.8	86	119				
Surr: Dibromofluoromethane	51.3		50.00		102.6	81.7	123				
Surr: Toluene-d8	50.5		50.00		100.9	84.3	114				

Sample ID: LCSD-T101026-1	SampType: LCSD	Units: µg/L				Prep Date: 10/26/2010			RunNo: 141781		
Client ID: ZZZZZZ	Batch ID: 63961	SW5030				Analysis Date: 10/26/2010			SeqNo: 2773430		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.6	2.0	50.00	0	89.2	82.7	117	43.88	1.65	20	
Toluene	49.6	5.0	50.00	0	99.2	79.6	116	45.40	8.86	20	
Ethylbenzene	49.2	5.0	50.00	0	98.3	83	113	48.65	1.06	20	
Xylenes, Total	147	5.0	150.0	0	98.3	80.3	120	147.1	0.292	20	
Surr: 1,2-Dichloroethane-d4	53.0		50.00		106.0	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119		0	20	
Surr: Dibromofluoromethane	50.2		50.00		100.5	81.7	123		0	20	
Surr: Toluene-d8	53.5		50.00		107.1	84.3	114		0	20	

Sample ID: MBLK-T101026-1	SampType: MBLK	Units: µg/L				Prep Date: 10/26/2010			RunNo: 141781		
Client ID: ZZZZZZ	Batch ID: 63961	SW5030				Analysis Date: 10/26/2010			SeqNo: 2773431		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: V_BTEX_W

Lab Order: 10101091

Report Date: 01-Nov-10

Sample ID: MBLK-T101026-1	SampType: MBLK	Units: µg/L			Prep Date: 10/26/2010			RunNo: 141781			
Client ID: ZZZZZZ	Batch ID: 63961	SW5030			Analysis Date: 10/26/2010			SeqNo: 2773431			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.3	74.7	129				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.6	86	119				
Surr: Dibromofluoromethane	51.0		50.00		102.0	81.7	123				
Surr: Toluene-d8	51.6		50.00		103.2	84.3	114				

Sample ID: 10101091-001EMS	SampType: MS	Units: µg/L				Prep Date: 10/26/2010			RunNo: 141781		
Client ID: 2169-treated-10/25/1	Batch ID: 63961	SW5030				Analysis Date: 10/26/2010			SeqNo: 2774170		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56.3	2.0	60.00	0	93.8	57.8	125				
Toluene	52.0	5.0	60.00	0	86.6	75.8	123				
Ethylbenzene	64.6	5.0	60.00	0	107.7	72.8	123				
Xylenes, Total	130	5.0	120.0	0	108.6	73	127				
Surr: 1,2-Dichloroethane-d4	55.6		50.00		111.1	74.7	129				
Surr: 4-Bromofluorobenzene	50.5		50.00		101.1	86	119				
Surr: Dibromofluoromethane	52.0		50.00		104.0	81.7	123				
Surr: Toluene-d8	42.4		50.00		84.9	84.3	114				

Sample ID: 10101091-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 10/26/2010			RunNo: 141781		
Client ID: 2169-treated-10/25/1	Batch ID: 63961	SW5030				Analysis Date: 10/26/2010			SeqNo: 2774171		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	53.7	2.0	60.00	0	89.5	57.8	125	56.26	4.67	20	
Toluene	57.0	5.0	60.00	0	95.0	75.8	123	51.97	9.21	20	
Ethylbenzene	64.7	5.0	60.00	0	107.9	72.8	123	64.64	0.155	20	
Xylenes, Total	128	5.0	120.0	0	106.6	73	127	130.3	1.78	20	
Surr: 1,2-Dichloroethane-d4	57.4		50.00		114.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.1		50.00		98.3	86	119		0	0	
Surr: Dibromofluoromethane	51.2		50.00		102.4	81.7	123		0	0	
Surr: Toluene-d8	47.9		50.00		95.9	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10101091

Report Date: 01-Nov-10

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

26-Oct-10

Timothy W. Mathis

Reviewed by:

On:

27-Oct-10

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09952

10/01091

Project Name: Ameren Champigny Project Mgr.: P. Salame		Project Number: 644-0908-0120 Cost Code: 50002		Sampler(s): J. Crompton		Laboratory Name: Teklab Location: Collinsville		Sample Number and (depth): 2169 - treated - 10/25/10		Date: 10/25/10		Time: 1335	
Matrix		Soil		Water		Air		Wipes		Other *			
Laboratory		Total Number of Containers		7		BTX 2260		SVOCs 8270 SMS		PCMA Metals		Total + Arsenic Cyanide	
Analyses by Method Name and Number		BTEX 2260		SVOCs 8270 SMS		PCMA Metals		Total + Arsenic Cyanide		TSS		pH	
BODs		X		X		X		X		X		X	
Comments (Field PID)		1010109100		Lab ID #'s		3-8100		Res 1010		heads		Laboratory Temperature upon Receipt	
1 DAY		Teklab, Inc.		Courier Pick Up									

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics		(HCl)
☐ VOC Soil (5035)		Sodium Bisulfate/Methanol
☐ TPH		Hydrochloric acid and/or Sulfuric acid
☒ Metals		(HNO ₃)
☒ Cyanide		Sodium hydroxide
☐ Other (Specify) _____		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. Salame and L. Hoosier

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Time	
			10/26/10	1730	
			10/26/10	1635	

Distribution: WHITE to Lab PINK to QA/QC GREEN to Sampler
PE-179 (6/03)

Shaded Areas to be Completed by Lab

December 06, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 10111048

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 11/23/2010 4:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10111048

Report Date: 06-Dec-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10111048-001	2159-treated-11/23/10	5	11/22/2010 1:50:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 10111048

Report Date: 06-Dec-10

Cooler Receipt Temp: 5.6 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10111048

Lab ID: 10111048-001

Report Date: 06-Dec-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 2159-treated-11/23/10

Collection Date: 11/22/2010 1:50:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.84		1	11/24/2010 2:55:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	11/24/2010 9:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	11/24/2010 12:20:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/1/2010 9:02:35 PM	JMW
Barium	NELAP	0.0050		0.0909	mg/L	1	11/29/2010 7:47:36 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	11/29/2010 7:47:36 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	11/29/2010 7:47:36 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	11/29/2010 7:47:36 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	12/1/2010 9:02:35 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	11/24/2010 12:06:50 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	11/30/2010 12:45:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		67.8	%REC	1	11/30/2010 12:45:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		54.9	%REC	1	11/30/2010 12:45:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		88.0	%REC	1	11/30/2010 12:45:00 PM	MAV
Surr: Phenol-d5		11-42.8		34.0	%REC	1	11/30/2010 12:45:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		83.0	%REC	1	11/30/2010 12:45:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10111048

Lab ID: 10111048-001

Report Date: 06-Dec-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 2159-treated-11/23/10

Collection Date: 11/22/2010 1:50:00 PM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	11/30/2010 7:47:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	11/30/2010 7:47:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	11/30/2010 7:47:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	11/30/2010 7:47:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		106.8	%REC	1	11/30/2010 7:47:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		100.4	%REC	1	11/30/2010 7:47:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		107.8	%REC	1	11/30/2010 7:47:00 AM	CCF
Surr: Toluene-d8		84.3-114		93.0	%REC	1	11/30/2010 7:47:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/24/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.028		0.065	mg/L	4	11/30/2010 10:47:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028	S	0.115	mg/L	4	12/1/2010 11:27:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Matrix interference present in sample.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225Ameren Champaign 62409080120**Lab Order:** 10111048**Report Date:** 06-Dec-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10111048-001A	2159-treated-11/23/10	11/22/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	11/29/2010 10:37:28 AM	11/30/2010 12:45:00 PM
10111048-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		11/24/2010 2:55:00 PM
				Standard Methods 18th Ed. 2540 D		11/24/2010 9:30:00 AM
				Standard Methods 18th Ed. 5210 B	11/24/2010 12:20:00 PM	11/24/2010 12:20:00 PM
10111048-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	11/29/2010 10:52:50 AM	11/29/2010 7:47:36 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	11/29/2010 10:52:50 AM	12/1/2010 9:02:35 PM
				SW-846 3020A, Metals by GFAA (Total)	11/23/2010 6:08:00 PM	11/24/2010 12:06:50 PM
				SW-846 7470A (Total)	11/24/2010 9:23:15 AM	11/24/2010
10111048-001D				SW-846 9012A		11/30/2010 10:47:00 AM
				SW-846 9012A (Total)		12/1/2010 11:27:00 AM
				SW-846 9012A (Total)		12/3/2010 8:53:00 AM
10111048-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		11/30/2010 7:47:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: A_TCND_S_AT_9012A

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: LCS-R143037	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 143037			
Client ID: ZZZZZZ	Batch ID: R143037				Analysis Date: 11/30/2010			SeqNo: 2805611			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.028	0.007	0.02500	0	110.5	85	115				
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Sample ID: 10111048-001DMS	SampType: MS	Units: mg/L			Prep Date:			RunNo: 143120			
Client ID: 2159-treated-11/23/1	Batch ID: R143120				Analysis Date: 12/1/2010			SeqNo: 2807476			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.149	0.028	0.02500	0.1149	135.0	75	125					S
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Sample ID: 10111048-001DMSD	SampType: MSD	Units: mg/L			Prep Date:			RunNo: 143120			
Client ID: 2159-treated-11/23/1	Batch ID: R143120				Analysis Date: 12/1/2010			SeqNo: 2807477			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.145	0.028	0.02500	0.1149	120.5	75	125	0.1487	2.46	15		
---------	-------	-------	---------	--------	-------	----	-----	--------	------	----	--	--

Sample ID: MB-R143120	SampType: MBLK	Units: mg/L			Prep Date:			RunNo: 143120			
Client ID: ZZZZZZ	Batch ID: R143120				Analysis Date: 12/1/2010			SeqNo: 2807999			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R143120	SampType: LCS	Units: mg/L			Prep Date:			RunNo: 143120			
Client ID: ZZZZZZ	Batch ID: R143120				Analysis Date: 12/1/2010			SeqNo: 2808000			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.025	0.007	0.02500	0	101.2	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: I_BOD_M_AT

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: LCS-64597	SampType: LCS	Units: mg/L			Prep Date: 11/24/2010			RunNo: 142974			
Client ID: ZZZZZZ	Batch ID: 64597	SOP 2030			Analysis Date: 11/24/2010			SeqNo: 2804233			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	206	5	198.0	0	104.0	84.6	115.4				
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Sample ID: 10111048-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 11/24/2010			RunNo: 142974			
Client ID: 2159-treated-11/23/1	Batch ID: 64597	SOP 2030			Analysis Date: 11/24/2010			SeqNo: 2804240			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	< 5	5						0	0	40	
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10111048

Report Date: 06-Dec-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID: LCS-R142942	SampType: LCS	Units:			Prep Date:			RunNo: 142942			
Client ID: ZZZZZZ	Batch ID: R142942				Analysis Date: 11/24/2010			SeqNo: 2803432			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				

Sample ID: 10111048-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 142942			
Client ID: 2159-treated-11/23/1	Batch ID: R142942				Analysis Date: 11/24/2010			SeqNo: 2803438			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.85	1.00						7.840	0.127	10	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10111048

Report Date: 06-Dec-10

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: MB-R142941		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 142941		
Client ID: ZZZZZZ		Batch ID: R142941					Analysis Date: 11/24/2010			SeqNo: 2803442	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R142941		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 142941		
Client ID: ZZZZZZ		Batch ID: R142941			Analysis Date: 11/24/2010			SeqNo: 2803443				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: 10111048-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 142941		
Client ID: 2159-treated-11/23/1		Batch ID: R142941		Analysis Date: 11/24/2010			SeqNo: 2803474				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCS-R142941		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 142941		
Client ID: ZZZZZZ		Batch ID: R142941			Analysis Date: 11/24/2010			SeqNo: 2803484				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: LCS-R142941		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 142941		
Client ID: ZZZZZZ		Batch ID: R142941			Analysis Date: 11/24/2010					SeqNo: 2803485		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	87	6	100.0	0	87.0	85	115				
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Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10111048

Report Date: 06-Dec-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: MB-64569	SampType: MBLK	Units: mg/L	Prep Date: 11/23/2010	RunNo: 142928							
Client ID: ZZZZZZ	Batch ID: 64569	SOP 3044	Analysis Date: 11/24/2010	SeqNo: 2803159							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-64569		SampType: LCS		Units: mg/L		Prep Date: 11/23/2010			RunNo: 142928		
Client ID: ZZZZZZ		Batch ID: 64569		SOP 3044		Analysis Date: 11/24/2010			SeqNo: 2803161		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0153	0.0020	0.01500	0	102.2	80	120			
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Sample ID: 10111048-001CMS		SampType: MS		Units: mg/L		Prep Date: 11/23/2010		RunNo: 142928			
Client ID: 2159-treated-11/23/1		Batch ID: 64569		SOP 3044		Analysis Date: 11/24/2010		SeqNo: 2803168			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0139	0.0020	0.01500	0	92.4	70	130			
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Sample ID: 10111048-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/23/2010			RunNo: 142928		
Client ID: 2159-treated-11/23/1		Batch ID: 64569		SOP 3044		Analysis Date: 11/24/2010			SeqNo: 2803169		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0140	0.0040	0.01500	0	93.6	70	130	0.01385	1.39	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: M_AQ_ICP_ST

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: MB-64615	SampType: MBLK	Units: mg/L				Prep Date: 11/29/2010			RunNo: 142989		
Client ID: ZZZZZZ	Batch ID: 64615	SOP 3034				Analysis Date: 11/29/2010			SeqNo: 2804791		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.010000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.050000	0	0	-100	100				

Sample ID: LCS-64615	SampType: LCS	Units: mg/L				Prep Date: 11/29/2010			RunNo: 142989		
Client ID: ZZZZZZ	Batch ID: 64615	SOP 3034				Analysis Date: 11/29/2010			SeqNo: 2804793		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	1.86	0.0050	2.000	0	93.1	85	115				
Cadmium	0.0480	0.0020	0.05000	0	96.0	85	115				
Chromium	0.203	0.0100	0.2000	0	101.4	85	115				
Selenium	2.06	0.0500	2.000	0	103.0	85	115				

Sample ID: 10111048-001CMS	SampType: MS	Units: mg/L				Prep Date: 11/29/2010			RunNo: 142989		
Client ID: 2159-treated-11/23/1	Batch ID: 64615	SOP 3034				Analysis Date: 11/29/2010			SeqNo: 2804795		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	1.77	0.0050	2.000	0.09090	84.0	75	125				
Cadmium	0.0433	0.0020	0.05000	0	86.6	75	125				
Chromium	0.187	0.0100	0.2000	0	93.6	75	125				
Selenium	1.91	0.0500	2.000	0	95.4	75	125				

Sample ID: 10111048-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 11/29/2010			RunNo: 142989		
Client ID: 2159-treated-11/23/1	Batch ID: 64615	SOP 3034				Analysis Date: 11/29/2010			SeqNo: 2804796		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	1.90	0.0050	2.000	0.09090	90.6	75	125	1.770	7.24	20	
Cadmium	0.0463	0.0020	0.05000	0	92.6	75	125	0.04330	6.70	20	
Chromium	0.203	0.0100	0.2000	0	101.7	75	125	0.1871	8.35	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: M_AQ_ICP_ST

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: 10111048-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/29/2010			RunNo: 142989		
Client ID: 2159-treated-11/23/1		Batch ID: 64615		SOP 3034		Analysis Date: 11/29/2010			SeqNo: 2804796		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	2.05	0.0500	2.000	0	102.6	75	125	1.907	7.37	20	

Sample ID: MB-64615	SampType: MBLK	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143119			
Client ID: ZZZZZZ	Batch ID: 64615	SOP 3034			Analysis Date: 12/1/2010			SeqNo: 2807437			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-64615	SampType: LCS	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143119		
Client ID: ZZZZZZ	Batch ID: 64615	SOP 3034				Analysis Date: 12/1/2010			SeqNo: 2807438		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.0250	2.000	0	100	85	115				
Silver	0.0498	0.0100	0.05000	0	99.6	85	115				

Sample ID: 10111048-001CMS	SampType: MS	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143119		
Client ID: 2159-treated-11/23/1	Batch ID: 64615	SOP 3034				Analysis Date: 12/1/2010			SeqNo: 2807440		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.92	0.0250	2.000	0	96.2	75	125				
Silver	0.0425	0.0100	0.05000	0	85.0	75	125				

Sample ID: 10111048-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143119		
Client ID: 2159-treated-11/23/1	Batch ID: 64615	SOP 3034				Analysis Date: 12/1/2010			SeqNo: 2807441		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.1	75	125	1.924	2.97	20	
Silver	0.0457	0.0100	0.05000	0	91.4	75	125	0.04250	7.26	20	

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10111048

Report Date: 06-Dec-10

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: MB-64615	SampType: MBLK	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143204			
Client ID: ZZZZZZ	Batch ID: 64615	SOP 3034			Analysis Date: 12/3/2010			SeqNo: 2810251			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.0061	0.0100	0.01000	0	61.0	-100	100				J

Sample ID: LCS-64615	SampType: LCS	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143204			
Client ID: ZZZZZZ	Batch ID: 64615	SOP 3034			Analysis Date: 12/3/2010			SeqNo: 2810252			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.199	0.0100	0.2000	0	99.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: M_HG_AQ_S

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: MB-64587	SampType: MBLK	Units: mg/L				Prep Date: 11/24/2010			RunNo: 142937		
Client ID: ZZZZZZ	Batch ID: 64587	SOP 3062				Analysis Date: 11/24/2010			SeqNo: 2803356		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-64587	SampType: LCS	Units: mg/L				Prep Date: 11/24/2010			RunNo: 142937		
Client ID: ZZZZZZ	Batch ID: 64587	SOP 3062				Analysis Date: 11/24/2010			SeqNo: 2803357		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00430	0.00020	0.005000	0	86.0	85	115				

Sample ID: 10111048-001CMS	SampType: MS	Units: mg/L				Prep Date: 11/24/2010				RunNo: 142937		
Client ID: 2159-treated-11/23/1	Batch ID: 64587	SOP 3062				Analysis Date: 11/24/2010				SeqNo: 2803365		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00421	0.00020	0.005000	0	84.2	75	125					

Sample ID: 10111048-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/24/2010			RunNo: 142937		
Client ID: 2159-treated-11/23/1		Batch ID: 64587		SOP 3062		Analysis Date: 11/24/2010			SeqNo: 2803368		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00414	0.00020	0.005000	0	82.8	75	125	0.004210	1.68	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: MB-64612	SampType: MBLK	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143019			
Client ID: ZZZZZZ	Batch ID: 64612	SW3510C			Analysis Date: 11/30/2010			SeqNo: 2805263			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0147		0.02500		58.7	41.9	97.9				
Surr: 2-Fluorophenol	0.0275		0.05000		55.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0201		0.02500		80.4	39.9	106				
Surr: Phenol-d5	0.0181		0.05000		36.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0186		0.02500		74.5	53	116				

Sample ID: LCS-64612	SampType: LCS	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143019		
Client ID: ZZZZZZ	Batch ID: 64612	SW3510C				Analysis Date: 11/30/2010			SeqNo: 2805264		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00419	0.00010	0.005000	0	83.8	50.1	103				
Acenaphthylene	0.00433	0.00010	0.005000	0	86.6	53.3	122				
Anthracene	0.00395	0.00010	0.005000	0	79.0	57.4	110				
Benzo(a)anthracene	0.00368	0.00010	0.005000	0	73.5	56	102				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: LCS-64612	SampType: LCS	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143019			
Client ID: ZZZZZZ	Batch ID: 64612	SW3510C			Analysis Date: 11/30/2010			SeqNo: 2805264			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00405	0.00010	0.005000	0	81.0	55.4	125				
Benzo(b)fluoranthene	0.00380	0.00010	0.005000	0	76.1	59.3	127				
Benzo(g,h,i)perylene	0.00408	0.00010	0.005000	0	81.6	58.4	125				
Benzo(k)fluoranthene	0.00394	0.00010	0.005000	0	78.9	61.5	125				
Chrysene	0.00420	0.00010	0.005000	0	84.0	58.7	118				
Dibenzo(a,h)anthracene	0.00405	0.00010	0.005000	0	81.0	59.3	126				
Fluoranthene	0.00402	0.00010	0.005000	0	80.3	60.1	117				
Fluorene	0.00392	0.00010	0.005000	0	78.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00408	0.00010	0.005000	0	81.5	58.1	123				
Naphthalene	0.00374	0.00010	0.005000	0	74.7	36.3	97.1				
Phenanthrene	0.00402	0.00010	0.005000	0	80.5	55.9	107				
Pyrene	0.00391	0.00010	0.005000	0	78.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00378		0.005000		75.5	41.9	97.9				
Surr: 2-Fluorophenol	0.00583		0.01000		58.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00492		0.005000		98.4	39.9	106				
Surr: Phenol-d5	0.00393		0.01000		39.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00418		0.005000		83.6	53	116				

Sample ID: LCSD-64612	SampType: LCSD	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143019		
Client ID: ZZZZZZ	Batch ID: 64612	SW3510C				Analysis Date: 11/30/2010			SeqNo: 2805265		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00424	0.00010	0.005000	0	84.8	50.1	103	0.004188	1.21	50	
Acenaphthylene	0.00417	0.00010	0.005000	0	83.4	53.3	122	0.004330	3.81	50	
Anthracene	0.00397	0.00010	0.005000	0	79.4	57.4	110	0.003952	0.404	50	
Benzo(a)anthracene	0.00390	0.00010	0.005000	0	78.1	56	102	0.003675	6.04	50	
Benzo(a)pyrene	0.00424	0.00010	0.005000	0	84.9	55.4	125	0.004048	4.70	50	
Benzo(b)fluoranthene	0.00434	0.00010	0.005000	0	86.7	59.3	127	0.003803	13.1	50	
Benzo(g,h,i)perylene	0.00438	0.00010	0.005000	0	87.7	58.4	125	0.004079	7.23	50	
Benzo(k)fluoranthene	0.00432	0.00010	0.005000	0	86.4	61.5	125	0.003943	9.08	50	
Chrysene	0.00446	0.00010	0.005000	0	89.2	58.7	118	0.004198	6.10	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: SV_8270S_W_SIMS

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: LCSD-64612	SampType: LCSD	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143019		
Client ID: ZZZZZZ	Batch ID: 64612	SW3510C				Analysis Date: 11/30/2010			SeqNo: 2805265		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.00425	0.00010	0.005000	0	85.1	59.3	126	0.004049	4.94	50	
Fluoranthene	0.00390	0.00010	0.005000	0	78.0	60.1	117	0.004017	2.96	50	
Fluorene	0.00396	0.00010	0.005000	0	79.1	54.1	110	0.003922	0.888	50	
Indeno(1,2,3-cd)pyrene	0.00431	0.00010	0.005000	0	86.2	58.1	123	0.004077	5.58	50	
Naphthalene	0.00376	0.00010	0.005000	0	75.2	36.3	97.1	0.003735	0.641	50	
Phenanthrene	0.00415	0.00010	0.005000	0	83.0	55.9	107	0.004024	3.08	50	
Pyrene	0.00402	0.00010	0.005000	0	80.4	61.4	116	0.003911	2.80	50	
Surr: 2-Fluorobiphenyl	0.00388		0.005000		77.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00728		0.01000		72.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00465		0.005000		93.0	39.9	106		0	50	
Surr: Phenol-d5	0.00423		0.01000		42.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00438		0.005000		87.5	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: V_BTEX_W

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: LCS-N101129-2	SampType: LCS	Units: µg/L				Prep Date: 11/30/2010			RunNo: 143034		
Client ID: ZZZZZZ	Batch ID: 64650	SW5030				Analysis Date: 11/30/2010			SeqNo: 2805535		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.6	2.0	50.00	0	95.1	82.7	117				
Ethylbenzene	43.6	5.0	50.00	0	87.2	83	113				
Toluene	44.3	5.0	50.00	0	88.5	79.6	116				
Xylenes, Total	132	5.0	150.0	0	88.3	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.4		50.00		100.8	74.7	129				
Surr: 4-Bromofluorobenzene	50.9		50.00		101.8	86	119				
Surr: Dibromofluoromethane	52.6		50.00		105.3	81.7	123				
Surr: Toluene-d8	47.0		50.00		94.0	84.3	114				

Sample ID: LCSD-N101129-2	SampType: LCSD	Units: µg/L				Prep Date: 11/30/2010			RunNo: 143034		
Client ID: ZZZZZZ	Batch ID: 64650	SW5030				Analysis Date: 11/30/2010			SeqNo: 2805536		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.7	2.0	50.00	0	99.4	82.7	117	47.57	4.40	20	
Ethylbenzene	45.6	5.0	50.00	0	91.3	83	113	43.62	4.50	20	
Toluene	45.7	5.0	50.00	0	91.4	79.6	116	44.26	3.25	20	
Xylenes, Total	136	5.0	150.0	0	90.5	80.3	120	132.4	2.53	20	
Surr: 1,2-Dichloroethane-d4	49.6		50.00		99.1	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.4		50.00		102.9	86	119		0	20	
Surr: Dibromofluoromethane	51.8		50.00		103.5	81.7	123		0	20	
Surr: Toluene-d8	46.8		50.00		93.5	84.3	114		0	20	

Sample ID: MBLK-N101129-2	SampType: MBLK	Units: µg/L				Prep Date: 11/30/2010			RunNo: 143034		
Client ID: ZZZZZZ	Batch ID: 64650	SW5030				Analysis Date: 11/30/2010			SeqNo: 2805537		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

TestCode: V_BTEX_W

Lab Order: 10111048

Report Date: 06-Dec-10

Sample ID: MBLK-N101129-2	SampType: MBLK	Units: µg/L				Prep Date: 11/30/2010			RunNo: 143034		
Client ID: ZZZZZZ	Batch ID: 64650	SW5030				Analysis Date: 11/30/2010			SeqNo: 2805537		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.3	74.7	129				
Surr: 4-Bromofluorobenzene	50.9		50.00		101.8	86	119				
Surr: Dibromofluoromethane	53.0		50.00		106.0	81.7	123				
Surr: Toluene-d8	48.1		50.00		96.1	84.3	114				

Sample ID: 10111048-001EMS	SampType: MS	Units: µg/L				Prep Date: 11/30/2010			RunNo: 143034		
Client ID: 2159-treated-11/23/1	Batch ID: 64650	SW5030				Analysis Date: 11/30/2010			SeqNo: 2805547		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54.4	2.0	48.00	0	113.4	57.8	125				
Ethylbenzene	48.2	5.0	48.00	0	100.5	72.8	123				
Toluene	48.4	5.0	48.00	0	100.8	75.8	123				
Xylenes, Total	96.5	5.0	96.00	0	100.5	73	127				
Surr: 1,2-Dichloroethane-d4	53.2		50.00		106.4	74.7	129				
Surr: 4-Bromofluorobenzene	50.0		50.00		100	86	119				
Surr: Dibromofluoromethane	55.1		50.00		110.2	81.7	123				
Surr: Toluene-d8	47.2		50.00		94.5	84.3	114				

Sample ID: 10111048-001EMSD	SampType: MSD	Units: µg/L				Prep Date: 11/30/2010			RunNo: 143034		
Client ID: 2159-treated-11/23/1	Batch ID: 64650	SW5030				Analysis Date: 11/30/2010			SeqNo: 2805548		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56.8	2.0	48.00	0	118.3	57.8	125	54.43	4.24	20	
Ethylbenzene	50.0	5.0	48.00	0	104.2	72.8	123	48.24	3.60	20	
Toluene	49.6	5.0	48.00	0	103.4	75.8	123	48.40	2.51	20	
Xylenes, Total	101	5.0	96.00	0	105.1	73	127	96.52	4.46	20	
Surr: 1,2-Dichloroethane-d4	53.6		50.00		107.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.1		50.00		100.2	86	119		0	0	
Surr: Dibromofluoromethane	54.9		50.00		109.7	81.7	123		0	0	
Surr: Toluene-d8	47.0		50.00		94.1	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 10111048

Report Date: 06-Dec-10

Carrier: Sean Spinner

Received By: MLD

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

23-Nov-10

24-Nov-10

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

011048

COC Serial No. **B** 09957

[illegible]

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☐ Volatile Organics	(HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☐ Metals	Nitric acid	
☐ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☐ Rush ☒ 5 Days ☐ Other _____

Fax and/or Mail Results to: P. SAZAMA AND L. HODSIEER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
	<i>Paul Star</i>	11/23/10	2:00 PM	<i>[Signature]</i>	11/23/10
	<i>[Signature]</i>	11/23/10	1645	<i>Murray D. Darling II</i>	11/23/10

December 07, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62408080120

WorkOrder: 10111138

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 11/29/2010 4:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62408080120

Lab Order: 10111138

Report Date: 07-Dec-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10111138-001	4091 Treated 11-29-10	5	11/29/2010 10:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62408080120

LabOrder: 10111138

Report Date: 07-Dec-10

Cooler Receipt Temp: 4.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10111138

Lab ID: 10111138-001

Report Date: 07-Dec-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091 Treated 11-29-10

Collection Date: 11/29/2010 10:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		7.57		1	11/29/2010 5:24:00 PM	CLF
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	12/1/2010 9:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		13	mg/L	1	11/29/2010 6:10:00 PM	AV
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	11/30/2010 10:35:47 AM	JMW
Barium	NELAP	0.0050		0.0763	mg/L	1	11/30/2010 10:35:47 AM	JMW
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	11/30/2010 10:35:47 AM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	11/30/2010 10:35:47 AM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	11/30/2010 10:35:47 AM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	11/30/2010 10:35:47 AM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	11/30/2010 10:53:58 AM	HLR
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Acenaphthylene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Anthracene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Chrysene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Fluoranthene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Fluorene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Naphthalene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Phenanthrene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Pyrene	NELAP	0.00062		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Total PNAs except Naphthalene		0.00081		ND	mg/L	1	11/30/2010 10:56:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		62.8	%REC	1	11/30/2010 10:56:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		55.2	%REC	1	11/30/2010 10:56:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		79.1	%REC	1	11/30/2010 10:56:00 AM	MAV
Surr: Phenol-d5		11-42.8		33.9	%REC	1	11/30/2010 10:56:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		72.9	%REC	1	11/30/2010 10:56:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10111138

Lab ID: 10111138-001

Report Date: 07-Dec-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091 Treated 11-29-10

Collection Date: 11/29/2010 10:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	11/29/2010 6:42:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	11/29/2010 6:42:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	11/29/2010 6:42:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	11/29/2010 6:42:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		97.5	%REC	1	11/29/2010 6:42:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		100.4	%REC	1	11/29/2010 6:42:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		104.3	%REC	1	11/29/2010 6:42:00 PM	CCF
Surr: Toluene-d8		84.3-114		93.2	%REC	1	11/29/2010 6:42:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	11/30/2010	JMW
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.070	J	0.049	mg/L	10	11/30/2010 10:47:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.070	S	0.115	mg/L	10	11/30/2010 10:47:00 AM	KNS

Sample Narrative

SW-846 9012A (Total)

Sample concentration was greater than 5 times the spike concentration.

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit because insufficient sample was available due to lab error.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225Ameren Champaign 62408080120**Lab Order:** 10111138**Report Date:** 07-Dec-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10111138-001A	4091 Treated 11-29-10	11/29/2010	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	11/29/2010 7:05:07 PM	11/30/2010 10:56:00 AM
10111138-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		11/29/2010 5:24:00 PM
				Standard Methods 18th Ed. 2540 D		12/1/2010 9:00:00 AM
				Standard Methods 18th Ed. 5210 B	11/29/2010 6:10:00 PM	11/29/2010 6:10:00 PM
10111138-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	11/29/2010 5:25:00 PM	11/30/2010 10:35:47 AM
				SW-846 3020A, Metals by GFAA (Total)	11/29/2010 5:20:36 PM	11/30/2010 10:53:58 AM
				SW-846 7470A (Total)	11/30/2010 10:00:00 AM	11/30/2010
10111138-001D				SW-846 9012A		11/30/2010 10:47:00 AM
				SW-846 9012A (Total)		11/30/2010 10:47:00 AM
10111138-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		11/29/2010 6:42:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M2540 D

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-R143093		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 143093		
Client ID: ZZZZZZ		Batch ID: R143093					Analysis Date: 12/1/2010			SeqNo: 2806726	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R143093		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143093		
Client ID: ZZZZZZ		Batch ID: R143093			Analysis Date: 12/1/2010			SeqNo: 2806727				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 10111138-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 143093		
Client ID: 4091 Treated 11-29-		Batch ID: R143093			Analysis Date: 12/1/2010			SeqNo: 2806749				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCS-R143093		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143093		
Client ID: ZZZZZZ		Batch ID: R143093			Analysis Date: 12/1/2010			SeqNo: 2806769				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	89	6	100.0	0	89.0	85	115				
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Sample ID: LCS-R143093		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143093		
Client ID: ZZZZZZ		Batch ID: R143093			Analysis Date: 12/1/2010			SeqNo: 2806776				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M4500-H B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: LCS-R142999	SampType: LCS	Units:			Prep Date:			RunNo: 142999			
Client ID: ZZZZZZ	Batch ID: R142999				Analysis Date: 11/29/2010			SeqNo: 2804649			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				

Sample ID: 1011138-001BDUP	SampType: DUP	Units:				Prep Date:				RunNo: 142999		
Client ID: 4091 Treated 11-29-	Batch ID: R142999					Analysis Date: 11/29/2010				SeqNo: 2805884		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.60	1.00						7.570	0.396	10		

Sample ID: LCS-R142999	SampType: LCS	Units:				Prep Date:				RunNo: 142999		
Client ID: ZZZZZZ	Batch ID: R142999					Analysis Date: 11/29/2010				SeqNo: 2804650		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9					

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M5210 B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: LCS-64631	SampType: LCS	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143256			
Client ID: ZZZZZZ	Batch ID: 64631	SOP 2030			Analysis Date: 11/29/2010			SeqNo: 2810997			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	209	5	198.0	0	105.6	84.6	115.4				
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Sample ID: 10111138-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143256			
Client ID: 4091 Treated 11-29-	Batch ID: 64631	SOP 2030			Analysis Date: 11/29/2010			SeqNo: 2811041			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	17	5						13.00	26.7	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW6010B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-64626		SampType: MBLK		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143130			
Client ID: ZZZZZZ		Batch ID: 64626		SOP 3034		Analysis Date: 12/2/2010		SeqNo: 2808301			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
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Sample ID: LCS-64626		SampType: LCS			Units: mg/L		Prep Date: 11/29/2010			RunNo: 143130		
Client ID: ZZZZZZ		Batch ID: 64626			SOP 3034		Analysis Date: 12/2/2010			SeqNo: 2808302		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.206	0.0100	0.2000	0	103.2	85	115				
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Sample ID: MB-64626		SampType: MBLK			Units: mg/L		Prep Date: 11/29/2010			RunNo: 143204		
Client ID: ZZZZZZ		Batch ID: 64626			SOP 3034		Analysis Date: 12/3/2010			SeqNo: 2810639		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.0060	0.0100	0.01000	0	60.0	-100	100				J
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-64626		SampType: LCS			Units: mg/L		Prep Date: 11/29/2010			RunNo: 143204		
Client ID: ZZZZZZ		Batch ID: 64626			SOP 3034		Analysis Date: 12/3/2010			SeqNo: 2810640		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.198	0.0100	0.2000	0	98.8	85	115				
Silver	0.0544	0.0100	0.05000	0	108.8	85	115				

Sample ID: MB-64626		SampType: MBLK		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143027			
Client ID: ZZZZZZ		Batch ID: 64626		SOP 3034		Analysis Date: 11/30/2010		SeqNo: 2805412			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW6010B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-64626	SampType: MBLK	Units: mg/L				Prep Date: 11/29/2010			RunNo: 143027		
Client ID: ZZZZZZ	Batch ID: 64626	SOP 3034				Analysis Date: 11/30/2010			SeqNo: 2805412		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-64626	SampType: LCS	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143027			
Client ID: ZZZZZZ	Batch ID: 64626	SOP 3034			Analysis Date: 11/30/2010			SeqNo: 2805413			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	104.9	85	115				
Barium	2.11	0.0050	2.000	0	105.7	85	115				
Cadmium	0.0528	0.0020	0.05000	0	105.6	85	115				
Chromium	0.222	0.0100	0.2000	0	111.0	85	115				
Selenium	2.20	0.0500	2.000	0	110.0	85	115				
Silver	0.0558	0.0100	0.05000	0	111.6	85	115				

Sample ID: 10111138-001CMS	SampType: MS	Units: mg/L			Prep Date: 11/29/2010			RunNo: 143027			
Client ID: 4091 Treated 11-29-	Batch ID: 64626	SOP 3034			Analysis Date: 11/30/2010			SeqNo: 2805416			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.05	0.0250	2.000	0	102.4	75	125				
Barium	2.04	0.0050	2.000	0.07630	98.0	75	125				
Cadmium	0.0487	0.0020	0.05000	0.0003000	96.8	75	125				
Chromium	0.204	0.0100	0.2000	0	102.0	75	125				
Selenium	2.10	0.0500	2.000	0	104.9	75	125				
Silver	0.0484	0.0100	0.05000	0	96.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW6010B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: 10111138-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143027			
Client ID: 4091 Treated 11-29-		Batch ID: 64626		SOP 3034		Analysis Date: 11/30/2010		SeqNo: 2805417			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.14	0.0250	2.000	0	107.0	75	125	2.048	4.39	20	
Barium	2.11	0.0050	2.000	0.07630	101.6	75	125	2.036	3.52	20	
Cadmium	0.0511	0.0020	0.05000	0.0003000	101.6	75	125	0.04870	4.81	20	
Chromium	0.218	0.0100	0.2000	0	108.8	75	125	0.2040	6.45	20	
Selenium	2.20	0.0500	2.000	0	110.0	75	125	2.098	4.79	20	
Silver	0.0546	0.0100	0.05000	0	109.2	75	125	0.04840	12.0	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW7000 G

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-64629		SampType: MBLK		Units: mg/L		Prep Date: 11/29/2010			RunNo: 143024		
Client ID: ZZZZZZ		Batch ID: 64629		SOP 3044		Analysis Date: 11/30/2010			SeqNo: 2805333		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-64629		SampType: LCS		Units: mg/L		Prep Date: 11/29/2010			RunNo: 143024		
Client ID: ZZZZZZ		Batch ID: 64629		SOP 3044		Analysis Date: 11/30/2010			SeqNo: 2805334		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0140	0.0020	0.01500	0	93.0	80	120			
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Sample ID: 10111138-001CMS		SampType: MS		Units: mg/L		Prep Date: 11/29/2010			RunNo: 143024		
Client ID: 4091 Treated 11-29-		Batch ID: 64629		SOP 3044		Analysis Date: 11/30/2010			SeqNo: 2805336		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0128	0.0020	0.01500	0	85.6	70	130			
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Sample ID: 10111138-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/29/2010			RunNo: 143024		
Client ID: 4091 Treated 11-29-		Batch ID: 64629		SOP 3044		Analysis Date: 11/30/2010			SeqNo: 2805337		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0129	0.0020	0.01500	0	85.9	70	130	0.01283	0.442	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW7470 A

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-64636	SampType: MBLK	Units: mg/L				Prep Date: 11/30/2010			RunNo: 143042		
Client ID: ZZZZZZ	Batch ID: 64636	SOP 3062				Analysis Date: 11/30/2010			SeqNo: 2805825		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-64636	SampType: LCS	Units: mg/L				Prep Date: 11/30/2010			RunNo: 143042		
Client ID: ZZZZZZ	Batch ID: 64636	SOP 3062				Analysis Date: 11/30/2010			SeqNo: 2805826		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00508	0.00020	0.005000	0	101.6	85	115				

Sample ID: MB-64636	SampType: MBLK	Units: mg/L				Prep Date: 11/30/2010			RunNo: 143042		
Client ID: ZZZZZZ	Batch ID: 64636	SOP 3062				Analysis Date: 11/30/2010			SeqNo: 2805823		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-64636	SampType: LCS	Units: mg/L				Prep Date: 11/30/2010			RunNo: 143042		
Client ID: ZZZZZZ	Batch ID: 64636	SOP 3062				Analysis Date: 11/30/2010			SeqNo: 2805824		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00508	0.00020	0.005000	0	101.6	85	115				

Sample ID: 10111138-001CMS	SampType: MS	Units: mg/L				Prep Date: 11/30/2010			RunNo: 143042		
Client ID: 4091 Treated 11-29-	Batch ID: 64636	SOP 3062				Analysis Date: 11/30/2010			SeqNo: 2805830		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00448	0.00020	0.005000	0	89.6	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW7470 A

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: 10111138-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 11/30/2010		RunNo: 143042			
Client ID: 4091 Treated 11-29-		Batch ID: 64636		SOP 3062		Analysis Date: 11/30/2010		SeqNo: 2805831			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00448	0.00020	0.005000	0	89.6	75	125	0.004480	0	15	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8260B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: 10111138-001EMS		SampType: MS		Units: µg/L		Prep Date: 11/29/2010		RunNo: 143023			
Client ID: 4091 Treated 11-29-		Batch ID: 64643		SW5030		Analysis Date: 11/29/2010		SeqNo: 2805314			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	55.2	2.0	48.00	0	115.1	57.8	125				
Ethylbenzene	49.9	5.0	48.00	0	103.9	72.8	123				
Toluene	50.3	5.0	48.00	0	104.8	75.8	123				
Xylenes, Total	98.4	5.0	96.00	0	102.5	73	127				
Surr: 1,2-Dichloroethane-d4	48.9		50.00		97.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.1		50.00		100.1	86	119				
Surr: Dibromofluoromethane	52.3		50.00		104.7	81.7	123				
Surr: Toluene-d8	47.3		50.00		94.5	84.3	114				

Sample ID: 10111138-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 11/29/2010		RunNo: 143023			
Client ID: 4091 Treated 11-29-		Batch ID: 64643		SW5030		Analysis Date: 11/29/2010		SeqNo: 2805315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54.1	2.0	48.00	0	112.7	57.8	125	55.25	2.10	20	
Ethylbenzene	49.0	5.0	48.00	0	102.0	72.8	123	49.86	1.84	20	
Toluene	49.5	5.0	48.00	0	103.2	75.8	123	50.30	1.56	20	
Xylenes, Total	98.0	5.0	96.00	0	102.1	73	127	98.39	0.397	20	
Surr: 1,2-Dichloroethane-d4	49.2		50.00		98.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	49.2		50.00		98.4	86	119		0	0	
Surr: Dibromofluoromethane	52.7		50.00		105.3	81.7	123		0	0	
Surr: Toluene-d8	45.9		50.00		91.9	84.3	114		0	0	

Sample ID: LCS-N101129-1		SampType: LCS		Units: µg/L		Prep Date: 11/29/2010		RunNo: 143023			
Client ID: ZZZZZZ		Batch ID: 64643		SW5030		Analysis Date: 11/29/2010		SeqNo: 2805306			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.8	2.00	50.00	0	91.6	82.7	117				
Ethylbenzene	44.3	5.00	50.00	0	88.6	83	113				
Toluene	43.8	5.00	50.00	0	87.6	79.6	116				
Xylenes, Total	133	5.00	150.0	0	88.6	80.3	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8260B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: LCS-N101129-1		SampType: LCS		Units: µg/L		Prep Date: 11/29/2010		RunNo: 143023			
Client ID: ZZZZZZ		Batch ID: 64643		SW5030		Analysis Date: 11/29/2010		SeqNo: 2805306			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	47.6		50.00		95.2	74.7	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.4	86	119				
Surr: Dibromofluoromethane	51.9		50.00		103.8	81.7	123				
Surr: Toluene-d8	47.0		50.00		94.0	84.3	114				

Sample ID: LCSD-N101129-1		SampType: LCSD		Units: µg/L		Prep Date: 11/29/2010		RunNo: 143023			
Client ID: ZZZZZZ		Batch ID: 64643		SW5030		Analysis Date: 11/29/2010		SeqNo: 2805307			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	49.0	2.00	50.00	0	97.9	82.7	117	45.82	6.65	20	
Ethylbenzene	43.6	5.00	50.00	0	87.1	83	113	44.28	1.62	20	
Toluene	44.3	5.00	50.00	0	88.6	79.6	116	43.79	1.18	20	
Xylenes, Total	133	5.00	150.0	0	88.5	80.3	120	132.9	0.166	20	
Surr: 1,2-Dichloroethane-d4	48.8		50.00		97.6	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	52.1		50.00		104.1	86	119		0	20	
Surr: Dibromofluoromethane	53.3		50.00		106.6	81.7	123		0	20	
Surr: Toluene-d8	45.7		50.00		91.4	84.3	114		0	20	

Sample ID: LCSG-N101129-1		SampType: LCSG		Units: %REC		Prep Date: 11/29/2010		RunNo: 143023			
Client ID: ZZZZZZ		Batch ID: 64643		SW5030		Analysis Date: 11/29/2010		SeqNo: 2805309			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	48.8		50.00		97.6	74.7	129				
Surr: 4-Bromofluorobenzene	51.6		50.00		103.3	86	119				
Surr: Dibromofluoromethane	52.3		50.00		104.5	81.7	123				
Surr: Toluene-d8	47.9		50.00		95.9	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8260B

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: LCSGD-N101129-1	SampType: LCSGD	Units: %REC			Prep Date: 11/29/2010			RunNo: 143023			
Client ID: ZZZZZZ	Batch ID: 64643	SW5030			Analysis Date: 11/29/2010			SeqNo: 2805310			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.6		50.00		95.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.9		50.00		103.7	86	119		0	0	
Surr: Dibromofluoromethane	51.1		50.00		102.1	81.7	123		0	0	
Surr: Toluene-d8	48.3		50.00		96.5	84.3	114		0	0	

Sample ID: MBLK-N101129-1	SampType: MBLK	Units: µg/L			Prep Date: 11/29/2010			RunNo: 143023			
Client ID: ZZZZZZ	Batch ID: 64643	SW5030			Analysis Date: 11/29/2010			SeqNo: 2805312			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.00									
Ethylbenzene	ND	5.00									
Toluene	ND	5.00									
Xylenes, Total	ND	5.00									
Surr: 1,2-Dichloroethane-d4	48.7		50.00		97.4	74.7	129				
Surr: 4-Bromofluorobenzene	50.2		50.00		100.4	86	119				
Surr: Dibromofluoromethane	52.4		50.00		104.9	81.7	123				
Surr: Toluene-d8	46.9		50.00		93.8	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-64612		SampType: MBLK		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: ZZZZZZ		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805263			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.0147		0.02500		58.7	41.9	97.9				
Surr: 2-Fluorophenol	0.0275		0.05000		55.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.0201		0.02500		80.4	39.9	106				
Surr: Phenol-d5	0.0181		0.05000		36.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.0186		0.02500		74.5	53	116				

Sample ID: LCS-64612		SampType: LCS		Units: mg/L		Prep Date: 11/29/2010			RunNo: 143019		
Client ID: ZZZZZZ		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010			SeqNo: 2805264		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00419	0.00010	0.005000	0	83.8	50.1	103				
Acenaphthylene	0.00433	0.00010	0.005000	0	86.6	53.3	122				
Anthracene	0.00395	0.00010	0.005000	0	79.0	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: LCS-64612		SampType: LCS		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: ZZZZZZ		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805264			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00368	0.00010	0.005000	0	73.5	56	102				
Benzo(a)pyrene	0.00405	0.00010	0.005000	0	81.0	55.4	125				
Benzo(b)fluoranthene	0.00380	0.00010	0.005000	0	76.1	59.3	127				
Benzo(g,h,i)perylene	0.00408	0.00010	0.005000	0	81.6	58.4	125				
Benzo(k)fluoranthene	0.00394	0.00010	0.005000	0	78.9	61.5	125				
Chrysene	0.00420	0.00010	0.005000	0	84.0	58.7	118				
Dibenzo(a,h)anthracene	0.00405	0.00010	0.005000	0	81.0	59.3	126				
Fluoranthene	0.00402	0.00010	0.005000	0	80.3	60.1	117				
Fluorene	0.00392	0.00010	0.005000	0	78.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00408	0.00010	0.005000	0	81.5	58.1	123				
Naphthalene	0.00374	0.00010	0.005000	0	74.7	36.3	97.1				
Phenanthrene	0.00402	0.00010	0.005000	0	80.5	55.9	107				
Pyrene	0.00391	0.00010	0.005000	0	78.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00378		0.005000		75.5	41.9	97.9				
Surr: 2-Fluorophenol	0.00583		0.01000		58.3	16.1	79.2				
Surr: Nitrobenzene-d5	0.00492		0.005000		98.4	39.9	106				
Surr: Phenol-d5	0.00393		0.01000		39.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00418		0.005000		83.6	53	116				

Sample ID: LCSD-64612		SampType: LCSD		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: ZZZZZZ		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805265			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00424	0.00010	0.005000	0	84.8	50.1	103	0.004188	1.21	50	
Acenaphthylene	0.00417	0.00010	0.005000	0	83.4	53.3	122	0.004330	3.81	50	
Anthracene	0.00397	0.00010	0.005000	0	79.4	57.4	110	0.003952	0.404	50	
Benzo(a)anthracene	0.00390	0.00010	0.005000	0	78.1	56	102	0.003675	6.04	50	
Benzo(a)pyrene	0.00424	0.00010	0.005000	0	84.9	55.4	125	0.004048	4.70	50	
Benzo(b)fluoranthene	0.00434	0.00010	0.005000	0	86.7	59.3	127	0.003803	13.1	50	
Benzo(g,h,i)perylene	0.00438	0.00010	0.005000	0	87.7	58.4	125	0.004079	7.23	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: LCSD-64612		SampType: LCSD		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: ZZZZZZ		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805265			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00432	0.00010	0.005000	0	86.4	61.5	125	0.003943	9.08	50	
Chrysene	0.00446	0.00010	0.005000	0	89.2	58.7	118	0.004198	6.10	50	
Dibenzo(a,h)anthracene	0.00425	0.00010	0.005000	0	85.1	59.3	126	0.004049	4.94	50	
Fluoranthene	0.00390	0.00010	0.005000	0	78.0	60.1	117	0.004017	2.96	50	
Fluorene	0.00396	0.00010	0.005000	0	79.1	54.1	110	0.003922	0.888	50	
Indeno(1,2,3-cd)pyrene	0.00431	0.00010	0.005000	0	86.2	58.1	123	0.004077	5.58	50	
Naphthalene	0.00376	0.00010	0.005000	0	75.2	36.3	97.1	0.003735	0.641	50	
Phenanthrene	0.00415	0.00010	0.005000	0	83.0	55.9	107	0.004024	3.08	50	
Pyrene	0.00402	0.00010	0.005000	0	80.4	61.4	116	0.003911	2.80	50	
Surr: 2-Fluorobiphenyl	0.00388		0.005000		77.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00728		0.01000		72.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00465		0.005000		93.0	39.9	106		0	50	
Surr: Phenol-d5	0.00423		0.01000		42.3	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00438		0.005000		87.5	53	116		0	50	

Sample ID: 10111138-001AMS		SampType: MS		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: 4091 Treated 11-29-		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805507			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00537	0.00012	0.006250	0	85.9	42.4	117				
Acenaphthylene	0.00558	0.00012	0.006250	0	89.2	48.4	133				
Anthracene	0.00489	0.00012	0.006250	0	78.3	52.4	115				
Benzo(a)anthracene	0.00474	0.00012	0.006250	0	75.8	50.8	105				
Benzo(a)pyrene	0.00517	0.00012	0.006250	0	82.7	53.3	126				
Benzo(b)fluoranthene	0.00498	0.00012	0.006250	0	79.7	53.5	131				
Benzo(g,h,i)perylene	0.00523	0.00012	0.006250	0	83.7	54.6	127				
Benzo(k)fluoranthene	0.00501	0.00012	0.006250	0	80.2	56.2	128				
Chrysene	0.00517	0.00012	0.006250	0	82.7	54.4	122				
Dibenzo(a,h)anthracene	0.00514	0.00012	0.006250	0	82.2	54.8	127				
Fluoranthene	0.00502	0.00012	0.006250	0	80.4	54.5	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: 10111138-001AMS		SampType: MS		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: 4091 Treated 11-29-		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805507			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	0.00516	0.00012	0.006250	0	82.6	47.7	119				
Indeno(1,2,3-cd)pyrene	0.00515	0.00012	0.006250	0	82.4	53.2	125				
Naphthalene	0.00490	0.00012	0.006250	0	78.4	36.3	107				
Phenanthrene	0.00513	0.00012	0.006250	0	82.1	51	112				
Pyrene	0.00500	0.00012	0.006250	0	80.1	55.9	121				
Surr: 2-Fluorobiphenyl	0.00423		0.006250		67.6	41.1	108				
Surr: 2-Fluorophenol	0.00769		0.01250		61.5	16.8	65.9				
Surr: Nitrobenzene-d5	0.00548		0.006250		87.7	37.6	105				
Surr: Phenol-d5	0.00460		0.01250		36.8	11	42.8				
Surr: p-Terphenyl-d14	0.00450		0.006250		72.0	49	113				

Sample ID: 10111138-001AMSD		SampType: MSD		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: 4091 Treated 11-29-		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805508			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00515	0.00012	0.006250	0	82.5	42.4	117	0.005366	4.04	50	
Acenaphthylene	0.00514	0.00012	0.006250	0	82.3	48.4	133	0.005575	8.07	50	
Anthracene	0.00505	0.00012	0.006250	0	80.8	52.4	115	0.004892	3.22	50	
Benzo(a)anthracene	0.00434	0.00012	0.006250	0	69.4	50.8	105	0.004740	8.87	50	
Benzo(a)pyrene	0.00482	0.00012	0.006250	0	77.0	53.3	126	0.005171	7.13	50	
Benzo(b)fluoranthene	0.00481	0.00012	0.006250	0	77.0	53.5	131	0.004981	3.47	50	
Benzo(g,h,i)perylene	0.00492	0.00012	0.006250	0	78.7	54.6	127	0.005229	6.06	50	
Benzo(k)fluoranthene	0.00479	0.00012	0.006250	0	76.6	56.2	128	0.005014	4.59	50	
Chrysene	0.00483	0.00012	0.006250	0	77.3	54.4	122	0.005169	6.72	50	
Dibenzo(a,h)anthracene	0.00498	0.00012	0.006250	0	79.7	54.8	127	0.005140	3.19	50	
Fluoranthene	0.00494	0.00012	0.006250	0	79.0	54.5	122	0.005022	1.73	50	
Fluorene	0.00468	0.00012	0.006250	0	74.8	47.7	119	0.005160	9.86	50	
Indeno(1,2,3-cd)pyrene	0.00503	0.00012	0.006250	0	80.5	53.2	125	0.005150	2.31	50	
Naphthalene	0.00444	0.00012	0.006250	0	71.1	36.3	107	0.004900	9.82	50	
Phenanthrene	0.00508	0.00012	0.006250	0	81.3	51	112	0.005129	0.906	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: 10111138-001AMSD		SampType: MSD		Units: mg/L		Prep Date: 11/29/2010		RunNo: 143019			
Client ID: 4091 Treated 11-29-		Batch ID: 64612		SW3510C		Analysis Date: 11/30/2010		SeqNo: 2805508			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	0.00469	0.00012	0.006250	0	75.1	55.9	121	0.005004	6.39	50	
Surr: 2-Fluorobiphenyl	0.00397		0.006250		63.5	41.1	108		0	50	
Surr: 2-Fluorophenol	0.00703		0.01250		56.2	16.8	65.9		0	50	
Surr: Nitrobenzene-d5	0.00528		0.006250		84.5	37.6	105		0	50	
Surr: Phenol-d5	0.00427		0.01250		34.1	11	42.8		0	50	
Surr: p-Terphenyl-d14	0.00460		0.006250		73.7	49	113		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10111138

Report Date: 07-Dec-10

Sample ID: MB-R143037		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 143037		
Client ID: ZZZZZZ		Batch ID: R143037			Analysis Date: 11/30/2010			SeqNo: 2805609				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R143037		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143037		
Client ID: ZZZZZZ		Batch ID: R143037			Analysis Date: 11/30/2010			SeqNo: 2805610				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.026	0.007	0.02500	0	102.6	90	110				
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Sample ID: LCS-R143037	SampType: LCS	Units: mg/L				Prep Date:				RunNo: 143037		
Client ID: ZZZZZZ	Batch ID: R143037					Analysis Date: 11/30/2010				SeqNo: 2805611		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.028	0.007	0.02500	0	110.5	85	115				
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Sample ID: 10111138-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 143037		
Client ID: 4091 Treated 11-29-		Batch ID: R143037			Analysis Date: 11/30/2010			SeqNo: 2805865				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.141	0.070	0.02500	0.1155	102.3	75	125				
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Sample ID: 10111138-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 143037		
Client ID: 4091 Treated 11-29-		Batch ID: R143037					Analysis Date: 11/30/2010			SeqNo: 2805866	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.129	0.070	0.02500	0.1155	52.8	75	125	0.1411	9.16	15	S
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62408080120

Lab Order: 10111138

Report Date: 07-Dec-10

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

29-Nov-10

Dawn Brantley

Reviewed by:

On:

30-Nov-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09958

1011138

[illegible]

Teklab, Inc.
CourierPickUp

1234

Samples Iced:

☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- | | |
|--|--|
| ☐ Volatile Organics | Hydrochloric acid (HCl) |
| ☐ VOC Soil (5035) | Sodium Bisulfate/Methanol |
| ☐ TPH | Hydrochloric acid and/or Sulfuric acid |
| ☐ Metals | Nitric acid (HNO ₃) |
| ☐ Cyanide | Sodium hydroxide (NaOH) |
| ☐ Other (Specify) | |

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ 3TD ☐ Other _____

Fax and/or Mail Results to: P. Sazama and L. Hoosier

Send Invoice to:

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

*** Special:**

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Ed Bullard	11-29-10	1:30 PM
	11/29/10	1630

Received by:

Signature	Date	Time
	11/29/10	1330
	11/29/10	1630

Distribution:	WHITE to Lab	CANARY to PM	PINK to QA/QC
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PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

December 08, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62408080120

WorkOrder: 10120032

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 12/1/2010 12:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62408080120

Lab Order: 10120032

Report Date: 08-Dec-10

Lab Sample ID	Client Sample ID	Fractions	Collection Date
10120032-001	6785 Treated 11-30-10	5	11/30/2010 1:30:00 PM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62408080120

LabOrder: 10120032

Report Date: 08-Dec-10

Cooler Receipt Temp: 4.0 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10120032

Lab ID: 10120032-001

Report Date: 08-Dec-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 6785 Treated 11-30-10

Collection Date: 11/30/2010 1:30:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.09		1	12/1/2010 4:26:00 PM	CS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	12/1/2010 3:30:00 PM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	12/1/2010 5:20:00 PM	PD
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/2/2010 11:38:42 AM	JMW
Barium	NELAP	0.0050		0.0400	mg/L	1	12/2/2010 11:38:42 AM	JMW
Cadmium	NELAP	0.0020	J	0.0008	mg/L	1	12/2/2010 11:38:42 AM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	12/2/2010 11:38:42 AM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	12/2/2010 11:38:42 AM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	12/2/2010 11:38:42 AM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	12/2/2010 2:49:22 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	12/2/2010 10:54:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		78.1	%REC	1	12/2/2010 10:54:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		53.9	%REC	1	12/2/2010 10:54:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		78.8	%REC	1	12/2/2010 10:54:00 AM	MAV
Surr: Phenol-d5		11-42.8		32.8	%REC	1	12/2/2010 10:54:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		87.1	%REC	1	12/2/2010 10:54:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 10120032

Lab ID: 10120032-001

Report Date: 08-Dec-10

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 6785 Treated 11-30-10

Collection Date: 11/30/2010 1:30:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	12/2/2010 12:08:00 AM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/2/2010 12:08:00 AM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	12/2/2010 12:08:00 AM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	12/2/2010 12:08:00 AM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		100.2	%REC	1	12/2/2010 12:08:00 AM	CCF
Surr: 4-Bromofluorobenzene		86-119		99.7	%REC	1	12/2/2010 12:08:00 AM	CCF
Surr: Dibromofluoromethane		81.7-123		106.5	%REC	1	12/2/2010 12:08:00 AM	CCF
Surr: Toluene-d8		84.3-114		92.1	%REC	1	12/2/2010 12:08:00 AM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	12/2/2010	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.028		0.038	mg/L	4	12/2/2010 9:07:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.028		0.074	mg/L	4	12/2/2010 9:07:00 AM	KNS

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
10120032-001A	6785 Treated 11-30-10	11/30/2010	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	12/1/2010 7:00:36 PM	12/2/2010 10:54:00 AM
10120032-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		12/1/2010 4:26:00 PM
				Standard Methods 18th Ed. 2540 D		12/1/2010 3:30:00 PM
				Standard Methods 18th Ed. 5210 B	12/1/2010 5:20:00 PM	12/1/2010 5:20:00 PM
10120032-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	12/1/2010 2:21:41 PM	12/2/2010 11:38:42 AM
				SW-846 3020A, Metals by GFAA (Total)	12/1/2010 2:22:52 PM	12/2/2010 2:49:22 PM
				SW-846 7470A (Total)	12/1/2010 4:09:17 PM	12/2/2010
10120032-001D				SW-846 9012A		12/2/2010 9:07:00 AM
				SW-846 9012A (Total)		12/2/2010 9:07:00 AM
10120032-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		12/2/2010 12:08:00 AM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M2540 D

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: MB-R143126		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 143126		
Client ID: ZZZZZZ		Batch ID: R143126					Analysis Date: 12/1/2010			SeqNo: 2807684	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R143126		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143126		
Client ID: ZZZZZZ		Batch ID: R143126			Analysis Date: 12/1/2010			SeqNo: 2807685				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	91	6	100.0	0	91.0	85	115				
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Sample ID: LCS-R143126		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143126		
Client ID: ZZZZZZ		Batch ID: R143126			Analysis Date: 12/1/2010			SeqNo: 2807702				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: LCS-R143126		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143126		
Client ID: ZZZZZZ		Batch ID: R143126			Analysis Date: 12/1/2010			SeqNo: 2807723				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: LCS-R143126		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143126		
Client ID: ZZZZZZ		Batch ID: R143126			Analysis Date: 12/1/2010			SeqNo: 2807750				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
------------------------	----	---	-------	---	------	----	-----	--	--	--	--

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M2540 D

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: 10120032-001BDUP		SampType: DUP		Units: mg/L		Prep Date:		RunNo: 143126			
Client ID: 6785 Treated 11-30-		Batch ID: R143126				Analysis Date: 12/1/2010		SeqNo: 2807840			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6						0	0	15	

Sample ID: LCS-R143126		SampType: LCS		Units: mg/L		Prep Date:		RunNo: 143126			
Client ID: ZZZZZZ		Batch ID: R143126				Analysis Date: 12/1/2010		SeqNo: 2807841			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	89	6	100.0	0	89.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M4500-H B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCS-R143118		SampType: LCS			Units:		Prep Date:			RunNo: 143118		
Client ID: ZZZZZZ		Batch ID: R143118						Analysis Date: 12/1/2010			SeqNo: 2807368	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lab pH	6.96	1.00	7.000	0	99.4	99.1	100.9				
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Sample ID: 10120032-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 143118		
Client ID: 6785 Treated 11-30-		Batch ID: R143118				Analysis Date: 12/1/2010			SeqNo: 2807376		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.11	1.00						9.090	0.220	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: M5210 B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCS-64694	SampType: LCS	Units: mg/L			Prep Date: 12/1/2010			RunNo: 143308			
Client ID: ZZZZZZ	Batch ID: 64694	SOP 2030			Analysis Date: 12/1/2010			SeqNo: 2812161			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	201	5	198.0	0	101.5	84.6	115.4				

Sample ID: 10120032-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 12/1/2010			RunNo: 143308			
Client ID: 6785 Treated 11-30-	Batch ID: 64694	SOP 2030			Analysis Date: 12/1/2010			SeqNo: 2812180			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	< 5	5						0	0	40	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW6010B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: MB-64686	SampType: MBLK	Units: mg/L			Prep Date: 12/1/2010			RunNo: 143156			
Client ID: ZZZZZZ	Batch ID: 64686	SOP 3034			Analysis Date: 12/2/2010			SeqNo: 2808580			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-64686	SampType: LCS	Units: mg/L			Prep Date: 12/1/2010			RunNo: 143156			
Client ID: ZZZZZZ	Batch ID: 64686	SOP 3034			Analysis Date: 12/2/2010			SeqNo: 2808584			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	85	115				
Barium	1.99	0.0050	2.000	0	99.4	85	115				
Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
Chromium	0.212	0.0100	0.2000	0	106.2	85	115				
Selenium	2.07	0.0500	2.000	0	103.7	85	115				
Silver	0.0539	0.0100	0.05000	0	107.8	85	115				

Sample ID: MB-64686	SampType: MBLK	Units: mg/L			Prep Date: 12/1/2010			RunNo: 143156			
Client ID: ZZZZZZ	Batch ID: 64686	SOP 3034			Analysis Date: 12/2/2010			SeqNo: 2808581			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW6010B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCS-64686	SampType: LCS	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143156		
Client ID: ZZZZZZ	Batch ID: 64686	SOP 3034				Analysis Date: 12/2/2010			SeqNo: 2808585		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.07	0.0250	2.000	0	103.4	85	115				
Barium	1.99	0.0050	2.000	0	99.4	85	115				
Cadmium	0.0508	0.0020	0.05000	0	101.6	85	115				
Chromium	0.212	0.0100	0.2000	0	106.2	85	115				
Selenium	2.07	0.0500	2.000	0	103.7	85	115				
Silver	0.0539	0.0100	0.05000	0	107.8	85	115				

Sample ID: 10120032-001CMS	SampType: MS	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143156		
Client ID: 6785 Treated 11-30-	Batch ID: 64686	SOP 3034				Analysis Date: 12/2/2010			SeqNo: 2808589		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0	102.2	75	125				
Barium	1.99	0.0050	2.000	0.04000	97.4	75	125				
Cadmium	0.0491	0.0020	0.05000	0.0008000	96.6	75	125				
Chromium	0.216	0.0100	0.2000	0	108.0	75	125				
Selenium	2.08	0.0500	2.000	0	103.8	75	125				
Silver	0.0491	0.0100	0.05000	0	98.2	75	125				

Sample ID: 10120032-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143156		
Client ID: 6785 Treated 11-30-	Batch ID: 64686	SOP 3034				Analysis Date: 12/2/2010			SeqNo: 2808590		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.0250	2.000	0	100.5	75	125	2.044	1.73	20	
Barium	1.94	0.0050	2.000	0.04000	94.8	75	125	1.988	2.70	20	
Cadmium	0.0475	0.0020	0.05000	0.0008000	93.4	75	125	0.04910	3.31	20	
Chromium	0.210	0.0100	0.2000	0	105.2	75	125	0.2159	2.63	20	
Selenium	2.02	0.0500	2.000	0	101.0	75	125	2.075	2.69	20	
Silver	0.0494	0.0100	0.05000	0	98.8	75	125	0.04910	0.609	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW7000 G

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: MB-64688		SampType: MBLK		Units: mg/L		Prep Date: 12/1/2010			RunNo: 143170		
Client ID: ZZZZZZ		Batch ID: 64688		SOP 3044		Analysis Date: 12/2/2010			SeqNo: 2808858		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-64688		SampType: LCS		Units: mg/L		Prep Date: 12/1/2010			RunNo: 143170		
Client ID: ZZZZZZ		Batch ID: 64688		SOP 3044		Analysis Date: 12/2/2010			SeqNo: 2808859		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0124	0.0020	0.01500	0	82.9	80	120			
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Sample ID: 10120032-001CMS		SampType: MS		Units: mg/L		Prep Date: 12/1/2010		RunNo: 143170			
Client ID: 6785 Treated 11-30-		Batch ID: 64688		SOP 3044		Analysis Date: 12/2/2010		SeqNo: 2808861			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0119	0.0020	0.01500	0	79.4	70	130			
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Sample ID: 10120032-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 12/1/2010			RunNo: 143170		
Client ID: 6785 Treated 11-30-		Batch ID: 64688		SOP 3044		Analysis Date: 12/2/2010			SeqNo: 2808862		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0119	0.0020	0.01500	0	79.1	70	130	0.01191	0.333	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW7470 A

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: MB-64690	SampType: MBLK	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ	Batch ID: 64690	SOP 3062				Analysis Date: 12/2/2010			SeqNo: 2808696		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-64690	SampType: LCS	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ	Batch ID: 64690	SOP 3062				Analysis Date: 12/2/2010			SeqNo: 2808697		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00476	0.00020	0.005000	0	95.2	85	115				

Sample ID: 10120032-001CMS	SampType: MS	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143161		
Client ID: 6785 Treated 11-30-	Batch ID: 64690	SOP 3062				Analysis Date: 12/2/2010			SeqNo: 2808665		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00464	0.00020	0.005000	0	92.8	75	125				

Sample ID: 10120032-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143161		
Client ID: 6785 Treated 11-30-	Batch ID: 64690	SOP 3062				Analysis Date: 12/2/2010			SeqNo: 2808666		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00463	0.00020	0.005000	0	92.6	75	125	0.004640	0.216	15	

Sample ID: MB-64690	SampType: MBLK	Units: mg/L				Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ	Batch ID: 64690	SOP 3062				Analysis Date: 12/2/2010			SeqNo: 2808692		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW7470 A

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCS-64690		SampType: LCS		Units: mg/L		Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ		Batch ID: 64690		SOP 3062		Analysis Date: 12/2/2010			SeqNo: 2808693		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00476	0.00020	0.005000	0	95.2	85	115				
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Sample ID: MB-64690		SampType: MBLK		Units: µg/L		Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ		Batch ID: 64690		SOP 3062		Analysis Date: 12/2/2010			SeqNo: 2808698		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-64690		SampType: LCS		Units: µg/L		Prep Date: 12/1/2010		RunNo: 143161			
Client ID: ZZZZZZ		Batch ID: 64690		SOP 3062		Analysis Date: 12/2/2010		SeqNo: 2808699			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	4.76	0.20	5.000	0	95.2	85	115				
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Sample ID: MB-64690		SampType: MBLK		Units: µg/L		Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ		Batch ID: 64690		SOP 3062		Analysis Date: 12/2/2010			SeqNo: 2808694		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Sample ID: LCS-64690		SampType: LCS			Units: µg/L		Prep Date: 12/1/2010			RunNo: 143161		
Client ID: ZZZZZZ		Batch ID: 64690			SOP 3062		Analysis Date: 12/2/2010			SeqNo: 2808695		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury	4.76	0.20	5.000	0	95.2	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8260B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: 10120032-001EMS		SampType: MS		Units: µg/L		Prep Date: 12/1/2010		RunNo: 143153			
Client ID: 6785 Treated 11-30-		Batch ID: 64714		SW5030		Analysis Date: 12/2/2010		SeqNo: 2808508			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	55.5	2.0	48.00	0	115.6	57.8	125				
Ethylbenzene	49.4	5.0	48.00	0	102.9	72.8	123				
Toluene	49.8	5.0	48.00	0	103.9	75.8	123				
Xylenes, Total	98.6	5.0	96.00	0	102.7	73	127				
Surr: 1,2-Dichloroethane-d4	49.0		50.00		98.0	74.7	129				
Surr: 4-Bromofluorobenzene	49.9		50.00		99.7	86	119				
Surr: Dibromofluoromethane	52.8		50.00		105.5	81.7	123				
Surr: Toluene-d8	46.8		50.00		93.6	84.3	114				

Sample ID: 10120032-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 12/1/2010		RunNo: 143153			
Client ID: 6785 Treated 11-30-		Batch ID: 64714		SW5030		Analysis Date: 12/2/2010		SeqNo: 2808509			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54.1	2.0	48.00	0	112.7	57.8	125	55.47	2.54	20	
Ethylbenzene	50.0	5.0	48.00	0	104.1	72.8	123	49.38	1.19	20	
Toluene	50.8	5.0	48.00	0	105.8	75.8	123	49.85	1.89	20	
Xylenes, Total	98.8	5.0	96.00	0	102.9	73	127	98.63	0.162	20	
Surr: 1,2-Dichloroethane-d4	48.2		50.00		96.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.1		50.00		100.1	86	119		0	0	
Surr: Dibromofluoromethane	52.3		50.00		104.7	81.7	123		0	0	
Surr: Toluene-d8	46.0		50.00		92.0	84.3	114		0	0	

Sample ID: LCS-N101201-1		SampType: LCS		Units: µg/L		Prep Date: 12/1/2010		RunNo: 143153			
Client ID: ZZZZZZ		Batch ID: 64714		SW5030		Analysis Date: 12/1/2010		SeqNo: 2808494			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.1	2.00	50.00	0	98.2	82.7	117				
Ethylbenzene	43.4	5.00	50.00	0	86.8	83	113				
Toluene	44.0	5.00	50.00	0	88.0	79.6	116				
Xylenes, Total	130	5.00	150.0	0	86.4	80.3	120				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8260B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCS-N101201-1		SampType: LCS		Units: µg/L		Prep Date: 12/1/2010			RunNo: 143153		
Client ID: ZZZZZZ		Batch ID: 64714		SW5030		Analysis Date: 12/1/2010			SeqNo: 2808494		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	52.0		50.00		104.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119				
Surr: Dibromofluoromethane	54.8		50.00		109.5	81.7	123				
Surr: Toluene-d8	46.1		50.00		92.2	84.3	114				

Sample ID: LCSD-N101201-1		SampType: LCSD		Units: µg/L		Prep Date: 12/1/2010			RunNo: 143153		
Client ID: ZZZZZZ		Batch ID: 64714		SW5030		Analysis Date: 12/1/2010			SeqNo: 2808495		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	48.5	2.00	50.00	0	96.9	82.7	117	49.10	1.31	20	
Ethylbenzene	43.3	5.00	50.00	0	86.7	83	113	43.38	0.115	20	
Toluene	43.3	5.00	50.00	0	86.7	79.6	116	43.98	1.49	20	
Xylenes, Total	132	5.00	150.0	0	88.1	80.3	120	129.6	1.89	20	
Surr: 1,2-Dichloroethane-d4	50.9		50.00		101.9	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.0		50.00		101.9	86	119		0	20	
Surr: Dibromofluoromethane	53.5		50.00		107.0	81.7	123		0	20	
Surr: Toluene-d8	45.9		50.00		91.7	84.3	114		0	20	

Sample ID: LCSG-N101201-1		SampType: LCSG		Units: %REC		Prep Date: 12/1/2010				RunNo: 143153		
Client ID: ZZZZZZ		Batch ID: 64714		SW5030		Analysis Date: 12/1/2010				SeqNo: 2808497		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	48.8		50.00		97.6	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119				
Surr: Dibromofluoromethane	52.2		50.00		104.4	81.7	123				
Surr: Toluene-d8	47.0		50.00		94.1	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8260B

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCSGD-N101201-1		SampType: LCSGD			Units: %REC		Prep Date: 12/1/2010			RunNo: 143153		
Client ID: ZZZZZZ		Batch ID: 64714			SW5030		Analysis Date: 12/1/2010			SeqNo: 2808498		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 1,2-Dichloroethane-d4	49.2		50.00		98.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.1		50.00		104.2	86	119		0	0	
Surr: Dibromofluoromethane	52.0		50.00		104.1	81.7	123		0	0	
Surr: Toluene-d8	46.6		50.00		93.2	84.3	114		0	0	

Sample ID: MBLK-N101201-1	SampType: MBLK	Units: µg/L			Prep Date: 12/1/2010			RunNo: 143153			
Client ID: ZZZZZZ	Batch ID: 64714	SW5030			Analysis Date: 12/1/2010			SeqNo: 2808500			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	2.00									
Ethylbenzene	ND	5.00									
Toluene	ND	5.00									
Xylenes, Total	ND	5.00									
Surr: 1,2-Dichloroethane-d4	48.4		50.00		96.7	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119				
Surr: Dibromofluoromethane	52.5		50.00		105.1	81.7	123				
Surr: Toluene-d8	46.8		50.00		93.6	84.3	114				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: MB-64696		SampType: MBLK		Units: mg/L		Prep Date: 12/1/2010			RunNo: 143149		
Client ID: ZZZZZZ		Batch ID: 64696		SW3510C		Analysis Date: 12/2/2010			SeqNo: 2808372		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00279		0.005000		55.8	41.9	97.9				
Surr: 2-Fluorophenol	0.00586		0.01000		58.6	16.1	79.2				
Surr: Nitrobenzene-d5	0.00328		0.005000		65.7	39.9	106				
Surr: Phenol-d5	0.00340		0.01000		34.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00413		0.005000		82.7	53	116				

Sample ID: LCS-64696		SampType: LCS		Units: mg/L		Prep Date: 12/1/2010			RunNo: 143149		
Client ID: ZZZZZZ		Batch ID: 64696		SW3510C		Analysis Date: 12/2/2010			SeqNo: 2808373		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00476	0.00010	0.005000	0	95.2	50.1	103				
Acenaphthylene	0.00472	0.00010	0.005000	0	94.4	53.3	122				
Anthracene	0.00474	0.00010	0.005000	0	94.8	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCS-64696		SampType: LCS		Units: mg/L		Prep Date: 12/1/2010		RunNo: 143149			
Client ID: ZZZZZZ		Batch ID: 64696		SW3510C		Analysis Date: 12/2/2010		SeqNo: 2808373			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00400	0.00010	0.005000	0	79.9	56	102				
Benzo(a)pyrene	0.00460	0.00010	0.005000	0	92.1	55.4	125				
Benzo(b)fluoranthene	0.00431	0.00010	0.005000	0	86.2	59.3	127				
Benzo(g,h,i)perylene	0.00444	0.00010	0.005000	0	88.8	58.4	125				
Benzo(k)fluoranthene	0.00434	0.00010	0.005000	0	86.8	61.5	125				
Chrysene	0.00439	0.00010	0.005000	0	87.9	58.7	118				
Dibenzo(a,h)anthracene	0.00432	0.00010	0.005000	0	86.4	59.3	126				
Fluoranthene	0.00465	0.00010	0.005000	0	92.9	60.1	117				
Fluorene	0.00449	0.00010	0.005000	0	89.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00446	0.00010	0.005000	0	89.2	58.1	123				
Naphthalene	0.00337	0.00010	0.005000	0	67.4	36.3	97.1				
Phenanthrene	0.00454	0.00010	0.005000	0	90.8	55.9	107				
Pyrene	0.00450	0.00010	0.005000	0	90.1	61.4	116				
Surr: 2-Fluorobiphenyl	0.00306		0.005000		61.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00600		0.01000		60.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00358		0.005000		71.7	39.9	106				
Surr: Phenol-d5	0.00362		0.01000		36.2	9.94	53.7				
Surr: p-Terphenyl-d14	0.00445		0.005000		88.9	53	116				

Sample ID: LCSD-64696		SampType: LCSD		Units: mg/L		Prep Date: 12/1/2010		RunNo: 143149			
Client ID: ZZZZZZ		Batch ID: 64696		SW3510C		Analysis Date: 12/2/2010		SeqNo: 2808374			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00448	0.00010	0.005000	0	89.5	50.1	103	0.004760	6.15	50	
Acenaphthylene	0.00491	0.00010	0.005000	0	98.2	53.3	122	0.004721	3.97	50	
Anthracene	0.00449	0.00010	0.005000	0	89.9	57.4	110	0.004741	5.35	50	
Benzo(a)anthracene	0.00418	0.00010	0.005000	0	83.6	56	102	0.003996	4.55	50	
Benzo(a)pyrene	0.00516	0.00010	0.005000	0	103.3	55.4	125	0.004603	11.5	50	
Benzo(b)fluoranthene	0.00474	0.00010	0.005000	0	94.7	59.3	127	0.004311	9.37	50	
Benzo(g,h,i)perylene	0.00489	0.00010	0.005000	0	97.8	58.4	125	0.004439	9.69	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW8270C

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: LCSD-64696	SampType: LCSD	Units: mg/L			Prep Date: 12/1/2010			RunNo: 143149			
Client ID: ZZZZZZ	Batch ID: 64696	SW3510C			Analysis Date: 12/2/2010			SeqNo: 2808374			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00478	0.00010	0.005000	0	95.7	61.5	125	0.004338	9.76	50	
Chrysene	0.00488	0.00010	0.005000	0	97.6	58.7	118	0.004394	10.4	50	
Dibenzo(a,h)anthracene	0.00477	0.00010	0.005000	0	95.4	59.3	126	0.004322	9.88	50	
Fluoranthene	0.00465	0.00010	0.005000	0	93.1	60.1	117	0.004646	0.172	50	
Fluorene	0.00416	0.00010	0.005000	0	83.3	54.1	110	0.004489	7.54	50	
Indeno(1,2,3-cd)pyrene	0.00485	0.00010	0.005000	0	97.0	58.1	123	0.004462	8.29	50	
Naphthalene	0.00335	0.00010	0.005000	0	67.0	36.3	97.1	0.003371	0.685	50	
Phenanthrene	0.00454	0.00010	0.005000	0	90.8	55.9	107	0.004542	0.0440	50	
Pyrene	0.00453	0.00010	0.005000	0	90.6	61.4	116	0.004504	0.554	50	
Surr: 2-Fluorobiphenyl	0.00368		0.005000		73.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00549		0.01000		54.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106		0	50	
Surr: Phenol-d5	0.00340		0.01000		34.0	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00400		0.005000		80.1	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62408080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 10120032

Report Date: 08-Dec-10

Sample ID: MB-R143162		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 143162		
Client ID: ZZZZZZ		Batch ID: R143162			Analysis Date: 12/2/2010			SeqNo: 2808763				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R143162		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 143162		
Client ID: ZZZZZZ		Batch ID: R143162			Analysis Date: 12/2/2010			SeqNo: 2808764				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.026 0.007 0.02500 0 103.1 90 110

Sample ID: 10120032-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 143162		
Client ID: 6785 Treated 11-30-		Batch ID: R143162			Analysis Date: 12/2/2010			SeqNo: 2808755				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.104 0.028 0.02500 0.07400 118.6 75 125

Sample ID: 10120032-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 143162		
Client ID: 6785 Treated 11-30-		Batch ID: R143162					Analysis Date: 12/2/2010			SeqNo: 2808756	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.100 0.028 0.02500 0.07400 103.9 75 125 0.1036 3.60 15

Sample ID: MB-R143162		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 143162		
Client ID: ZZZZZZ		Batch ID: R143162			Analysis Date: 12/2/2010			SeqNo: 2808761				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Client: PSC Industrial Outsourcing, LP

Project: A831-735002-012901-225Ameren Champaign 62408080120

Lab Order: 10120032

Report Date: 08-Dec-10

ANALYTICAL QC SUMMARY REPORT

Test Number: SW9012A (TCN) Aqueou

Sample ID: LCS-R143162		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 143162		
Client ID: ZZZZZZ		Batch ID: R143162					Analysis Date: 12/2/2010		SeqNo: 2808762		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.026	0.007	0.02500	0	102.9	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62408080120

Lab Order: 10120032

Report Date: 08-Dec-10

Carrier: Sean Spinner

Received By: EAH

Completed by:

On:

01-Dec-10

Timothy W. Mathis

Reviewed by:

On:

01-Dec-10

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

Chain of Custody Record

COC Serial No. **B** 09959

1012003Z

Project Name: **Champaign MGP** Project Mgr.: **P. SAZAMA**

Project Number: **624-0808-0120** Cost Code: **50002**

Sampler(s): **Ed BALLEW**

Laboratory

Name: **TEKLAB**

Location: **COLLINGSVILLE**

Sample Number and (depth)

Date

Time

6785 Treated

11-30-10

11:30 PM

Matrix

Soil

Water

Air

Wipes

Other *

Total Number of Containers

7

Analyses by Method Name and Number

BTEX (g/L)

SVOC (g/L)

RCRA METALS

Tetra Amide

TSS

Pb

BOD5

Teklab, Inc.

Courier Pick Up

Laboratory Temperature upon Receipt

4.0 °C

Comments (Field PID)

Lab ID #'s

Rush

10120032

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☐ Volatile Organics

Hydrochloric acid (HCl)

☐ VOC Soil (5035)

Sodium Bisulfate/Methanol

☐ TPH

Hydrochloric acid and/or Sulfuric acid

☐ Metals

Nitric acid (HNO3)

☐ Cyanide

Sodium hydroxide (NaOH)

☐ Other (Specify)

Samples Iced:

☒ Rush

☐ 5 Days

☐ STP

☐ Other

Requested TAT:

Fax and/or Mail Results to: **P. SAZAMA & L. HOOSIER**

Send Invoice to:

QC Deliverable Requested:

☐ Full QC & Limits

☐ CLP-LIKE

☐ EDD

☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

January 18, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11010349

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/12/2011 9:20:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010349

Report Date: 18-Jan-11

Lab Sample ID	Client Sample ID	Fractions	Collection Date
11010349-001	6785 Treated 1-11-11	5	1/11/2011 10:30:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 11010349

Report Date: 18-Jan-11

Cooler Receipt Temp: 0.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010349

Lab ID: 11010349-001

Report Date: 18-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 6785 Treated 1-11-11

Collection Date: 1/11/2011 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		8.22		1	1/12/2011 2:16:00 PM	SR
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		6	mg/L	1	1/12/2011 10:00:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		68	mg/L	1	1/12/2011 1:50:00 PM	SR
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	1/13/2011 8:32:37 AM	JMW
Barium	NELAP	0.0050		0.610	mg/L	1	1/13/2011 8:32:37 AM	JMW
Cadmium	NELAP	0.0020	J	0.0008	mg/L	1	1/13/2011 8:32:37 AM	JMW
Chromium	NELAP	0.0100		0.0120	mg/L	1	1/13/2011 8:32:37 AM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	1/13/2011 8:32:37 AM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/13/2011 8:32:37 AM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	1/13/2011 11:06:26 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Acenaphthylene	NELAP	0.00010	J	0.00010	mg/L	1	1/12/2011 7:56:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	1/12/2011 7:56:00 PM	MAV
Total PNAs except Naphthalene		0.00013	J	0.00010	mg/L	1	1/12/2011 7:56:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		66.3	%REC	1	1/12/2011 7:56:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		42.7	%REC	1	1/12/2011 7:56:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		68.3	%REC	1	1/12/2011 7:56:00 PM	MAV
Surr: Phenol-d5		11-42.8		28.6	%REC	1	1/12/2011 7:56:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		75.6	%REC	1	1/12/2011 7:56:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010349

Lab ID: 11010349-001

Report Date: 18-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 6785 Treated 1-11-11

Collection Date: 1/11/2011 10:30:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	1/12/2011 3:33:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	1/12/2011 3:33:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	1/12/2011 3:33:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	1/12/2011 3:33:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		114.1	%REC	1	1/12/2011 3:33:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		105.3	%REC	1	1/12/2011 3:33:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		109.4	%REC	1	1/12/2011 3:33:00 PM	CCF
Surr: Toluene-d8		84.3-114		97.7	%REC	1	1/12/2011 3:33:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	J	0.00008	mg/L	1	1/13/2011	MEK
<u>SW-846 9010B, 9014 (TOTAL)</u>								
Cyanide	NELAP	0.007		0.020	mg/L	1	1/13/2011 4:00:00 PM	NJM
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.007		Interference	mg/L	1	1/13/2011 4:00:00 PM	NJM

Sample Narrative

SW-846 9010B, 9014 (Total)

Insufficient sample amount to analyze MS/MSD.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
11010349-001A	6785 Treated 1-11-11	1/11/2011	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	1/12/2011 11:00:36 AM	1/12/2011 7:56:00 PM
11010349-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		1/12/2011 2:16:00 PM
				Standard Methods 18th Ed. 2540 D		1/12/2011 10:00:00 AM
				Standard Methods 18th Ed. 5210 B	1/12/2011 1:50:00 PM	1/12/2011 1:50:00 PM
11010349-001C				SW-846 9010B, 9014 (Total)	1/13/2011 2:00:00 PM	1/13/2011 4:00:00 PM
				SW-846 9014A	1/13/2011 2:00:00 PM	1/13/2011 4:00:00 PM
11010349-001D				SW-846 3005A, 6010B, Metals by ICP (Total)	1/12/2011 12:48:59 PM	1/13/2011 8:32:37 AM
				SW-846 3020A, Metals by GFAA (Total)	1/12/2011 12:42:16 PM	1/13/2011 11:06:26 AM
				SW-846 7470A (Total)	1/13/2011 9:00:00 AM	1/13/2011
11010349-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		1/12/2011 3:33:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-R144524		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 144524		
Client ID: ZZZZZZ		Batch ID: R144524		Analysis Date: 1/12/2011						SeqNo: 2838189	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R144524		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144524		
Client ID: ZZZZZZ		Batch ID: R144524			Analysis Date: 1/12/2011			SeqNo: 2838190				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Sample ID: 11010349-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 144524		
Client ID: 6785 Treated 1-11-1		Batch ID: R144524		Analysis Date: 1/12/2011			SeqNo: 2838212				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	5	6						6.000	0	15	J
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Sample ID: LCS-R144524		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144524		
Client ID: ZZZZZZ		Batch ID: R144524			Analysis Date: 1/12/2011			SeqNo: 2838213				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	96	6	100.0	0	96.0	85	115				
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Sample ID: LCS-R144524		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144524		
Client ID: ZZZZZZ		Batch ID: R144524			Analysis Date: 1/12/2011			SeqNo: 2838215				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	93	6	100.0	0	93.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M4500-H B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-R144519	SampType: LCS	Units:			Prep Date:			RunNo: 144519			
Client ID: ZZZZZZ	Batch ID: R144519				Analysis Date: 1/12/2011			SeqNo: 2838129			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.02	1.00	7.000	0	100.3	99.1	100.9				
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Sample ID: 11010349-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 144519			
Client ID: 6785 Treated 1-11-1	Batch ID: R144519				Analysis Date: 1/12/2011			SeqNo: 2838136			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	8.22	1.00						8.220	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M5210 B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-65400	SampType: LCS	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144644			
Client ID: ZZZZZZ	Batch ID: 65400	SOP 2030			Analysis Date: 1/12/2011			SeqNo: 2840790			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	199	5	198.0	0	100.5	84.6	115.4				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-65391		SampType: LCS			Units: mg/L		Prep Date: 1/12/2011			RunNo: 144539		
Client ID: ZZZZZZ		Batch ID: 65391			SOP 3034		Analysis Date: 1/13/2011			SeqNo: 2838953		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cadmium	0.0484	0.0020	0.05000	0	96.8	85	115				
Chromium	0.200	0.0100	0.2000	0	100	85	115				

Sample ID: MB-65391		SampType: MBLK		Units: mg/L		Prep Date: 1/12/2011		RunNo: 144539			
Client ID: ZZZZZZ		Batch ID: 65391		SOP 3034		Analysis Date: 1/13/2011		SeqNo: 2839082			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.0091	0.0250	0.02500	0	36.4	-100	100				J
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	0.0003	0.0020	0.002000	0	15.0	-100	100				J
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: MB-65391		SampType: MBLK		Units: mg/L		Prep Date: 1/12/2011		RunNo: 144603			
Client ID: ZZZZZZ		Batch ID: 65391		SOP 3034		Analysis Date: 1/14/2011		SeqNo: 2839882			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
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Sample ID: LCS-65391		SampType: LCS			Units: mg/L		Prep Date: 1/12/2011			RunNo: 144603		
Client ID: ZZZZZZ		Batch ID: 65391			SOP 3034		Analysis Date: 1/14/2011			SeqNo: 2839883		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.202	0.0100	0.2000	0	101.2	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-65391	SampType: LCS	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144539			
Client ID: ZZZZZZ	Batch ID: 65391	SOP 3034			Analysis Date: 1/13/2011			SeqNo: 2838954			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.0250	2.000	0	100.1	85	115				
Barium	1.86	0.0050	2.000	0	93.2	85	115				
Cadmium	0.0484	0.0020	0.05000	0	96.8	85	115				
Chromium	0.200	0.0100	0.2000	0	100	85	115				
Selenium	1.97	0.0500	2.000	0	98.4	85	115				
Silver	0.0450	0.0100	0.05000	0	90.0	85	115				

Sample ID: 11010349-001DMS	SampType: MS	Units: mg/L				Prep Date: 1/12/2011			RunNo: 144539		
Client ID: 6785 Treated 1-11-1	Batch ID: 65391	SOP 3034				Analysis Date: 1/13/2011			SeqNo: 2838956		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.94	0.0250	2.000	0	97.0	75	125				
Barium	2.40	0.0050	2.000	0.6099	89.6	75	125				
Cadmium	0.0462	0.0020	0.05000	0.0008000	90.8	75	125				
Chromium	0.203	0.0100	0.2000	0.01200	95.6	75	125				
Selenium	1.96	0.0500	2.000	0	97.9	75	125				
Silver	0.0492	0.0100	0.05000	0	98.4	75	125				

Sample ID: 11010349-001DMSD	SampType: MSD	Units: mg/L				Prep Date: 1/12/2011			RunNo: 144539		
Client ID: 6785 Treated 1-11-1	Batch ID: 65391	SOP 3034				Analysis Date: 1/13/2011			SeqNo: 2838957		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.95	0.0250	2.000	0	97.6	75	125	1.940	0.565	20	
Barium	2.29	0.0050	2.000	0.6099	84.1	75	125	2.402	4.73	20	
Cadmium	0.0448	0.0020	0.05000	0.0008000	88.0	75	125	0.04620	3.08	20	
Chromium	0.207	0.0100	0.2000	0.01200	97.3	75	125	0.2032	1.66	20	
Selenium	1.90	0.0500	2.000	0	95.0	75	125	1.957	3.01	20	
Silver	0.0498	0.0100	0.05000	0	99.6	75	125	0.04920	1.21	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-65391	SampType: MBLK	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144539			
Client ID: ZZZZZZ	Batch ID: 65391	SOP 3034			Analysis Date: 1/13/2011			SeqNo: 2839063			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7000 G

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-65390		SampType: MBLK		Units: mg/L		Prep Date: 1/12/2011			RunNo: 144556		
Client ID: ZZZZZZ		Batch ID: 65390		SOP 3044		Analysis Date: 1/13/2011			SeqNo: 2838896		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: 11010349-001DMS		SampType: MS		Units: mg/L		Prep Date: 1/12/2011			RunNo: 144556		
Client ID: 6785 Treated 1-11-1		Batch ID: 65390		SOP 3044		Analysis Date: 1/13/2011			SeqNo: 2838899		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0174	0.0020	0.01500	0	116.2	70	130			
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Sample ID: 11010349-001DMSD		SampType: MSD		Units: mg/L		Prep Date: 1/12/2011			RunNo: 144556		
Client ID: 6785 Treated 1-11-1		Batch ID: 65390		SOP 3044		Analysis Date: 1/13/2011			SeqNo: 2838900		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0178	0.0020	0.01500	0	118.6	70	130	0.01743	2.11	20
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Sample ID: LCS-65390		SampType: LCS			Units: mg/L		Prep Date: 1/12/2011			RunNo: 144556		
Client ID: ZZZZZZ		Batch ID: 65390			SOP 3044		Analysis Date: 1/13/2011			SeqNo: 2838901		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0173	0.0020	0.01500	0	115.6	80	120			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-65412	SampType: MBLK	Units: mg/L				Prep Date: 1/13/2011				RunNo: 144567		
Client ID: ZZZZZZ	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011				SeqNo: 2839100		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00007	0.00020	0.0002000	0	35.0	-100	100				J	

Sample ID: LCS-65412		SampType: LCS			Units: mg/L		Prep Date: 1/13/2011			RunNo: 144567		
Client ID: ZZZZZZ		Batch ID: 65412			SOP 3062		Analysis Date: 1/13/2011			SeqNo: 2839101		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00490	0.00020	0.005000	0	98.0	85	115				

Sample ID: 11010349-001DMS		SampType: MS			Units: mg/L		Prep Date: 1/13/2011			RunNo: 144567		
Client ID: 6785 Treated 1-11-1		Batch ID: 65412			SOP 3062		Analysis Date: 1/13/2011			SeqNo: 2839105		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	0.00455	0.00020	0.005000	0.00008000	89.4	75	125					

Sample ID: 11010349-001DMSD	SampType: MSD	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: 6785 Treated 1-11-1	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839106		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00460	0.00020	0.005000	0.00008000	90.4	75	125	0.004550	1.09	15	

Sample ID: MB-65412	SampType: MBLK	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: ZZZZZZ	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839102		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00007	0.00020	0.0002000	0	35.0	-100	100				J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-65412		SampType: LCS			Units: mg/L		Prep Date: 1/13/2011		RunNo: 144567		
Client ID: ZZZZZZ		Batch ID: 65412			SOP 3062		Analysis Date: 1/13/2011		SeqNo: 2839103		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00490	0.00020	0.005000	0	98.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-R110112-1	SampType: LCS	Units: µg/L			Prep Date: 1/12/2011			RunNo: 144558			
Client ID: ZZZZZZ	Batch ID: 65418	SW5030			Analysis Date: 1/12/2011			SeqNo: 2838993			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.4	2.0	50.00	0	88.9	82.7	117				
Ethylbenzene	46.0	5.0	50.00	0	91.9	83	113				
Toluene	44.8	5.0	50.00	0	89.6	79.6	116				
Xylenes, Total	145	5.0	150.0	0	96.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	56.4		50.00		112.8	74.7	129				
Surr: 4-Bromofluorobenzene	51.3		50.00		102.7	86	119				
Surr: Dibromofluoromethane	55.8		50.00		111.7	81.7	123				
Surr: Toluene-d8	47.8		50.00		95.6	84.3	114				

Sample ID: LCSD-R110112-1	SampType: LCSD	Units: µg/L			Prep Date: 1/12/2011			RunNo: 144558			
Client ID: ZZZZZZ	Batch ID: 65418	SW5030			Analysis Date: 1/12/2011			SeqNo: 2838994			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.0	2.0	50.00	0	92.0	82.7	117	44.45	3.38	20	
Ethylbenzene	45.8	5.0	50.00	0	91.6	83	113	45.96	0.327	20	
Toluene	45.8	5.0	50.00	0	91.5	79.6	116	44.78	2.14	20	
Xylenes, Total	146	5.0	150.0	0	97.5	80.3	120	144.6	1.09	20	
Surr: 1,2-Dichloroethane-d4	56.4		50.00		112.8	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.2		50.00		102.3	86	119		0	20	
Surr: Dibromofluoromethane	55.9		50.00		111.9	81.7	123		0	20	
Surr: Toluene-d8	48.6		50.00		97.2	84.3	114		0	20	

Sample ID: MBLK-R110112-1	SampType: MBLK	Units: µg/L			Prep Date: 1/12/2011			RunNo: 144558			
Client ID: ZZZZZZ	Batch ID: 65418	SW5030			Analysis Date: 1/12/2011			SeqNo: 2838995			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MBLK-R110112-1		SampType: MBLK		Units: µg/L		Prep Date: 1/12/2011		RunNo: 144558			
Client ID: ZZZZZZ		Batch ID: 65418		SW5030		Analysis Date: 1/12/2011		SeqNo: 2838995			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	57.0		50.00		114.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.6		50.00		103.2	86	119				
Surr: Dibromofluoromethane	55.2		50.00		110.3	81.7	123				
Surr: Toluene-d8	49.4		50.00		98.8	84.3	114				

Sample ID: 11010349-001EMS		SampType: MS		Units: µg/L		Prep Date: 1/12/2011		RunNo: 144558			
Client ID: 6785 Treated 1-11-1		Batch ID: 65418		SW5030		Analysis Date: 1/12/2011		SeqNo: 2838997			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.9	2.0	62.00	0	75.6	57.8	125				
Ethylbenzene	62.9	5.0	62.00	0	101.4	72.8	123				
Toluene	57.4	5.0	62.00	0	92.5	75.8	123				
Xylenes, Total	134	5.0	124.0	0	108.3	73	127				
Surr: 1,2-Dichloroethane-d4	56.0		50.00		111.9	74.7	129				
Surr: 4-Bromofluorobenzene	52.3		50.00		104.6	86	119				
Surr: Dibromofluoromethane	55.8		50.00		111.6	81.7	123				
Surr: Toluene-d8	47.7		50.00		95.4	84.3	114				

Sample ID: 11010349-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 1/12/2011		RunNo: 144558			
Client ID: 6785 Treated 1-11-1		Batch ID: 65418		SW5030		Analysis Date: 1/12/2011		SeqNo: 2838998			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.1	2.0	62.00	0	74.4	57.8	125	46.87	1.63	20	
Ethylbenzene	63.5	5.0	62.00	0	102.4	72.8	123	62.89	0.918	20	
Toluene	58.3	5.0	62.00	0	94.1	75.8	123	57.36	1.68	20	
Xylenes, Total	137	5.0	124.0	0	110.8	73	127	134.4	2.22	20	
Surr: 1,2-Dichloroethane-d4	57.6		50.00		115.2	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.4		50.00		102.8	86	119		0	0	
Surr: Dibromofluoromethane	54.5		50.00		108.9	81.7	123		0	0	
Surr: Toluene-d8	48.4		50.00		96.8	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-65386		SampType: MBLK		Units: mg/L		Prep Date: 1/12/2011			RunNo: 144554		
Client ID: ZZZZZZ		Batch ID: 65386		SW3510C		Analysis Date: 1/13/2011			SeqNo: 2838848		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00343		0.005000		68.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00470		0.01000		47.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00394		0.005000		78.8	39.9	106				
Surr: Phenol-d5	0.00294		0.01000		29.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00415		0.005000		82.9	53	116				

Sample ID: LCS-65386		SampType: LCS			Units: mg/L		Prep Date: 1/12/2011			RunNo: 144554		
Client ID: ZZZZZZ		Batch ID: 65386			SW3510C		Analysis Date: 1/13/2011			SeqNo: 2838849		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00412	0.00010	0.005000	0	82.4	50.1	103				
Anthracene	0.00430	0.00010	0.005000	0	86.1	57.4	110				
Fluoranthene	0.00437	0.00010	0.005000	0	87.3	60.1	117				
Fluorene	0.00407	0.00010	0.005000	0	81.4	54.1	110				
Naphthalene	0.00383	0.00010	0.005000	0	76.5	36.3	97.1				
Phenanthrene	0.00425	0.00010	0.005000	0	85.0	55.9	107				
Pyrene	0.00438	0.00010	0.005000	0	87.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00331		0.005000		66.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00455		0.01000		45.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106				
Surr: Phenol-d5	0.00304		0.01000		30.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00373		0.005000		74.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCSD-65386	SampType: LCSD	Units: mg/L				Prep Date: 1/12/2011			RunNo: 144554		
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C				Analysis Date: 1/13/2011			SeqNo: 2838850		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00412	0.00010	0.005000	0	82.3	50.1	103	0.004118	0.0243	40	
Anthracene	0.00423	0.00010	0.005000	0	84.5	57.4	110	0.004304	1.81	40	
Fluoranthene	0.00452	0.00010	0.005000	0	90.4	60.1	117	0.004366	3.51	40	
Fluorene	0.00404	0.00010	0.005000	0	80.8	54.1	110	0.004071	0.740	40	
Naphthalene	0.00379	0.00010	0.005000	0	75.9	36.3	97.1	0.003826	0.840	40	
Phenanthrene	0.00421	0.00010	0.005000	0	84.3	55.9	107	0.004248	0.804	40	
Pyrene	0.00440	0.00010	0.005000	0	87.9	61.4	116	0.004378	0.388	40	
Surr: 2-Fluorobiphenyl	0.00322		0.005000		64.4	41.9	97.9		0	40	
Surr: 2-Fluorophenol	0.00456		0.01000		45.6	16.1	79.2		0	40	
Surr: Nitrobenzene-d5	0.00346		0.005000		69.2	39.9	106		0	40	
Surr: Phenol-d5	0.00285		0.01000		28.5	9.94	53.7		0	40	
Surr: p-Terphenyl-d14	0.00367		0.005000		73.3	53	116		0	40	

Sample ID: MB-65386	SampType: MBLK	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838700			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-65386	SampType: MBLK	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838700			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00317		0.005000		63.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00437		0.01000		43.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00328		0.005000		65.6	39.9	106				
Surr: Phenol-d5	0.00279		0.01000		27.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00388		0.005000		77.7	53	116				

Sample ID: LCS-65386	SampType: LCS	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838701			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00371	0.00010	0.005000	0	74.2	50.1	103				
Acenaphthylene	0.00382	0.00010	0.005000	0	76.5	53.3	122				
Anthracene	0.00391	0.00010	0.005000	0	78.2	57.4	110				
Benzo(a)anthracene	0.00378	0.00010	0.005000	0	75.5	56	102				
Benzo(a)pyrene	0.00411	0.00010	0.005000	0	82.1	55.4	125				
Benzo(b)fluoranthene	0.00404	0.00010	0.005000	0	80.8	59.3	127				
Benzo(g,h,i)perylene	0.00421	0.00010	0.005000	0	84.3	58.4	125				
Benzo(k)fluoranthene	0.00382	0.00010	0.005000	0	76.3	61.5	125				
Chrysene	0.00400	0.00010	0.005000	0	80.1	58.7	118				
Dibenzo(a,h)anthracene	0.00413	0.00010	0.005000	0	82.6	59.3	126				
Fluoranthene	0.00408	0.00010	0.005000	0	81.6	60.1	117				
Fluorene	0.00392	0.00010	0.005000	0	78.5	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00420	0.00010	0.005000	0	83.9	58.1	123				
Naphthalene	0.00354	0.00010	0.005000	0	70.8	36.3	97.1				
Phenanthrene	0.00384	0.00010	0.005000	0	76.8	55.9	107				
Pyrene	0.00393	0.00010	0.005000	0	78.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.00323		0.005000		64.5	41.9	97.9				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: LCS-65386		SampType: LCS		Units: mg/L		Prep Date: 1/12/2011			RunNo: 144544		
Client ID: ZZZZZZ		Batch ID: 65386		SW3510C		Analysis Date: 1/12/2011			SeqNo: 2838701		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2-Fluorophenol	0.00464		0.01000		46.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00334		0.005000		66.9	39.9	106				
Surr: Phenol-d5	0.00303		0.01000		30.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00373		0.005000		74.7	53	116				

Sample ID: LCSD-65386		SampType: LCSD			Units: mg/L		Prep Date: 1/12/2011			RunNo: 144544		
Client ID: ZZZZZZ		Batch ID: 65386			SW3510C		Analysis Date: 1/12/2011			SeqNo: 2838702		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00388	0.00010	0.005000	0	77.5	50.1	103	0.003712	4.30	50	
Acenaphthylene	0.00397	0.00010	0.005000	0	79.4	53.3	122	0.003823	3.82	50	
Anthracene	0.00407	0.00010	0.005000	0	81.3	57.4	110	0.003909	3.94	50	
Benzo(a)anthracene	0.00391	0.00010	0.005000	0	78.1	56	102	0.003776	3.41	50	
Benzo(a)pyrene	0.00423	0.00010	0.005000	0	84.7	55.4	125	0.004106	3.05	50	
Benzo(b)fluoranthene	0.00419	0.00010	0.005000	0	83.9	59.3	127	0.004042	3.67	50	
Benzo(g,h,i)perylene	0.00440	0.00010	0.005000	0	87.9	58.4	125	0.004214	4.23	50	
Benzo(k)fluoranthene	0.00417	0.00010	0.005000	0	83.5	61.5	125	0.003816	8.94	50	
Chrysene	0.00416	0.00010	0.005000	0	83.2	58.7	118	0.004005	3.82	50	
Dibenzo(a,h)anthracene	0.00429	0.00010	0.005000	0	85.8	59.3	126	0.004129	3.80	50	
Fluoranthene	0.00425	0.00010	0.005000	0	85.1	60.1	117	0.004078	4.22	50	
Fluorene	0.00408	0.00010	0.005000	0	81.6	54.1	110	0.003923	3.95	50	
Indeno(1,2,3-cd)pyrene	0.00434	0.00010	0.005000	0	86.8	58.1	123	0.004197	3.40	50	
Naphthalene	0.00371	0.00010	0.005000	0	74.2	36.3	97.1	0.003541	4.66	50	
Phenanthrene	0.00400	0.00010	0.005000	0	80.0	55.9	107	0.003841	4.11	50	
Pyrene	0.00409	0.00010	0.005000	0	81.9	61.4	116	0.003925	4.19	50	
Surr: 2-Fluorobiphenyl	0.00317		0.005000		63.4	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00458		0.01000		45.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00335		0.005000		67.1	39.9	106		0	50	
Surr: Phenol-d5	0.00299		0.01000		29.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00379		0.005000		75.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9014

Lab Order: 11010349

Report Date: 18-Jan-11

Sample ID: MB-65436	SampType: MBLK	Units: mg/L			Prep Date: 1/13/2011			RunNo: 144576			
Client ID: ZZZZZZ	Batch ID: 65436	SOP 2090			Analysis Date: 1/13/2011			SeqNo: 2839660			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									

Sample ID: LCS-65436		SampType: LCS		Units: mg/L		Prep Date: 1/13/2011			RunNo: 144576		
Client ID: ZZZZZZ		Batch ID: 65436		SOP 2090		Analysis Date: 1/13/2011			SeqNo: 2839661		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.189	0.007	0.2000	0	94.5	85	115				

Sample ID: LCSD-65436		SampType: LCSD			Units: mg/L		Prep Date: 1/13/2011		RunNo: 144576		
Client ID: ZZZZZZ		Batch ID: 65436			SOP 2090		Analysis Date: 1/13/2011		SeqNo: 2839662		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.204	0.007	0.2000	0	102.2	85	115	0.1890	7.88	15	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010349

Report Date: 18-Jan-11

Carrier: FedEx

Received By: TWM

Completed by:

On:

12-Jan-11

Dawn Brantley

Reviewed by:

On:

12-Jan-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 0.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

January 18, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11010397

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/13/2011 9:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010397

Report Date: 18-Jan-11

Lab Sample ID	Client Sample ID	Fractions	Collection Date
11010397-001	4091-treated-1/12/11	5	1/12/2011 11:20:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 11010397

Report Date: 18-Jan-11

Cooler Receipt Temp: 2.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010397

Lab ID: 11010397-001

Report Date: 18-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091-treated-1/12/11

Collection Date: 1/12/2011 11:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.03		1	1/14/2011 1:30:00 PM	RS
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		11	mg/L	1	1/14/2011 10:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		81	mg/L	1	1/13/2011 1:50:00 PM	SR
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	1/14/2011 11:17:45 AM	JMW
Barium	NELAP	0.0050		0.732	mg/L	1	1/14/2011 11:17:45 AM	JMW
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	1/14/2011 11:17:45 AM	JMW
Chromium	NELAP	0.0100		0.0229	mg/L	1	1/14/2011 11:17:45 AM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	1/14/2011 11:17:45 AM	JMW
Silver	NELAP	0.0100	J	0.0059	mg/L	1	1/14/2011 11:17:45 AM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	1/14/2011 9:24:14 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Acenaphthylene	NELAP	0.00010		0.00017	mg/L	1	1/13/2011 5:09:00 PM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Naphthalene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	1/13/2011 5:09:00 PM	MAV
Total PNAs except Naphthalene		0.00013		0.00017	mg/L	1	1/13/2011 5:09:00 PM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		78.7	%REC	1	1/13/2011 5:09:00 PM	MAV
Surr: 2-Fluorophenol		16.8-65.9		33.9	%REC	1	1/13/2011 5:09:00 PM	MAV
Surr: Nitrobenzene-d5		37.6-105		63.2	%REC	1	1/13/2011 5:09:00 PM	MAV
Surr: Phenol-d5		11-42.8		19.6	%REC	1	1/13/2011 5:09:00 PM	MAV
Surr: p-Terphenyl-d14		49-113		82.8	%REC	1	1/13/2011 5:09:00 PM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010397

Lab ID: 11010397-001

Report Date: 18-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4091-treated-1/12/11

Collection Date: 1/12/2011 11:20:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	1/13/2011 2:41:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	1/13/2011 2:41:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	1/13/2011 2:41:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	1/13/2011 2:41:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		107.9	%REC	1	1/13/2011 2:41:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		104.9	%REC	1	1/13/2011 2:41:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		107.8	%REC	1	1/13/2011 2:41:00 PM	CCF
Surr: Toluene-d8		84.3-114		98.0	%REC	1	1/13/2011 2:41:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/13/2011	MEK
<u>SW-846 9010B, 9014 (TOTAL)</u>								
Cyanide	NELAP	0.007		0.033	mg/L	1	1/13/2011 4:00:00 PM	NJM
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.007		Interference	mg/L	1	1/13/2011 4:00:00 PM	NJM

Sample Narrative

SW-846 9010B, 9014 (Total)

Insufficient sample amount to analyze MS/MSD.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225Ameren Champaign 62409080120**Lab Order:** 11010397**Report Date:** 18-Jan-11

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
11010397-001A	4091-treated-1/12/11	1/12/2011	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	1/13/2011 10:35:46 AM	1/13/2011 5:09:00 PM
11010397-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		1/14/2011 1:30:00 PM
				Standard Methods 18th Ed. 2540 D		1/14/2011 10:30:00 AM
				Standard Methods 18th Ed. 5210 B	1/13/2011 1:50:00 PM	1/13/2011 1:50:00 PM
11010397-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	1/13/2011 4:10:39 PM	1/14/2011 11:17:45 AM
				SW-846 3020A, Metals by GFAA (Total)	1/13/2011 1:09:04 PM	1/14/2011 9:24:14 AM
				SW-846 7470A (Total)	1/13/2011 12:05:19 PM	1/13/2011
11010397-001D				SW-846 9010B, 9014 (Total)	1/13/2011 2:00:00 PM	1/13/2011 4:00:00 PM
				SW-846 9014A	1/13/2011 2:00:00 PM	1/13/2011 4:00:00 PM
11010397-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		1/13/2011 2:41:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-R144620		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 144620		
Client ID: ZZZZZZ		Batch ID: R144620					Analysis Date: 1/14/2011			SeqNo: 2840151	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R144620		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144620		
Client ID: ZZZZZZ		Batch ID: R144620			Analysis Date: 1/14/2011					SeqNo: 2840152		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: 11010397-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 144620		
Client ID: 4091-treated-1/12/11		Batch ID: R144620			Analysis Date: 1/14/2011			SeqNo: 2840154				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	12	6						11.00	8.70	15	
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Sample ID: LCS-R144620		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144620		
Client ID: ZZZZZZ		Batch ID: R144620			Analysis Date: 1/14/2011			SeqNo: 2840196				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: LCS-R144620		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144620		
Client ID: ZZZZZZ		Batch ID: R144620			Analysis Date: 1/14/2011			SeqNo: 2840200				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	2	100.0	0	94.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M4500-H B

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCS-R144618		SampType: LCS			Units:		Prep Date:		RunNo: 144618		
Client ID: ZZZZZZ		Batch ID: R144618			Analysis Date: 1/14/2011				SeqNo: 2840114		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				

Sample ID: 11010397-001BDUP		SampType: DUP		Units:		Prep Date:			RunNo: 144618		
Client ID: 4091-treated-1/12/11		Batch ID: R144618				Analysis Date: 1/14/2011			SeqNo: 2840138		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	9.06	1.00						9.030	0.332	10	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M5210 B

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCS-65424	SampType: LCS	Units: mg/L			Prep Date: 1/13/2011			RunNo: 144676			
Client ID: ZZZZZZ	Batch ID: 65424	SOP 2030			Analysis Date: 1/13/2011			SeqNo: 2841959			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	173	5	198.0	0	87.4	84.6	115.4				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-65432	SampType: MBLK	Units: mg/L			Prep Date: 1/13/2011			RunNo: 144602			
Client ID: ZZZZZZ	Batch ID: 65432	SOP 3034			Analysis Date: 1/14/2011			SeqNo: 2839858			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-65432	SampType: LCS	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144602		
Client ID: ZZZZZZ	Batch ID: 65432	SOP 3034				Analysis Date: 1/14/2011			SeqNo: 2839860		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	104.2	85	115				
Barium	1.88	0.0050	2.000	0	94.0	85	115				
Cadmium	0.0500	0.0020	0.05000	0	100	85	115				
Chromium	0.208	0.0100	0.2000	0	103.8	85	115				
Selenium	2.00	0.0500	2.000	0	100	85	115				
Silver	0.0492	0.0100	0.05000	0	98.4	85	115				

Sample ID: MB-65432	SampType: MBLK	Units: mg/L			Prep Date: 1/13/2011			RunNo: 144602			
Client ID: ZZZZZZ	Batch ID: 65432	SOP 3034			Analysis Date: 1/14/2011			SeqNo: 2839859			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCS-65432	SampType: LCS	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144602		
Client ID: ZZZZZZ	Batch ID: 65432	SOP 3034				Analysis Date: 1/14/2011			SeqNo: 2839861		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0	104.2	85	115				
Barium	1.88	0.0050	2.000	0	94.0	85	115				
Cadmium	0.0500	0.0020	0.05000	0	100	85	115				
Chromium	0.208	0.0100	0.2000	0	103.8	85	115				
Selenium	2.00	0.0500	2.000	0	100	85	115				
Silver	0.0492	0.0100	0.05000	0	98.4	85	115				

Sample ID: 11010397-001CMS	SampType: MS	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144602		
Client ID: 4091-treated-1/12/11	Batch ID: 65432	SOP 3034				Analysis Date: 1/14/2011			SeqNo: 2839863		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0250	2.000	0	101.6	75	125				
Barium	2.46	0.0050	2.000	0.7318	86.3	75	125				
Cadmium	0.0463	0.0020	0.05000	0.0003000	92.0	75	125				
Chromium	0.222	0.0100	0.2000	0.02290	99.6	75	125				
Selenium	1.96	0.0500	2.000	0	98.0	75	125				
Silver	0.0542	0.0100	0.05000	0.005900	96.6	75	125				

Sample ID: 11010397-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144602		
Client ID: 4091-treated-1/12/11	Batch ID: 65432	SOP 3034				Analysis Date: 1/14/2011			SeqNo: 2839864		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.10	0.0250	2.000	0	105.0	75	125	2.032	3.24	20	
Barium	2.43	0.0050	2.000	0.7318	84.9	75	125	2.458	1.15	20	
Cadmium	0.0466	0.0020	0.05000	0.0003000	92.6	75	125	0.04630	0.646	20	
Chromium	0.225	0.0100	0.2000	0.02290	101.0	75	125	0.2221	1.30	20	
Selenium	1.96	0.0500	2.000	0	98.2	75	125	1.959	0.255	20	
Silver	0.0604	0.0100	0.05000	0.005900	109.0	75	125	0.05420	10.8	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7000 G

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-65421		SampType: MBLK		Units: mg/L		Prep Date: 1/13/2011			RunNo: 144591			
Client ID: ZZZZZZ		Batch ID: 65421		SOP 3044		Analysis Date: 1/14/2011			SeqNo: 2839584			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0008	0.0020	0.002000	0	40.2	-100	100				J

Sample ID: LCS-65421		SampType: LCS		Units: mg/L		Prep Date: 1/13/2011			RunNo: 144591			
Client ID: ZZZZZZ		Batch ID: 65421		SOP 3044		Analysis Date: 1/14/2011			SeqNo: 2839585			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0175	0.0020	0.01500	0	116.7	80	120				

Sample ID: 11010397-001CMS		SampType: MS		Units: mg/L		Prep Date: 1/13/2011			RunNo: 144591			
Client ID: 4091-treated-1/12/11		Batch ID: 65421		SOP 3044		Analysis Date: 1/14/2011			SeqNo: 2839587			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0180	0.0020	0.01500	0.0006621	115.4	70	130				

Sample ID: 11010397-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 1/13/2011			RunNo: 144591			
Client ID: 4091-treated-1/12/11		Batch ID: 65421		SOP 3044		Analysis Date: 1/14/2011			SeqNo: 2839588			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0166	0.0020	0.01500	0.0006621	106.2	70	130	0.01798	8.05	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-65412	SampType: MBLK	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: ZZZZZZ	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839100		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00007	0.00020	0.0002000	0	35.0	-100	100				J

Sample ID: LCS-65412	SampType: LCS	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: ZZZZZZ	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839101		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00490	0.00020	0.005000	0	98.0	85	115				

Sample ID: 11010397-001CMS	SampType: MS	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: 4091-treated-1/12/11	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839232		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00510	0.00020	0.005000	0	102.0	75	125				

Sample ID: 11010397-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: 4091-treated-1/12/11	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839233		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00500	0.00020	0.005000	0	100	75	125	0.005100	1.98	15	

Sample ID: MB-65412	SampType: MBLK	Units: mg/L				Prep Date: 1/13/2011			RunNo: 144567		
Client ID: ZZZZZZ	Batch ID: 65412	SOP 3062				Analysis Date: 1/13/2011			SeqNo: 2839102		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00007	0.00020	0.0002000	0	35.0	-100	100				J

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCS-65412	SampType: LCS	Units: mg/L			Prep Date: 1/13/2011	RunNo: 144567					
Client ID: ZZZZZZ	Batch ID: 65412	SOP 3062			Analysis Date: 1/13/2011	SeqNo: 2839103					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00490	0.00020	0.005000	0	98.0	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCS-R110113-1	SampType: LCS	Units: µg/L			Prep Date: 1/13/2011			RunNo: 144600			
Client ID: ZZZZZZ	Batch ID: 65449	SW5030			Analysis Date: 1/13/2011			SeqNo: 2839777			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.5	2.0	50.00	0	89.0	82.7	117				
Ethylbenzene	44.1	5.0	50.00	0	88.3	83	113				
Toluene	44.0	5.0	50.00	0	88.0	79.6	116				
Xylenes, Total	140	5.0	150.0	0	93.1	80.3	120				
Surr: 1,2-Dichloroethane-d4	54.2		50.00		108.4	74.7	129				
Surr: 4-Bromofluorobenzene	53.2		50.00		106.4	86	119				
Surr: Dibromofluoromethane	55.3		50.00		110.6	81.7	123				
Surr: Toluene-d8	48.4		50.00		96.9	84.3	114				

Sample ID: LCSD-R110113-1	SampType: LCSD	Units: µg/L			Prep Date: 1/13/2011			RunNo: 144600			
Client ID: ZZZZZZ	Batch ID: 65449	SW5030			Analysis Date: 1/13/2011			SeqNo: 2839778			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.6	2.0	50.00	0	89.1	82.7	117	44.49	0.135	20	
Ethylbenzene	45.8	5.0	50.00	0	91.5	83	113	44.14	3.63	20	
Toluene	44.8	5.0	50.00	0	89.6	79.6	116	44.01	1.80	20	
Xylenes, Total	143	5.0	150.0	0	95.3	80.3	120	139.6	2.39	20	
Surr: 1,2-Dichloroethane-d4	53.5		50.00		106.9	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.2		50.00		102.4	86	119		0	20	
Surr: Dibromofluoromethane	55.0		50.00		109.9	81.7	123		0	20	
Surr: Toluene-d8	48.3		50.00		96.6	84.3	114		0	20	

Sample ID: MBLK-R110113-1	SampType: MBLK	Units: µg/L			Prep Date: 1/13/2011			RunNo: 144600			
Client ID: ZZZZZZ	Batch ID: 65449	SW5030			Analysis Date: 1/13/2011			SeqNo: 2839779			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MBLK-R110113-1	SampType: MBLK	Units: µg/L			Prep Date: 1/13/2011			RunNo: 144600			
Client ID: ZZZZZZ	Batch ID: 65449	SW5030			Analysis Date: 1/13/2011			SeqNo: 2839779			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	53.4		50.00		106.8	74.7	129				
Surr: 4-Bromofluorobenzene	51.3		50.00		102.7	86	119				
Surr: Dibromofluoromethane	53.1		50.00		106.3	81.7	123				
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114				

Sample ID: 11010397-001EMS		SampType: MS		Units: µg/L		Prep Date: 1/13/2011		RunNo: 144600			
Client ID: 4091-treated-1/12/11		Batch ID: 65449		SW5030		Analysis Date: 1/13/2011		SeqNo: 2839781			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	47.2	2.0	62.00	0	76.1	57.8	125				
Ethylbenzene	63.5	5.0	62.00	0	102.4	72.8	123				
Toluene	57.2	5.0	62.00	0	92.2	75.8	123				
Xylenes, Total	134	5.0	124.0	0	108.0	73	127				
Surr: 1,2-Dichloroethane-d4	55.0		50.00		109.9	74.7	129				
Surr: 4-Bromofluorobenzene	53.0		50.00		106.1	86	119				
Surr: Dibromofluoromethane	54.4		50.00		108.7	81.7	123				
Surr: Toluene-d8	48.4		50.00		96.8	84.3	114				

Sample ID: 11010397-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 1/13/2011			RunNo: 144600		
Client ID: 4091-treated-1/12/11		Batch ID: 65449		SW5030		Analysis Date: 1/13/2011			SeqNo: 2839782		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	46.6	2.0	62.00	0	75.1	57.8	125	47.20	1.30	20	
Ethylbenzene	64.0	5.0	62.00	0	103.2	72.8	123	63.47	0.800	20	
Toluene	57.7	5.0	62.00	0	93.0	75.8	123	57.19	0.818	20	
Xylenes, Total	135	5.0	124.0	0	108.6	73	127	134.0	0.499	20	
Surr: 1,2-Dichloroethane-d4	55.1		50.00		110.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.5		50.00		105.1	86	119		0	0	
Surr: Dibromofluoromethane	54.1		50.00		108.2	81.7	123		0	0	
Surr: Toluene-d8	48.8		50.00		97.6	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-65386		SampType: MBLK		Units: mg/L		Prep Date: 1/12/2011			RunNo: 144554		
Client ID: ZZZZZZ		Batch ID: 65386		SW3510C		Analysis Date: 1/13/2011			SeqNo: 2838848		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00343		0.005000		68.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00470		0.01000		47.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00394		0.005000		78.8	39.9	106				
Surr: Phenol-d5	0.00294		0.01000		29.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00415		0.005000		82.9	53	116				

Sample ID: LCS-65386		SampType: LCS			Units: mg/L		Prep Date: 1/12/2011			RunNo: 144554		
Client ID: ZZZZZZ		Batch ID: 65386			SW3510C		Analysis Date: 1/13/2011			SeqNo: 2838849		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Acenaphthene	0.00412	0.00010	0.005000	0	82.4	50.1	103				
Anthracene	0.00430	0.00010	0.005000	0	86.1	57.4	110				
Fluoranthene	0.00437	0.00010	0.005000	0	87.3	60.1	117				
Fluorene	0.00407	0.00010	0.005000	0	81.4	54.1	110				
Naphthalene	0.00383	0.00010	0.005000	0	76.5	36.3	97.1				
Phenanthrene	0.00425	0.00010	0.005000	0	85.0	55.9	107				
Pyrene	0.00438	0.00010	0.005000	0	87.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00331		0.005000		66.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00455		0.01000		45.5	16.1	79.2				
Surr: Nitrobenzene-d5	0.00359		0.005000		71.8	39.9	106				
Surr: Phenol-d5	0.00304		0.01000		30.4	9.94	53.7				
Surr: p-Terphenyl-d14	0.00373		0.005000		74.6	53	116				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCSD-65386	SampType: LCSD	Units: mg/L				Prep Date: 1/12/2011			RunNo: 144554		
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C				Analysis Date: 1/13/2011			SeqNo: 2838850		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00412	0.00010	0.005000	0	82.3	50.1	103	0.004118	0.0243	40	
Anthracene	0.00423	0.00010	0.005000	0	84.5	57.4	110	0.004304	1.81	40	
Fluoranthene	0.00452	0.00010	0.005000	0	90.4	60.1	117	0.004366	3.51	40	
Fluorene	0.00404	0.00010	0.005000	0	80.8	54.1	110	0.004071	0.740	40	
Naphthalene	0.00379	0.00010	0.005000	0	75.9	36.3	97.1	0.003826	0.840	40	
Phenanthrene	0.00421	0.00010	0.005000	0	84.3	55.9	107	0.004248	0.804	40	
Pyrene	0.00440	0.00010	0.005000	0	87.9	61.4	116	0.004378	0.388	40	
Surr: 2-Fluorobiphenyl	0.00322		0.005000		64.4	41.9	97.9		0	40	
Surr: 2-Fluorophenol	0.00456		0.01000		45.6	16.1	79.2		0	40	
Surr: Nitrobenzene-d5	0.00346		0.005000		69.2	39.9	106		0	40	
Surr: Phenol-d5	0.00285		0.01000		28.5	9.94	53.7		0	40	
Surr: p-Terphenyl-d14	0.00367		0.005000		73.3	53	116		0	40	

Sample ID: MB-65386	SampType: MBLK	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838700			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-65386	SampType: MBLK	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838700			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00317		0.005000		63.3	41.9	97.9				
Surr: 2-Fluorophenol	0.00437		0.01000		43.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00328		0.005000		65.6	39.9	106				
Surr: Phenol-d5	0.00279		0.01000		27.9	9.94	53.7				
Surr: p-Terphenyl-d14	0.00388		0.005000		77.7	53	116				

Sample ID: LCS-65386	SampType: LCS	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838701			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00371	0.00010	0.005000	0	74.2	50.1	103				
Acenaphthylene	0.00382	0.00010	0.005000	0	76.5	53.3	122				
Anthracene	0.00391	0.00010	0.005000	0	78.2	57.4	110				
Benzo(a)anthracene	0.00378	0.00010	0.005000	0	75.5	56	102				
Benzo(a)pyrene	0.00411	0.00010	0.005000	0	82.1	55.4	125				
Benzo(b)fluoranthene	0.00404	0.00010	0.005000	0	80.8	59.3	127				
Benzo(g,h,i)perylene	0.00421	0.00010	0.005000	0	84.3	58.4	125				
Benzo(k)fluoranthene	0.00382	0.00010	0.005000	0	76.3	61.5	125				
Chrysene	0.00400	0.00010	0.005000	0	80.1	58.7	118				
Dibenzo(a,h)anthracene	0.00413	0.00010	0.005000	0	82.6	59.3	126				
Fluoranthene	0.00408	0.00010	0.005000	0	81.6	60.1	117				
Fluorene	0.00392	0.00010	0.005000	0	78.5	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00420	0.00010	0.005000	0	83.9	58.1	123				
Naphthalene	0.00354	0.00010	0.005000	0	70.8	36.3	97.1				
Phenanthrene	0.00384	0.00010	0.005000	0	76.8	55.9	107				
Pyrene	0.00393	0.00010	0.005000	0	78.5	61.4	116				
Surr: 2-Fluorobiphenyl	0.00323		0.005000		64.5	41.9	97.9				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: LCS-65386	SampType: LCS	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838701			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.00464		0.01000		46.4	16.1	79.2				
Surr: Nitrobenzene-d5	0.00334		0.005000		66.9	39.9	106				
Surr: Phenol-d5	0.00303		0.01000		30.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00373		0.005000		74.7	53	116				

Sample ID: LCSD-65386	SampType: LCSD	Units: mg/L			Prep Date: 1/12/2011			RunNo: 144544			
Client ID: ZZZZZZ	Batch ID: 65386	SW3510C			Analysis Date: 1/12/2011			SeqNo: 2838702			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00388	0.00010	0.005000	0	77.5	50.1	103	0.003712	4.30	50	
Acenaphthylene	0.00397	0.00010	0.005000	0	79.4	53.3	122	0.003823	3.82	50	
Anthracene	0.00407	0.00010	0.005000	0	81.3	57.4	110	0.003909	3.94	50	
Benzo(a)anthracene	0.00391	0.00010	0.005000	0	78.1	56	102	0.003776	3.41	50	
Benzo(a)pyrene	0.00423	0.00010	0.005000	0	84.7	55.4	125	0.004106	3.05	50	
Benzo(b)fluoranthene	0.00419	0.00010	0.005000	0	83.9	59.3	127	0.004042	3.67	50	
Benzo(g,h,i)perylene	0.00440	0.00010	0.005000	0	87.9	58.4	125	0.004214	4.23	50	
Benzo(k)fluoranthene	0.00417	0.00010	0.005000	0	83.5	61.5	125	0.003816	8.94	50	
Chrysene	0.00416	0.00010	0.005000	0	83.2	58.7	118	0.004005	3.82	50	
Dibenzo(a,h)anthracene	0.00429	0.00010	0.005000	0	85.8	59.3	126	0.004129	3.80	50	
Fluoranthene	0.00425	0.00010	0.005000	0	85.1	60.1	117	0.004078	4.22	50	
Fluorene	0.00408	0.00010	0.005000	0	81.6	54.1	110	0.003923	3.95	50	
Indeno(1,2,3-cd)pyrene	0.00434	0.00010	0.005000	0	86.8	58.1	123	0.004197	3.40	50	
Naphthalene	0.00371	0.00010	0.005000	0	74.2	36.3	97.1	0.003541	4.66	50	
Phenanthrene	0.00400	0.00010	0.005000	0	80.0	55.9	107	0.003841	4.11	50	
Pyrene	0.00409	0.00010	0.005000	0	81.9	61.4	116	0.003925	4.19	50	
Surr: 2-Fluorobiphenyl	0.00317		0.005000		63.4	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00458		0.01000		45.8	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00335		0.005000		67.1	39.9	106		0	50	
Surr: Phenol-d5	0.00299		0.01000		29.9	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00379		0.005000		75.8	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9014

Lab Order: 11010397

Report Date: 18-Jan-11

Sample ID: MB-65436		SampType: MBLK		Units: mg/L		Prep Date: 1/13/2011			RunNo: 144576		
Client ID: ZZZZZZ		Batch ID: 65436		SOP 2090		Analysis Date: 1/13/2011			SeqNo: 2839660		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	< 0.007	0.007									
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Sample ID: LCS-65436		SampType: LCS			Units: mg/L		Prep Date: 1/13/2011			RunNo: 144576		
Client ID: ZZZZZZ		Batch ID: 65436			SOP 2090		Analysis Date: 1/13/2011			SeqNo: 2839661		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.189	0.007	0.2000	0	94.5	85	115				
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Sample ID: LCSD-65436	SampType: LCSD			Units: mg/L		Prep Date: 1/13/2011			RunNo: 144576		
Client ID: ZZZZZZ	Batch ID: 65436			SOP 2090		Analysis Date: 1/13/2011			SeqNo: 2839662		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.204	0.007	0.2000	0	102.2	85	115	0.1890	7.88	15	
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010397

Report Date: 18-Jan-11

Carrier: Kelly Klostermann

Received By: DB

Completed by:

On:

13-Jan-11


Timothy W. Mathis

Reviewed by:

On:

13-Jan-11


Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 2.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

11010397

COC Serial No. B 09965

[illegible]

Samples Iced:		☒ Yes	☐ No
Preservatives (ONLY for Water Samples)			
☐ Volatile Organics		Hydrochloric acid	(HCl)
☐ VOC Soil (5035)		Sodium Bisulfate/Methanol	
☐ TPH		Hydrochloric acid and/or Sulfuric acid	
☐ Metals		Nitric acid	(HNO ₃)
☐ Cyanide		Sodium hydroxide	(NaOH)
☐ Other (Specify)			

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
	<i>Ed Ball</i>	1-12-11	3:10	<i>Kelly Hostetger</i>	1/12/11
	<i>Kelly Hostetger</i>	1/13/11	0900	<i>[Signature]</i>	1/13/11

Distribution:	WHITE to Lab	CANARY to PM	PINK to QA/QC	GREEN to Sampler
PE-179 (6/03)				

January 19, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11010474

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/14/2011 2:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Heather A. White".

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010474

Report Date: 19-Jan-11

Lab Sample ID	Client Sample ID	Fractions	Collection Date
11010474-001	4860 Treated	5	1/14/2011 8:10:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 11010474

Report Date: 19-Jan-11

Cooler Receipt Temp: 2.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010474

Lab ID: 11010474-001

Report Date: 19-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4860 Treated

Collection Date: 1/14/2011 8:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.23		1	1/17/2011 3:37:00 PM	PD
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		15	mg/L	1	1/17/2011 10:20:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		78	mg/L	1	1/14/2011 4:50:00 PM	SR
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	1/17/2011 1:01:56 PM	JMW
Barium	NELAP	0.0050		0.704	mg/L	1	1/17/2011 1:01:56 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	1/17/2011 1:01:56 PM	JMW
Chromium	NELAP	0.0100		0.0218	mg/L	1	1/17/2011 1:01:56 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	1/17/2011 1:01:56 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/17/2011 1:01:56 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020	J	0.0008	mg/L	1	1/17/2011 1:06:52 PM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Acenaphthylene	NELAP	0.00010		0.00030	mg/L	1	1/17/2011 10:50:00 AM	MAV
Anthracene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Chrysene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Fluoranthene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Fluorene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Naphthalene	NELAP	0.00010		0.00024	mg/L	1	1/17/2011 10:50:00 AM	MAV
Phenanthrene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Pyrene	NELAP	0.00010		ND	mg/L	1	1/17/2011 10:50:00 AM	MAV
Total PNAs except Naphthalene		0.00013		0.00030	mg/L	1	1/17/2011 10:50:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		70.2	%REC	1	1/17/2011 10:50:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		32.9	%REC	1	1/17/2011 10:50:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105		83.2	%REC	1	1/17/2011 10:50:00 AM	MAV
Surr: Phenol-d5		11-42.8		20.3	%REC	1	1/17/2011 10:50:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		77.2	%REC	1	1/17/2011 10:50:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010474

Lab ID: 11010474-001

Report Date: 19-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 4860 Treated

Collection Date: 1/14/2011 8:10:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	1.1	µg/L	1	1/14/2011 5:07:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	1/14/2011 5:07:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	1/14/2011 5:07:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	1/14/2011 5:07:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		110.9	%REC	1	1/14/2011 5:07:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		106.2	%REC	1	1/14/2011 5:07:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		107.4	%REC	1	1/14/2011 5:07:00 PM	CCF
Surr: Toluene-d8		84.3-114		96.4	%REC	1	1/14/2011 5:07:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/17/2011	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.014		< 0.014	mg/L	2	1/18/2011 3:09:00 PM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.014		0.043	mg/L	2	1/19/2011 8:33:39 AM	KNS

[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

DATES REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
11010474-001A	4860 Treated	1/14/2011	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	1/15/2011 12:16:04 AM	1/17/2011 10:50:00 AM
11010474-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		1/17/2011 3:37:00 PM
				Standard Methods 18th Ed. 2540 D		1/17/2011 10:20:00 AM
				Standard Methods 18th Ed. 5210 B	1/14/2011 4:50:00 PM	1/14/2011 4:50:00 PM
11010474-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	1/17/2011 8:34:33 AM	1/17/2011 1:01:56 PM
				SW-846 3020A, Metals by GFAA (Total)	1/17/2011 8:24:08 AM	1/17/2011 1:06:52 PM
				SW-846 7470A (Total)	1/17/2011 9:09:57 AM	1/17/2011
11010474-001D				SW-846 9012A		1/18/2011 3:09:00 PM
				SW-846 9012A (Total)		1/19/2011 8:33:39 AM
11010474-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		1/14/2011 5:07:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-R144658		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 144658		
Client ID: ZZZZZZ		Batch ID: R144658					Analysis Date: 1/17/2011			SeqNo: 2841043	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R144658		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144658		
Client ID: ZZZZZZ		Batch ID: R144658			Analysis Date: 1/17/2011			SeqNo: 2841044				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	94	6	100.0	0	94.0	85	115				
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Sample ID: LCS-R144658		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144658		
Client ID: ZZZZZZ		Batch ID: R144658			Analysis Date: 1/17/2011			SeqNo: 2841065				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	95	6	100.0	0	95.0	85	115				
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Sample ID: 11010474-001BDUP		SampType: DUP		Units: mg/L		Prep Date:			RunNo: 144658		
Client ID: 4860 TreatedDUP		Batch ID: R144658		Analysis Date: 1/17/2011			SeqNo: 2841074				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	5	6						15.00	0	15	J
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Sample ID: LCS-R144658		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144658		
Client ID: ZZZZZZ		Batch ID: R144658			Analysis Date: 1/17/2011			SeqNo: 2841078				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-R144658		SampType: MBLK		Units: mg/L		Prep Date:		RunNo: 144658			
Client ID: ZZZZZZ		Batch ID: R144658				Analysis Date: 1/17/2011		SeqNo: 2841079			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M4500-H B

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCS-R144672	SampType: LCS	Units:			Prep Date:			RunNo: 144672			
Client ID: ZZZZZZ	Batch ID: R144672				Analysis Date: 1/17/2011			SeqNo: 2841346			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	7.00	1.00	7.000	0	100	99.1	100.9				
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Sample ID: 11010474-001BDUP	SampType: DUP	Units:			Prep Date:			RunNo: 144672			
Client ID: 4860 TreatedDUP	Batch ID: R144672				Analysis Date: 1/17/2011			SeqNo: 2841368			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lab pH	9.23	1.00						9.230	0	10	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M5210 B

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCS-65456	SampType: LCS	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144722			
Client ID: ZZZZZZ	Batch ID: 65456	SOP 2030			Analysis Date: 1/14/2011			SeqNo: 2842904			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	180	5	198.0	0	90.9	84.6	115.4				
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Sample ID: 11010474-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144722			
Client ID: 4860 TreatedDUP	Batch ID: 65456	SOP 2030			Analysis Date: 1/14/2011			SeqNo: 2842922			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	78	5						78.00	0	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-65465	SampType: MBLK	Units: mg/L			Prep Date: 1/17/2011			RunNo: 144643			
Client ID: ZZZZZZ	Batch ID: 65465	SOP 3034			Analysis Date: 1/17/2011			SeqNo: 2841036			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				

Sample ID: LCS-65465	SampType: LCS	Units: mg/L				Prep Date: 1/17/2011			RunNo: 144643		
Client ID: ZZZZZZ	Batch ID: 65465	SOP 3034				Analysis Date: 1/17/2011			SeqNo: 2841037		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.02	0.0250	2.000	0	101.2	85	115				
Barium	1.94	0.0050	2.000	0	97.0	85	115				
Cadmium	0.0517	0.0020	0.05000	0	103.4	85	115				
Chromium	0.197	0.0100	0.2000	0	98.7	85	115				
Selenium	2.00	0.0500	2.000	0	100.1	85	115				
Silver	0.0480	0.0100	0.05000	0	96.0	85	115				

Sample ID: 11010474-001CMS	SampType: MS	Units: mg/L				Prep Date: 1/17/2011			RunNo: 144643		
Client ID: 4860 TreatedMS	Batch ID: 65465	SOP 3034				Analysis Date: 1/17/2011			SeqNo: 2841039		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.98	0.0250	2.000	0	99.0	75	125				
Barium	2.42	0.0050	2.000	0.7039	85.8	75	125				
Cadmium	0.0460	0.0020	0.05000	0	92.0	75	125				
Chromium	0.207	0.0100	0.2000	0.02180	92.8	75	125				
Selenium	1.92	0.0500	2.000	0	96.0	75	125				
Silver	0.0444	0.0100	0.05000	0	88.8	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: 11010474-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 1/17/2011		RunNo: 144643			
Client ID: 4860 TreatedMSD		Batch ID: 65465		SOP 3034		Analysis Date: 1/17/2011		SeqNo: 2841040			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.99	0.0250	2.000	0	99.5	75	125	1.980	0.504	20	
Barium	2.41	0.0050	2.000	0.7039	85.5	75	125	2.419	0.248	20	
Cadmium	0.0458	0.0020	0.05000	0	91.6	75	125	0.04600	0.436	20	
Chromium	0.210	0.0100	0.2000	0.02180	94.1	75	125	0.2073	1.25	20	
Selenium	1.90	0.0500	2.000	0	94.9	75	125	1.920	1.15	20	
Silver	0.0398	0.0100	0.05000	0	79.6	75	125	0.04440	10.9	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7000 G

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCS-65464		SampType: LCS		Units: mg/L		Prep Date: 1/17/2011			RunNo: 144667		
Client ID: ZZZZZZ		Batch ID: 65464		SOP 3044		Analysis Date: 1/17/2011			SeqNo: 2841254		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0125	0.0020	0.01500	0	83.5	80	120			
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Sample ID: 11010474-001CMS		SampType: MS		Units: mg/L		Prep Date: 1/17/2011		RunNo: 144667			
Client ID: 4860 TreatedMS		Batch ID: 65464		SOP 3044		Analysis Date: 1/17/2011		SeqNo: 2841256			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0131	0.0020	0.01500	0.0007625	82.5	70	130			
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Sample ID: 11010474-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 1/17/2011			RunNo: 144667		
Client ID: 4860 TreatedMSD		Batch ID: 65464		SOP 3044		Analysis Date: 1/17/2011			SeqNo: 2841257		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0136	0.0020	0.01500	0.0007625	85.3	70	130	0.01314	3.16	20
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Sample ID: MB-65464		SampType: MBLK		Units: mg/L		Prep Date: 1/17/2011			RunNo: 144667		
Client ID: ZZZZZZ		Batch ID: 65464		SOP 3044		Analysis Date: 1/17/2011			SeqNo: 2841258		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-65474	SampType: MBLK			Units: mg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: ZZZZZZ	Batch ID: 65474			SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841173		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-65474	SampType: LCS			Units: mg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: ZZZZZZ	Batch ID: 65474			SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841174		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00502	0.00020	0.005000	0	100.4	85	115				

Sample ID: MB-65474	SampType: MBLK			Units: mg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: ZZZZZZ	Batch ID: 65474			SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841175		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				

Sample ID: LCS-65474	SampType: LCS			Units: mg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: ZZZZZZ	Batch ID: 65474			SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841176		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00502	0.00020	0.005000	0	100.4	85	115				

Sample ID: 11010474-001CMS	SampType: MS			Units: mg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: 4860 TreatedMS	Batch ID: 65474			SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841183		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00486	0.00020	0.005000	0	97.2	75	125				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: 11010474-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: 4860 TreatedMSD		Batch ID: 65474		SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841184		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00486	0.00020	0.005000	0	97.2	75	125	0.004860	0	15	

Sample ID: MB-65474	SampType: MBLK	Units: µg/L	Prep Date: 1/17/2011	RunNo: 144662							
Client ID: ZZZZZZ	Batch ID: 65474	SOP 3062	Analysis Date: 1/17/2011	SeqNo: 2841177							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.20	0.20	0.2000	0	0	-100	100				

Sample ID: LCS-65474		SampType: LCS		Units: µg/L		Prep Date: 1/17/2011			RunNo: 144662		
Client ID: ZZZZZZ		Batch ID: 65474		SOP 3062		Analysis Date: 1/17/2011			SeqNo: 2841178		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.02	0.20	5.000	0	100.4	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCS-R110114-1	SampType: LCS	Units: µg/L				Prep Date: 1/14/2011			RunNo: 144651		
Client ID: ZZZZZZ	Batch ID: 65475	SW5030				Analysis Date: 1/14/2011			SeqNo: 2840918		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.7	2.0	50.00	0	87.5	82.7	117				
Ethylbenzene	44.2	5.0	50.00	0	88.4	83	113				
Toluene	43.5	5.0	50.00	0	87.0	79.6	116				
Xylenes, Total	140	5.0	150.0	0	93.4	80.3	120				
Surr: 1,2-Dichloroethane-d4	54.7		50.00		109.4	74.7	129				
Surr: 4-Bromofluorobenzene	53.1		50.00		106.1	86	119				
Surr: Dibromofluoromethane	55.4		50.00		110.8	81.7	123				
Surr: Toluene-d8	48.3		50.00		96.6	84.3	114				

Sample ID: LCSD-R110114-1	SampType: LCSD	Units: µg/L				Prep Date: 1/14/2011			RunNo: 144651		
Client ID: ZZZZZZ	Batch ID: 65475	SW5030				Analysis Date: 1/14/2011			SeqNo: 2840919		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.0	2.0	50.00	0	88.1	82.7	117	43.74	0.684	20	
Ethylbenzene	44.0	5.0	50.00	0	88.0	83	113	44.20	0.408	20	
Toluene	44.3	5.0	50.00	0	88.6	79.6	116	43.52	1.80	20	
Xylenes, Total	141	5.0	150.0	0	94.0	80.3	120	140.1	0.576	20	
Surr: 1,2-Dichloroethane-d4	55.0		50.00		110.0	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.7		50.00		103.4	86	119		0	20	
Surr: Dibromofluoromethane	54.5		50.00		108.9	81.7	123		0	20	
Surr: Toluene-d8	48.1		50.00		96.3	84.3	114		0	20	

Sample ID: MBLK-R110114-1	SampType: MBLK	Units: µg/L				Prep Date: 1/14/2011			RunNo: 144651		
Client ID: ZZZZZZ	Batch ID: 65475	SW5030				Analysis Date: 1/14/2011			SeqNo: 2840920		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MBLK-R110114-1		SampType: MBLK		Units: µg/L		Prep Date: 1/14/2011			RunNo: 144651		
Client ID: ZZZZZZ		Batch ID: 65475		SW5030		Analysis Date: 1/14/2011			SeqNo: 2840920		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	55.6		50.00		111.2	74.7	129				
Surr: 4-Bromofluorobenzene	53.6		50.00		107.1	86	119				
Surr: Dibromofluoromethane	55.6		50.00		111.3	81.7	123				
Surr: Toluene-d8	48.1		50.00		96.2	84.3	114				

Sample ID: 11010474-001EMS		SampType: MS		Units: µg/L		Prep Date: 1/14/2011		RunNo: 144651			
Client ID: 4860 TreatedMS		Batch ID: 65475		SW5030		Analysis Date: 1/14/2011		SeqNo: 2840927			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	46.2	2.0	62.00	1.110	72.8	57.8	125				
Ethylbenzene	64.4	5.0	62.00	0	103.8	72.8	123				
Toluene	57.7	5.0	62.00	0	93.0	75.8	123				
Xylenes, Total	137	5.0	124.0	0	110.4	73	127				
Surr: 1,2-Dichloroethane-d4	55.8		50.00		111.6	74.7	129				
Surr: 4-Bromofluorobenzene	52.9		50.00		105.7	86	119				
Surr: Dibromofluoromethane	54.3		50.00		108.7	81.7	123				
Surr: Toluene-d8	48.8		50.00		97.5	84.3	114				

Sample ID: 11010474-001EMSD		SampType: MSD		Units: µg/L		Prep Date: 1/14/2011			RunNo: 144651		
Client ID: 4860 TreatedMSD		Batch ID: 65475		SW5030		Analysis Date: 1/14/2011			SeqNo: 2840928		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	46.5	2.0	62.00	1.110	73.2	57.8	125	46.23	0.625	20	
Ethylbenzene	64.1	5.0	62.00	0	103.4	72.8	123	64.35	0.389	20	
Toluene	57.3	5.0	62.00	0	92.5	75.8	123	57.67	0.609	20	
Xylenes, Total	136	5.0	124.0	0	110.0	73	127	136.9	0.351	20	
Surr: 1,2-Dichloroethane-d4	57.0		50.00		113.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	52.0		50.00		104.1	86	119		0	0	
Surr: Dibromofluoromethane	55.9		50.00		111.7	81.7	123		0	0	
Surr: Toluene-d8	47.9		50.00		95.8	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-65452	SampType: MBLK	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144725			
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C			Analysis Date: 1/18/2011			SeqNo: 2842753			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Surr: 2-Fluorobiphenyl	0.00318		0.005000		63.5	41.9	97.9				
Surr: Nitrobenzene-d5	0.00350		0.005000		69.9	39.9	106				
Surr: p-Terphenyl-d14	0.00373		0.005000		74.5	53	116				

Sample ID: LCS-65452	SampType: LCS	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144725			
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C			Analysis Date: 1/18/2011			SeqNo: 2842754			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00351	0.00010	0.005000	0	70.2	50.1	103				
Anthracene	0.00375	0.00010	0.005000	0	75.0	57.4	110				
Fluoranthene	0.00430	0.00010	0.005000	0	86.0	60.1	117				
Fluorene	0.00364	0.00010	0.005000	0	72.9	54.1	110				
Naphthalene	0.00328	0.00010	0.005000	0	65.5	36.3	97.1				
Phenanthrene	0.00376	0.00010	0.005000	0	75.2	55.9	107				
Pyrene	0.00380	0.00010	0.005000	0	76.0	61.4	116				
Surr: 2-Fluorobiphenyl	0.00334		0.005000		66.8	41.9	97.9				
Surr: Nitrobenzene-d5	0.00353		0.005000		70.6	39.9	106				
Surr: p-Terphenyl-d14	0.00369		0.005000		73.8	53	116				

Sample ID: LCSD-65452	SampType: LCSD	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144725			
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C			Analysis Date: 1/18/2011			SeqNo: 2842755			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCSD-65452	SampType: LCSD	Units: mg/L				Prep Date: 1/14/2011			RunNo: 144725		
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C				Analysis Date: 1/18/2011			SeqNo: 2842755		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00368	0.00010	0.005000	0	73.5	50.1	103	0.003512	4.59	40	
Anthracene	0.00368	0.00010	0.005000	0	73.6	57.4	110	0.003748	1.83	40	
Fluoranthene	0.00450	0.00010	0.005000	0	90.1	60.1	117	0.004301	4.59	40	
Fluorene	0.00363	0.00010	0.005000	0	72.5	54.1	110	0.003643	0.440	40	
Naphthalene	0.00325	0.00010	0.005000	0	65.1	36.3	97.1	0.003276	0.705	40	
Phenanthrene	0.00380	0.00010	0.005000	0	76.0	55.9	107	0.003759	1.08	40	
Pyrene	0.00381	0.00010	0.005000	0	76.3	61.4	116	0.003800	0.342	40	
Surr: 2-Fluorobiphenyl	0.00322		0.005000		64.5	41.9	97.9		0	40	
Surr: Nitrobenzene-d5	0.00333		0.005000		66.6	39.9	106		0	40	
Surr: p-Terphenyl-d14	0.00358		0.005000		71.6	53	116		0	40	

Sample ID: MB-65452	SampType: MBLK	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144646			
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C			Analysis Date: 1/17/2011			SeqNo: 2840786			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-65452		SampType: MBLK		Units: mg/L		Prep Date: 1/14/2011			RunNo: 144646		
Client ID: ZZZZZZ		Batch ID: 65452		SW3510C		Analysis Date: 1/17/2011			SeqNo: 2840786		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00375		0.005000		75.1	41.9	97.9				
Surr: 2-Fluorophenol	0.00400		0.01000		40.0	16.1	79.2				
Surr: Nitrobenzene-d5	0.00455		0.005000		91.0	39.9	106				
Surr: Phenol-d5	0.00251		0.01000		25.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00418		0.005000		83.7	53	116				

Sample ID: LCS-65452		SampType: LCS		Units: mg/L		Prep Date: 1/14/2011			RunNo: 144646		
Client ID: ZZZZZZ		Batch ID: 65452		SW3510C		Analysis Date: 1/17/2011			SeqNo: 2840787		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00396	0.00010	0.005000	0	79.2	50.1	103				
Acenaphthylene	0.00402	0.00010	0.005000	0	80.5	53.3	122				
Anthracene	0.00382	0.00010	0.005000	0	76.3	57.4	110				
Benzo(a)anthracene	0.00366	0.00010	0.005000	0	73.2	56	102				
Benzo(a)pyrene	0.00438	0.00010	0.005000	0	87.5	55.4	125				
Benzo(b)fluoranthene	0.00424	0.00010	0.005000	0	84.8	59.3	127				
Benzo(g,h,i)perylene	0.00494	0.00010	0.005000	0	98.8	58.4	125				
Benzo(k)fluoranthene	0.00426	0.00010	0.005000	0	85.2	61.5	125				
Chrysene	0.00396	0.00010	0.005000	0	79.2	58.7	118				
Dibenzo(a,h)anthracene	0.00462	0.00010	0.005000	0	92.3	59.3	126				
Fluoranthene	0.00449	0.00010	0.005000	0	89.8	60.1	117				
Fluorene	0.00424	0.00010	0.005000	0	84.9	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00484	0.00010	0.005000	0	96.8	58.1	123				
Naphthalene	0.00326	0.00010	0.005000	0	65.1	36.3	97.1				
Phenanthrene	0.00379	0.00010	0.005000	0	75.8	55.9	107				
Pyrene	0.00428	0.00010	0.005000	0	85.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00387		0.005000		77.5	41.9	97.9				
Surr: 2-Fluorophenol	0.00420		0.01000		42.0	16.1	79.2				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCS-65452	SampType: LCS	Units: mg/L			Prep Date: 1/14/2011			RunNo: 144646			
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C			Analysis Date: 1/17/2011			SeqNo: 2840787			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.00431		0.005000		86.3	39.9	106				
Surr: Phenol-d5	0.00261		0.01000		26.1	9.94	53.7				
Surr: p-Terphenyl-d14	0.00402		0.005000		80.4	53	116				

Sample ID: LCSD-65452	SampType: LCSD	Units: mg/L				Prep Date: 1/14/2011			RunNo: 144646		
Client ID: ZZZZZZ	Batch ID: 65452	SW3510C				Analysis Date: 1/17/2011			SeqNo: 2840788		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00417	0.00010	0.005000	0	83.4	50.1	103	0.003962	5.09	50	
Acenaphthylene	0.00422	0.00010	0.005000	0	84.4	53.3	122	0.004024	4.71	50	
Anthracene	0.00406	0.00010	0.005000	0	81.3	57.4	110	0.003815	6.32	50	
Benzo(a)anthracene	0.00378	0.00010	0.005000	0	75.5	56	102	0.003660	3.09	50	
Benzo(a)pyrene	0.00445	0.00010	0.005000	0	88.9	55.4	125	0.004375	1.63	50	
Benzo(b)fluoranthene	0.00428	0.00010	0.005000	0	85.6	59.3	127	0.004242	0.845	50	
Benzo(g,h,i)perylene	0.00495	0.00010	0.005000	0	99.0	58.4	125	0.004940	0.202	50	
Benzo(k)fluoranthene	0.00437	0.00010	0.005000	0	87.4	61.5	125	0.004259	2.62	50	
Chrysene	0.00400	0.00010	0.005000	0	80.0	58.7	118	0.003961	0.980	50	
Dibenzo(a,h)anthracene	0.00471	0.00010	0.005000	0	94.2	59.3	126	0.004616	1.99	50	
Fluoranthene	0.00468	0.00010	0.005000	0	93.7	60.1	117	0.004491	4.23	50	
Fluorene	0.00444	0.00010	0.005000	0	88.9	54.1	110	0.004243	4.65	50	
Indeno(1,2,3-cd)pyrene	0.00495	0.00010	0.005000	0	99.1	58.1	123	0.004842	2.27	50	
Naphthalene	0.00338	0.00010	0.005000	0	67.7	36.3	97.1	0.003256	3.88	50	
Phenanthrene	0.00388	0.00010	0.005000	0	77.5	55.9	107	0.003790	2.24	50	
Pyrene	0.00441	0.00010	0.005000	0	88.1	61.4	116	0.004280	2.90	50	
Surr: 2-Fluorobiphenyl	0.00373		0.005000		74.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00393		0.01000		39.3	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00432		0.005000		86.4	39.9	106		0	50	
Surr: Phenol-d5	0.00258		0.01000		25.8	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00411		0.005000		82.2	53	116		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: MB-R144723		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 144723		
Client ID: ZZZZZZ		Batch ID: R144723			Analysis Date: 1/18/2011			SeqNo: 2842683				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Sample ID: LCS-R144723		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144723		
Client ID: ZZZZZZ		Batch ID: R144723			Analysis Date: 1/18/2011			SeqNo: 2842684				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide 0.027 0.007 0.02500 0 109.9 90 110

Sample ID: 11010474-001DMS		SampType: MS		Units: mg/L		Prep Date:		RunNo: 144723			
Client ID: 4860 TreatedMS		Batch ID: R144723				Analysis Date: 1/19/2011		SeqNo: 2842934			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.074 0.016 0.02500 0.04314 122.0 75 125

Sample ID: 11010474-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 144723		
Client ID: 4860 TreatedMSD		Batch ID: R144723					Analysis Date: 1/19/2011			SeqNo: 2842935	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.067 0.014 0.02500 0.04314 95.1 75 125 0.07363 9.55 15

Sample ID: MB-R144723		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 144723		
Client ID: ZZZZZZ		Batch ID: R144723			Analysis Date: 1/18/2011			SeqNo: 2843012				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide < 0.007 0.007

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 11010474

Report Date: 19-Jan-11

Sample ID: LCS-R144723		SampType: LCS			Units: mg/L		Prep Date:		RunNo: 144723		
Client ID: ZZZZZZ		Batch ID: R144723					Analysis Date: 1/18/2011		SeqNo: 2843013		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.027	0.007	0.02500	0	109.9	85	115				

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010474

Report Date: 19-Jan-11

Carrier: Ed Ballog

Received By: DB

Completed by:

On:

14-Jan-11

Dawn Brantley

Reviewed by:

On:

14-Jan-11

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

January 24, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11010530

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/18/2011 8:25:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads 'Heather A. White'.

Heather A. White
Project Manager
(618)344-1004 ex 20

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

SAMPLE SUMMARY

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010530

Report Date: 24-Jan-11

Lab Sample ID	Client Sample ID	Fractions	Collection Date
11010530-001	6773 Treated	5	1/17/2011 11:00:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

CASE NARRATIVE

Project: A831-735002-012901-225Ameren Champaign 62409080120

LabOrder: 11010530

Report Date: 24-Jan-11

Cooler Receipt Temp: 1.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

NELAP - IL ELAP and NELAP Accredited Field of Testing

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010530

Lab ID: 11010530-001

Report Date: 24-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 6773 Treated

Collection Date: 1/17/2011 11:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		9.22		1	1/18/2011 3:20:00 PM	PD
<u>STANDARD METHODS 18TH ED. 2540 D</u>								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	1/18/2011 11:30:00 AM	RS
<u>STANDARD METHODS 18TH ED. 5210 B</u>								
Biochemical Oxygen Demand	NELAP	5		85	mg/L	1	1/19/2011 10:30:00 AM	SR
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	1/19/2011 1:48:35 PM	JMW
Barium	NELAP	0.0050		0.712	mg/L	1	1/19/2011 1:48:35 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	1/19/2011 1:48:35 PM	JMW
Chromium	NELAP	0.0100		0.0257	mg/L	1	1/19/2011 1:48:35 PM	JMW
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	1/19/2011 1:48:35 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2011 1:48:35 PM	JMW
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	1/19/2011 10:00:24 AM	MEK
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Acenaphthylene	NELAP	0.00014		0.00040	mg/L	1	1/19/2011 11:02:00 AM	MAV
Anthracene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Benzo(a)anthracene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Benzo(a)pyrene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Benzo(b)fluoranthene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Benzo(g,h,i)perylene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Benzo(k)fluoranthene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Chrysene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Dibenzo(a,h)anthracene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Fluoranthene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Fluorene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Indeno(1,2,3-cd)pyrene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Naphthalene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Phenanthrene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Pyrene	NELAP	0.00014		ND	mg/L	1	1/19/2011 11:02:00 AM	MAV
Total PNAs except Naphthalene		0.00019		0.00040	mg/L	1	1/19/2011 11:02:00 AM	MAV
Surr: 2-Fluorobiphenyl		41.1-108		85.4	%REC	1	1/19/2011 11:02:00 AM	MAV
Surr: 2-Fluorophenol		16.8-65.9		34.8	%REC	1	1/19/2011 11:02:00 AM	MAV
Surr: Nitrobenzene-d5		37.6-105	S	102.9	%REC	1	1/19/2011 11:02:00 AM	MAV
Surr: Phenol-d5		11-42.8		23.6	%REC	1	1/19/2011 11:02:00 AM	MAV
Surr: p-Terphenyl-d14		49-113		86.5	%REC	1	1/19/2011 11:02:00 AM	MAV
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: PSC Industrial Outsourcing, LP

WorkOrder: 11010530

Lab ID: 11010530-001

Report Date: 24-Jan-11

Client Project: A831-735002-012901-225Ameren Ch

Client Sample ID: 6773 Treated

Collection Date: 1/17/2011 11:00:00 AM

Matrix: AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0	J	0.6	µg/L	1	1/18/2011 6:21:00 PM	CCF
Ethylbenzene	NELAP	5.0		ND	µg/L	1	1/18/2011 6:21:00 PM	CCF
Toluene	NELAP	5.0		ND	µg/L	1	1/18/2011 6:21:00 PM	CCF
Xylenes, Total	NELAP	5.0		ND	µg/L	1	1/18/2011 6:21:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		109.4	%REC	1	1/18/2011 6:21:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		102.8	%REC	1	1/18/2011 6:21:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		110.2	%REC	1	1/18/2011 6:21:00 PM	CCF
Surr: Toluene-d8		84.3-114		94.4	%REC	1	1/18/2011 6:21:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/19/2011	MEK
<u>SW-846 9012A</u>								
Cyanide, Amenable to Chlorination		0.014		Interference	mg/L	2	1/19/2011 11:06:00 AM	KNS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.014		0.046	mg/L	2	1/19/2011 11:06:00 AM	KNS

Sample Narrative

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP**DATES REPORT****Project:** A831-735002-012901-225Ameren Champaign 62409080120**Lab Order:** 11010530**Report Date:** 24-Jan-11

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date/Time	Analysis Date/Time
11010530-001A	6773 Treated	1/17/2011	Aqueous	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	1/18/2011 2:33:47 PM	1/19/2011 11:02:00 AM
11010530-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		1/18/2011 3:20:00 PM
				Standard Methods 18th Ed. 2540 D		1/18/2011 11:30:00 AM
				Standard Methods 18th Ed. 5210 B	1/19/2011 10:30:00 AM	1/19/2011 10:30:00 AM
11010530-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	1/18/2011 12:39:48 PM	1/19/2011 1:31:27 PM
				SW-846 3005A, 6010B, Metals by ICP (Total)	1/18/2011 12:39:48 PM	1/19/2011 1:48:35 PM
				SW-846 3020A, Metals by GFAA (Total)	1/18/2011 12:28:51 PM	1/19/2011 10:00:24 AM
				SW-846 7470A (Total)	1/18/2011 1:30:00 PM	1/19/2011
11010530-001D				SW-846 9012A		1/19/2011 11:06:00 AM
				SW-846 9012A (Total)		1/19/2011 11:06:00 AM
11010530-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		1/18/2011 6:21:00 PM

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)
- ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.
- LCS D** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.
- MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.
- MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)
- PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.
- RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.
- SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL - Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M2540 D

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MB-R144714		SampType: MBLK		Units: mg/L		Prep Date:			RunNo: 144714		
Client ID: ZZZZZZ		Batch ID: R144714					Analysis Date: 1/18/2011			SeqNo: 2842594	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Suspended Solids	< 6	6									
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Sample ID: LCS-R144714		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144714		
Client ID: ZZZZZZ		Batch ID: R144714			Analysis Date: 1/18/2011					SeqNo: 2842595		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	102	6	100.0	0	102.0	85	115				
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Sample ID: 11010530-001BDUP		SampType: DUP			Units: mg/L		Prep Date:			RunNo: 144714		
Client ID: 6773 TreatedDUP		Batch ID: R144714			Analysis Date: 1/18/2011			SeqNo: 2842609				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	< 6	6						0	0	15	
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Sample ID: LCS-R144714		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144714		
Client ID: ZZZZZZ		Batch ID: R144714			Analysis Date: 1/18/2011			SeqNo: 2842610				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Suspended Solids	98	6	100.0	0	98.0	85	115				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M4500-H B

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: 11010530-001BDUP		SampType: DUP		Units:		Prep Date:		RunNo: 144713			
Client ID: 6773 TreatedDUP		Batch ID: R144713				Analysis Date: 1/18/2011		SeqNo: 2842585			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	9.24	1.00						9.220	0.217	10	

Sample ID: LCS-R144713		SampType: LCS		Units:		Prep Date:		RunNo: 144713			
Client ID: ZZZZZZ		Batch ID: R144713				Analysis Date: 1/18/2011		SeqNo: 2846170			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH	7.01	1.00	7.000	0	100.1	99.1	100.9				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: M5210 B

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: LCS-65487	SampType: LCS	Units: mg/L			Prep Date: 1/19/2011			RunNo: 144855			
Client ID: ZZZZZZ	Batch ID: 65487	SOP 2030			Analysis Date: 1/19/2011			SeqNo: 2845883			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	193	5	198.0	0	97.5	84.6	115.4				
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Sample ID: 11010530-001B-DUP	SampType: DUP	Units: mg/L			Prep Date: 1/19/2011			RunNo: 144855			
Client ID: 6773 TreatedDUP	Batch ID: 65487	SOP 2030			Analysis Date: 1/19/2011			SeqNo: 2845885			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Biochemical Oxygen Demand	95	5						85.00	11.1	40	
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MB-65506	SampType: MBLK	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144752		
Client ID: ZZZZZZ	Batch ID: 65506	SOP 3034				Analysis Date: 1/19/2011			SeqNo: 2843282		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.010000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.010000	0	0	-100	100				

Sample ID: LCS-65506	SampType: LCS	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144752		
Client ID: ZZZZZZ	Batch ID: 65506	SOP 3034				Analysis Date: 1/19/2011			SeqNo: 2843284		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	2.05	0.0050	2.000	0	102.6	85	115				
Cadmium	0.0544	0.0020	0.05000	0	108.8	85	115				
Chromium	0.219	0.0100	0.2000	0	109.4	85	115				
Silver	0.0540	0.0100	0.05000	0	108.0	85	115				

Sample ID: MB-65506	SampType: MBLK	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144752		
Client ID: ZZZZZZ	Batch ID: 65506	SOP 3034				Analysis Date: 1/19/2011			SeqNo: 2843283		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0250	0.0250	0.02500	0	0	-100	100				
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.010000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.010000	0	0	-100	100				

Sample ID: LCS-65506	SampType: LCS	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144752		
Client ID: ZZZZZZ	Batch ID: 65506	SOP 3034				Analysis Date: 1/19/2011			SeqNo: 2843285		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW6010B

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: LCS-65506	SampType: LCS	Units: mg/L			Prep Date: 1/18/2011			RunNo: 144752			
Client ID: ZZZZZZ	Batch ID: 65506	SOP 3034			Analysis Date: 1/19/2011			SeqNo: 2843285			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.24	0.0250	2.000	0	111.8	85	115				
Barium	2.05	0.0050	2.000	0	102.6	85	115				
Cadmium	0.0544	0.0020	0.05000	0	108.8	85	115				
Chromium	0.219	0.0100	0.2000	0	109.4	85	115				
Selenium	2.14	0.0500	2.000	0	107.0	85	115				
Silver	0.0540	0.0100	0.05000	0	108.0	85	115				

Sample ID: 11010530-001CMS	SampType: MS	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144752		
Client ID: 6773 TreatedMS	Batch ID: 65506	SOP 3034				Analysis Date: 1/19/2011			SeqNo: 2843287		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.20	0.0250	2.000	0	110.0	75	125				
Barium	2.59	0.0050	2.000	0.7119	94.1	75	125				
Cadmium	0.0493	0.0020	0.05000	0	98.6	75	125				
Chromium	0.236	0.0100	0.2000	0.02570	105.2	75	125				
Selenium	2.07	0.0500	2.000	0	103.4	75	125				
Silver	0.0531	0.0100	0.05000	0	106.2	75	125				

Sample ID: 11010530-001CMSD	SampType: MSD	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144752		
Client ID: 6773 TreatedMSD	Batch ID: 65506	SOP 3034				Analysis Date: 1/19/2011			SeqNo: 2843288		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.24	0.0250	2.000	0	112.0	75	125	2.200	1.85	20	
Barium	2.58	0.0050	2.000	0.7119	93.6	75	125	2.593	0.386	20	
Cadmium	0.0493	0.0020	0.05000	0	98.6	75	125	0.04930	0	20	
Chromium	0.238	0.0100	0.2000	0.02570	106.2	75	125	0.2361	0.802	20	
Selenium	2.07	0.0500	2.000	0	103.4	75	125	2.067	0.0967	20	
Silver	0.0529	0.0100	0.05000	0	105.8	75	125	0.05310	0.377	20	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7000 G

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MB-65505		SampType: MBLK		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144740		
Client ID: ZZZZZZ		Batch ID: 65505		SOP 3044		Analysis Date: 1/19/2011			SeqNo: 2843121		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
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Sample ID: LCS-65505		SampType: LCS			Units: mg/L		Prep Date: 1/18/2011			RunNo: 144740		
Client ID: ZZZZZZ		Batch ID: 65505			SOP 3044		Analysis Date: 1/19/2011			SeqNo: 2843123		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	7421	0.0144	0.0020	0.01500	0	95.9	80	120			
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Sample ID: 11010530-001CMS		SampType: MS		Units: mg/L		Prep Date: 1/18/2011		RunNo: 144740			
Client ID: 6773 TreatedMS		Batch ID: 65505		SOP 3044		Analysis Date: 1/19/2011		SeqNo: 2843127			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0111	0.0020	0.01500	0	74.0	70	130			
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Sample ID: 11010530-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144740		
Client ID: 6773 TreatedMSD		Batch ID: 65505		SOP 3044		Analysis Date: 1/19/2011			SeqNo: 2843128		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7421	0.0122	0.0020	0.01500	0	81.2	70	130	0.01110	9.28	20
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MB-65520		SampType: MBLK		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144756		
Client ID: ZZZZZZ		Batch ID: 65520		SOP 3062		Analysis Date: 1/19/2011			SeqNo: 2843363		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
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Sample ID: LCS-65520		SampType: LCS		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144756		
Client ID: ZZZZZZ		Batch ID: 65520		SOP 3062		Analysis Date: 1/19/2011			SeqNo: 2843364		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00501	0.00020	0.005000	0	100.2	85	115				
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Sample ID: 11010530-001CMS		SampType: MS		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144756		
Client ID: 6773 TreatedMS		Batch ID: 65520		SOP 3062		Analysis Date: 1/19/2011			SeqNo: 2843366		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00476	0.00020	0.005000	0	95.2	75	125				
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Sample ID: 11010530-001CMSD		SampType: MSD		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144756		
Client ID: 6773 TreatedMSD		Batch ID: 65520		SOP 3062		Analysis Date: 1/19/2011			SeqNo: 2843367		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00479	0.00020	0.005000	0	95.8	75	125	0.004760	0.628	15	
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Sample ID: MB-65520		SampType: MBLK		Units: µg/L		Prep Date: 1/18/2011		RunNo: 144756			
Client ID: ZZZZZZ		Batch ID: 65520		SOP 3062		Analysis Date: 1/19/2011		SeqNo: 2843361			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.20	0.20	0.2000	0	0	-100	100				
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Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW7470 A

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: LCS-65520	SampType: LCS	Units: µg/L			Prep Date: 1/18/2011	RunNo: 144756					
Client ID: ZZZZZZ	Batch ID: 65520	SOP 3062			Analysis Date: 1/19/2011	SeqNo: 2843362					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.01	0.20	5.000	0	100.2	85	115				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: LCS-R110118-1	SampType: LCS	Units: µg/L			Prep Date: 1/18/2011			RunNo: 144709			
Client ID: ZZZZZZ	Batch ID: 65512	SW5030			Analysis Date: 1/18/2011			SeqNo: 2842529			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.4	2.0	50.00	0	86.7	82.7	117				
Ethylbenzene	43.2	5.0	50.00	0	86.5	83	113				
Toluene	43.2	5.0	50.00	0	86.5	79.6	116				
Xylenes, Total	139	5.0	150.0	0	92.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104.5	74.7	129				
Surr: 4-Bromofluorobenzene	51.4		50.00		102.7	86	119				
Surr: Dibromofluoromethane	53.5		50.00		106.9	81.7	123				
Surr: Toluene-d8	47.3		50.00		94.5	84.3	114				

Sample ID: LCSD-R110118-1	SampType: LCSD	Units: µg/L			Prep Date: 1/18/2011			RunNo: 144709			
Client ID: ZZZZZZ	Batch ID: 65512	SW5030			Analysis Date: 1/18/2011			SeqNo: 2842530			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.6	2.0	50.00	0	89.3	82.7	117	43.35	2.95	20	
Ethylbenzene	44.6	5.0	50.00	0	89.1	83	113	43.25	3.01	20	
Toluene	43.7	5.0	50.00	0	87.3	79.6	116	43.24	0.990	20	
Xylenes, Total	140	5.0	150.0	0	93.2	80.3	120	138.9	0.674	20	
Surr: 1,2-Dichloroethane-d4	52.3		50.00		104.6	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	51.5		50.00		103.1	86	119		0	20	
Surr: Dibromofluoromethane	54.6		50.00		109.3	81.7	123		0	20	
Surr: Toluene-d8	47.4		50.00		94.8	84.3	114		0	20	

Sample ID: MBLK-R110118-1	SampType: MBLK	Units: µg/L			Prep Date: 1/18/2011			RunNo: 144709			
Client ID: ZZZZZZ	Batch ID: 65512	SW5030			Analysis Date: 1/18/2011			SeqNo: 2842531			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Ethylbenzene	ND	5.0									
Toluene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8260B

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MBLK-R110118-1		SampType: MBLK		Units: µg/L		Prep Date: 1/18/2011			RunNo: 144709		
Client ID: ZZZZZZ		Batch ID: 65512		SW5030		Analysis Date: 1/18/2011			SeqNo: 2842531		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	51.6		50.00		103.2	74.7	129				
Surr: 4-Bromofluorobenzene	52.6		50.00		105.2	86	119				
Surr: Dibromofluoromethane	53.8		50.00		107.6	81.7	123				
Surr: Toluene-d8	47.1		50.00		94.2	84.3	114				

Sample ID: 11010530-001EMS		SampType: MS		Units: µg/L		Prep Date: 1/18/2011		RunNo: 144709			
Client ID: 6773 TreatedMS		Batch ID: 65512		SW5030		Analysis Date: 1/18/2011		SeqNo: 2843070			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	43.5	2.0	62.00	0.6000	69.2	57.8	125				
Ethylbenzene	64.0	5.0	62.00	0	103.2	72.8	123				
Toluene	55.6	5.0	62.00	0	89.7	75.8	123				
Xylenes, Total	135	5.0	124.0	0	109.2	73	127				
Surr: 1,2-Dichloroethane-d4	54.6		50.00		109.3	74.7	129				
Surr: 4-Bromofluorobenzene	51.7		50.00		103.4	86	119				
Surr: Dibromofluoromethane	55.0		50.00		109.9	81.7	123				
Surr: Toluene-d8	47.0		50.00		94.0	84.3	114				

Sample ID: 11010530-001EMSD	SampType: MSD	Units: µg/L			Prep Date: 1/18/2011			RunNo: 144709			
Client ID: 6773 TreatedMSD	Batch ID: 65512	SW5030			Analysis Date: 1/18/2011			SeqNo: 2843071			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	43.2	2.0	62.00	0.6000	68.8	57.8	125	43.48	0.530	20	
Ethylbenzene	64.2	5.0	62.00	0	103.5	72.8	123	63.99	0.281	20	
Toluene	55.4	5.0	62.00	0	89.4	75.8	123	55.59	0.270	20	
Xylenes, Total	136	5.0	124.0	0	109.9	73	127	135.4	0.626	20	
Surr: 1,2-Dichloroethane-d4	53.9		50.00		107.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.7		50.00		103.5	86	119		0	0	
Surr: Dibromofluoromethane	54.7		50.00		109.3	81.7	123		0	0	
Surr: Toluene-d8	47.7		50.00		95.4	84.3	114		0	0	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MB-65501		SampType: MBLK		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144743		
Client ID: ZZZZZZ		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011			SeqNo: 2843092		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00391		0.005000		78.2	41.9	97.9				
Surr: 2-Fluorophenol	0.00408		0.01000		40.8	16.1	79.2				
Surr: Nitrobenzene-d5	0.00484		0.005000		96.7	39.9	106				
Surr: Phenol-d5	0.00255		0.01000		25.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00484		0.005000		96.7	53	116				

Sample ID: LCS-65501		SampType: LCS		Units: mg/L		Prep Date: 1/18/2011			RunNo: 144743		
Client ID: ZZZZZZ		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011			SeqNo: 2843093		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00441	0.00010	0.005000	0	88.2	50.1	103				
Acenaphthylene	0.00450	0.00010	0.005000	0	89.9	53.3	122				
Anthracene	0.00451	0.00010	0.005000	0	90.2	57.4	110				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: LCS-65501		SampType: LCS		Units: mg/L		Prep Date: 1/18/2011		RunNo: 144743			
Client ID: ZZZZZZ		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011		SeqNo: 2843093			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0.00437	0.00010	0.005000	0	87.4	56	102				
Benzo(a)pyrene	0.00524	0.00010	0.005000	0	104.7	55.4	125				
Benzo(b)fluoranthene	0.00500	0.00010	0.005000	0	100	59.3	127				
Benzo(g,h,i)perylene	0.00589	0.00010	0.005000	0	117.9	58.4	125				
Benzo(k)fluoranthene	0.00511	0.00010	0.005000	0	102.2	61.5	125				
Chrysene	0.00454	0.00010	0.005000	0	90.8	58.7	118				
Dibenzo(a,h)anthracene	0.00557	0.00010	0.005000	0	111.4	59.3	126				
Fluoranthene	0.00533	0.00010	0.005000	0	106.6	60.1	117				
Fluorene	0.00477	0.00010	0.005000	0	95.4	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00578	0.00010	0.005000	0	115.5	58.1	123				
Naphthalene	0.00376	0.00010	0.005000	0	75.2	36.3	97.1				
Phenanthrene	0.00442	0.00010	0.005000	0	88.5	55.9	107				
Pyrene	0.00512	0.00010	0.005000	0	102.3	61.4	116				
Surr: 2-Fluorobiphenyl	0.00417		0.005000		83.4	41.9	97.9				
Surr: 2-Fluorophenol	0.00419		0.01000		41.9	16.1	79.2				
Surr: Nitrobenzene-d5	0.00508		0.005000		101.6	39.9	106				
Surr: Phenol-d5	0.00263		0.01000		26.3	9.94	53.7				
Surr: p-Terphenyl-d14	0.00483		0.005000		96.6	53	116				

Sample ID: LCSD-65501		SampType: LCSD		Units: mg/L		Prep Date: 1/18/2011		RunNo: 144743			
Client ID: ZZZZZZ		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011		SeqNo: 2843094			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00451	0.00010	0.005000	0	90.2	50.1	103	0.004411	2.20	50	
Acenaphthylene	0.00456	0.00010	0.005000	0	91.1	53.3	122	0.004495	1.33	50	
Anthracene	0.00449	0.00010	0.005000	0	89.9	57.4	110	0.004511	0.400	50	
Benzo(a)anthracene	0.00427	0.00010	0.005000	0	85.3	56	102	0.004370	2.41	50	
Benzo(a)pyrene	0.00505	0.00010	0.005000	0	100.9	55.4	125	0.005235	3.68	50	
Benzo(b)fluoranthene	0.00489	0.00010	0.005000	0	97.9	59.3	127	0.004998	2.10	50	
Benzo(g,h,i)perylene	0.00570	0.00010	0.005000	0	114.0	58.4	125	0.005894	3.35	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: LCSD-65501	SampType: LCSD	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144743		
Client ID: ZZZZZZ	Batch ID: 65501	SW3510C				Analysis Date: 1/19/2011			SeqNo: 2843094		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00491	0.00010	0.005000	0	98.2	61.5	125	0.005111	4.03	50	
Chrysene	0.00452	0.00010	0.005000	0	90.3	58.7	118	0.004539	0.530	50	
Dibenzo(a,h)anthracene	0.00549	0.00010	0.005000	0	109.9	59.3	126	0.005572	1.41	50	
Fluoranthene	0.00534	0.00010	0.005000	0	106.7	60.1	117	0.005331	0.112	50	
Fluorene	0.00478	0.00010	0.005000	0	95.6	54.1	110	0.004771	0.147	50	
Indeno(1,2,3-cd)pyrene	0.00571	0.00010	0.005000	0	114.2	58.1	123	0.005776	1.13	50	
Naphthalene	0.00346	0.00010	0.005000	0	69.1	36.3	97.1	0.003758	8.37	50	
Phenanthrene	0.00447	0.00010	0.005000	0	89.5	55.9	107	0.004424	1.12	50	
Pyrene	0.00501	0.00010	0.005000	0	100.2	61.4	116	0.005116	2.11	50	
Surr: 2-Fluorobiphenyl	0.00408		0.005000		81.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00405		0.01000		40.5	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00502		0.005000		100.3	39.9	106		0	50	
Surr: Phenol-d5	0.00257		0.01000		25.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00483		0.005000		96.5	53	116		0	50	

Sample ID: 11010530-001AMS	SampType: MS	Units: mg/L				Prep Date: 1/18/2011			RunNo: 144743		
Client ID: 6773 TreatedMS	Batch ID: 65501	SW3510C				Analysis Date: 1/19/2011			SeqNo: 2843096		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00659	0.00014	0.007143	0	92.3	42.4	117				
Acenaphthylene	0.00671	0.00014	0.007143	0.0004043	88.3	48.4	133				
Anthracene	0.00641	0.00014	0.007143	0	89.7	52.4	115				
Benzo(a)anthracene	0.00575	0.00014	0.007143	0	80.4	50.8	105				
Benzo(a)pyrene	0.00686	0.00014	0.007143	0	96.1	53.3	126				
Benzo(b)fluoranthene	0.00670	0.00014	0.007143	0	93.8	53.5	131				
Benzo(g,h,i)perylene	0.00801	0.00014	0.007143	0	112.1	54.6	127				
Benzo(k)fluoranthene	0.00690	0.00014	0.007143	0	96.5	56.2	128				
Chrysene	0.00616	0.00014	0.007143	0	86.3	54.4	122				
Dibenzo(a,h)anthracene	0.00775	0.00014	0.007143	0	108.5	54.8	127				
Fluoranthene	0.00729	0.00014	0.007143	0	102.1	54.5	122				

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: 11010530-001AMS		SampType: MS		Units: mg/L		Prep Date: 1/18/2011		RunNo: 144743			
Client ID: 6773 TreatedMS		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011		SeqNo: 2843096			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	0.00685	0.00014	0.007143	0	95.9	47.7	119				
Indeno(1,2,3-cd)pyrene	0.00809	0.00014	0.007143	0	113.3	53.2	125				
Naphthalene	0.00568	0.00014	0.007143	0	79.5	36.3	107				
Phenanthrene	0.00611	0.00014	0.007143	0	85.5	51	112				
Pyrene	0.00703	0.00014	0.007143	0	98.4	55.9	121				
Surr: 2-Fluorobiphenyl	0.00619		0.007143		86.6	41.1	108				
Surr: 2-Fluorophenol	0.00592		0.01429		41.5	16.8	65.9				
Surr: Nitrobenzene-d5	0.00764		0.007143		107.0	37.6	105				S
Surr: Phenol-d5	0.00363		0.01429		25.4	11	42.8				
Surr: p-Terphenyl-d14	0.00634		0.007143		88.8	49	113				

Sample ID: 11010530-001AMSD		SampType: MSD		Units: mg/L		Prep Date: 1/18/2011		RunNo: 144743			
Client ID: 6773 TreatedMSD		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011		SeqNo: 2843097			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00693	0.00014	0.007143	0	97.0	42.4	117	0.006594	4.94	50	
Acenaphthylene	0.00674	0.00014	0.007143	0.0004043	88.8	48.4	133	0.006711	0.488	50	
Anthracene	0.00671	0.00014	0.007143	0	93.9	52.4	115	0.006409	4.55	50	
Benzo(a)anthracene	0.00618	0.00014	0.007143	0	86.5	50.8	105	0.005746	7.28	50	
Benzo(a)pyrene	0.00731	0.00014	0.007143	0	102.4	53.3	126	0.006864	6.31	50	
Benzo(b)fluoranthene	0.00717	0.00014	0.007143	0	100.4	53.5	131	0.006700	6.76	50	
Benzo(g,h,i)perylene	0.00845	0.00014	0.007143	0	118.3	54.6	127	0.008010	5.33	50	
Benzo(k)fluoranthene	0.00720	0.00014	0.007143	0	100.8	56.2	128	0.006896	4.30	50	
Chrysene	0.00666	0.00014	0.007143	0	93.2	54.4	122	0.006161	7.76	50	
Dibenzo(a,h)anthracene	0.00808	0.00014	0.007143	0	113.2	54.8	127	0.007747	4.24	50	
Fluoranthene	0.00782	0.00014	0.007143	0	109.5	54.5	122	0.007290	7.00	50	
Fluorene	0.00730	0.00014	0.007143	0	102.2	47.7	119	0.006849	6.38	50	
Indeno(1,2,3-cd)pyrene	0.00832	0.00014	0.007143	0	116.4	53.2	125	0.008091	2.73	50	
Naphthalene	0.00606	0.00014	0.007143	0	84.8	36.3	107	0.005679	6.43	50	
Phenanthrene	0.00661	0.00014	0.007143	0	92.6	51	112	0.006107	7.97	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW8270C

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: 11010530-001AMSD		SampType: MSD		Units: mg/L		Prep Date: 1/18/2011		RunNo: 144743			
Client ID: 6773 TreatedMSD		Batch ID: 65501		SW3510C		Analysis Date: 1/19/2011		SeqNo: 2843097			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	0.00738	0.00014	0.007143	0	103.3	55.9	121	0.007031	4.86	50	
Surr: 2-Fluorobiphenyl	0.00629		0.007143		88.0	41.1	108		0	50	
Surr: 2-Fluorophenol	0.00610		0.01429		42.7	16.8	65.9		0	50	
Surr: Nitrobenzene-d5	0.00765		0.007143		107.1	37.6	105		0	50	S
Surr: Phenol-d5	0.00370		0.01429		25.9	11	42.8		0	50	
Surr: p-Terphenyl-d14	0.00703		0.007143		98.5	49	113		0	50	

Client: PSC Industrial Outsourcing, LP

ANALYTICAL QC SUMMARY REPORT

Project: A831-735002-012901-225Ameren Champaign 62409080120

Test Number: SW9012A (TCN) Aqueou

Lab Order: 11010530

Report Date: 24-Jan-11

Sample ID: MB-R144753		SampType: MBLK			Units: mg/L		Prep Date:			RunNo: 144753		
Client ID: ZZZZZZ		Batch ID: R144753			Analysis Date: 1/19/2011			SeqNo: 2843295				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	< 0.007	0.007									
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Sample ID: LCS-R144753		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144753		
Client ID: ZZZZZZ		Batch ID: R144753			Analysis Date: 1/19/2011			SeqNo: 2843296				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.026	0.007	0.02500	0	105.9	85	115				
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Sample ID: LCS-R144753		SampType: LCS			Units: mg/L		Prep Date:			RunNo: 144753		
Client ID: ZZZZZZ		Batch ID: R144753			Analysis Date: 1/19/2011			SeqNo: 2843297				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.026	0.007	0.02500	0	105.4	85	115				
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Sample ID: 11010530-001DMS		SampType: MS			Units: mg/L		Prep Date:			RunNo: 144753		
Client ID: 6773 TreatedMS		Batch ID: R144753			Analysis Date: 1/19/2011			SeqNo: 2843332				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Cyanide	0.071	0.014	0.02500	0.04606	99.0	75	125				
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Sample ID: 11010530-001DMSD		SampType: MSD		Units: mg/L		Prep Date:			RunNo: 144753		
Client ID: 6773 TreatedMSD		Batch ID: R144753					Analysis Date: 1/19/2011			SeqNo: 2843333	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide	0.071	0.014	0.02500	0.04606	98.3	75	125	0.07082	0.240	15	
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: PSC Industrial Outsourcing, LP

RECEIVING CHECK LIST

Project: A831-735002-012901-225Ameren Champaign 62409080120

Lab Order: 11010530

Report Date: 24-Jan-11

Carrier: FedEx

Received By: TWM

Completed by:

On:

18-Jan-11

Timothy W. Mathis

Reviewed by:

On:

18-Jan-11

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09968

11010530

Project Name: Champaign MGP Project Mgr.: P. SAZAMA

Project Number: 624-0808-0120 Cost Code: J0002

Sampler(s): E. Balloy

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

Date

Time

Matrix

Soil

Water

Air

Wipes

Other *

Total Number of Containers

Analyses by Method Name and Number

Comments (Field PID)

Lab ID #'s

Laboratory Temperature upon Receipt

1.2

1-18-11

HEADSPACE TM 1-18-11

Rush *

11010530-001

* Collection time per

Ed Balloy. Sat 1/18/11

1 DAY

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: P. SAZAMA & L. Hoessler

Send Invoice to:

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Shipped:

Carrier / Airbill No.

Distribution: WHITE to Lab

CANARY to PM

PINK to QA/QC

GREEN to Sampler

PE-179 (6/03)

Shaded Areas to be Completed by Lab

January 27, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11010625

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/19/2011 4:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Locations and Accreditations	17
Receiving Check List	18
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Cooler Receipt Temp: 1.4 °C

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Lab ID: 11010625-001

Client Sample ID: 6785 Treated

Matrix: AQUEOUS

Collection Date: 01/19/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.45		1	01/20/2011 13:20	R144793
STANDARD METHODS 18TH ED. 2540 D								
% RPD was outside the QC limits due to low level results. When duplicate results for TSS are 20 mg/L or less and have a difference of no greater than the PQL, the results are considered within the precision of the test method and are reportable.								
Total Suspended Solids	NELAP	6	R	< 6	mg/L	1	01/20/2011 9:30	R144791
STANDARD METHODS 18TH ED. 5210 B								
Laboratory control sample did not recover within QC limits. LCS recovered outside of the acceptable range at 80.3%. The acceptable range is 84.6-115.4%								
Biochemical Oxygen Demand	NELAP	5	S	82	mg/L	1	01/20/2011 14:40	65549
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.014	J	0.011	mg/L	2	01/20/2011 8:14	R144786
SW-846 9012A (TOTAL)								
Matrix interference present in sample.								
Cyanide	NELAP	0.014	S	0.050	mg/L	2	01/20/2011 8:14	R144786
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	01/20/2011 11:00	65532
Barium	NELAP	0.0050		0.759	mg/L	1	01/20/2011 11:00	65532
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	01/20/2011 11:00	65532
Chromium	NELAP	0.0100		0.0283	mg/L	1	01/20/2011 11:00	65532
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	01/20/2011 11:00	65532
Silver	NELAP	0.0100		< 0.0100	mg/L	1	01/20/2011 11:00	65532
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	01/20/2011 9:27	65534
SW-846 7470A (TOTAL)								
Hg - Matrix interference present in sample.								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	01/20/2011 13:30	65544
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Acenaphthylene	NELAP	0.00010		0.00033	mg/L	1	01/20/2011 18:57	65530
Anthracene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Chrysene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Fluoranthene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Fluorene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Naphthalene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Phenanthrene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Pyrene	NELAP	0.00010		ND	mg/L	1	01/20/2011 18:57	65530
Total PNAs except Naphthalene		0.00013		0.00033	mg/L	1	01/20/2011 18:57	65530
Surr: 2-Fluorobiphenyl		41.1-108		74.0	%REC	1	01/20/2011 18:57	65530
Surr: 2-Fluorophenol		16.8-65.9		40.1	%REC	1	01/20/2011 18:57	65530
Surr: Nitrobenzene-d5		37.6-105		80.0	%REC	1	01/20/2011 18:57	65530
Surr: Phenol-d5		11-42.8		23.8	%REC	1	01/20/2011 18:57	65530



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Lab ID: 11010625-001

Client Sample ID: 6785 Treated

Matrix: AQUEOUS

Collection Date: 01/19/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr: p-Terphenyl-d14		49-113		77.0	%REC	1	01/20/2011 18:57	65530
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	0.6	µg/L	1	01/19/2011 21:34	65545
Ethylbenzene	NELAP	5.0		ND	µg/L	1	01/19/2011 21:34	65545
Toluene	NELAP	5.0		ND	µg/L	1	01/19/2011 21:34	65545
Xylenes, Total	NELAP	5.0		ND	µg/L	1	01/19/2011 21:34	65545
Surr: 1,2-Dichloroethane-d4		74.7-129		107.0	%REC	1	01/19/2011 21:34	65545
Surr: 4-Bromofluorobenzene		86-119		106.0	%REC	1	01/19/2011 21:34	65545
Surr: Dibromofluoromethane		81.7-123		109.4	%REC	1	01/19/2011 21:34	65545
Surr: Toluene-d8		84.3-114		93.0	%REC	1	01/19/2011 21:34	65545



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11010625-001	6785 Treated	Aqueous	5	01/19/2011 9:30



Dates Report

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11010625-001A	6785 Treated	01/19/2011 9:30	1/19/2011 4:35:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		01/19/2011 19:56	01/20/2011 18:57
11010625-001B	6785 Treated	01/19/2011 9:30	1/19/2011 4:35:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/20/2011 13:20
	Standard Methods 18th Ed. 2540 D			01/20/2011 9:30
	Standard Methods 18th Ed. 5210 B		01/20/2011 14:40	01/20/2011 14:40
11010625-001C	6785 Treated	01/19/2011 9:30	1/19/2011 4:35:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		01/19/2011 17:04	01/20/2011 11:00
	SW-846 3020A, Metals by GFAA (Total)		01/19/2011 17:04	01/20/2011 9:27
	SW-846 7470A (Total)		01/20/2011 10:45	01/20/2011 13:30
11010625-001D	6785 Treated	01/19/2011 9:30	1/19/2011 4:35:00 PM	
	SW-846 9012A			01/20/2011 8:14
	SW-846 9012A (Total)			01/20/2011 8:14
11010625-001E	6785 Treated	01/19/2011 9:30	1/19/2011 4:35:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			01/19/2011 21:34

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R144793		SampType: LCS		Units						
SampID: LCS-R144793										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH	1.00		7.01	7.00	0	100.1	99.1	100.9	01/20/2011	

Batch R144793		SampType: DUP	Units					RPD Limit 10		
SampID: 11010625-001BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lab pH		1.00		9.49				9.450	0.422	01/20/2011

STANDARD METHODS 18TH ED. 2540 D

Batch R144791		SampType: MBLK		Units mg/L							
SampID: MB-R144791											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						01/20/2011	

Batch R144791		SampType: LCS		Units mg/L						
SampID: LCS-R144791										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		97	100	0	97.0	85	115	01/20/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	01/20/2011	

Batch R144791		SampType: DUP		Units mg/L				RPD Limit 15				
SampID: 11010625-001BDUP												Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Suspended Solids		6	R	7				0	200	01/20/2011		

STANDARD METHODS 18TH ED. 5210 B

Batch 65549		SampType: LCS		Units mg/L						
SampID: LCS-65549										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Biochemical Oxygen Demand	5	S	159	198	0	80.3	84.6	115.4	01/20/2011	

Batch 65549		SampType: DUP		Units mg/L				RPD Limit 40		
SampID: 11010625-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5	S	87				82.00	5.92	01/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 9012A (TOTAL)

Batch R144786		SampType: MBLK		Units mg/L							
SampID: MB-R144786											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		< 0.007						01/20/2011	
Batch R144786		SampType: LCS		Units mg/L							
SampID: LCS-R144786											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		0.025	0.025	0	101.7	85	115	01/20/2011	
Batch R144786		SampType: MS		Units mg/L							
SampID: 11010625-001DMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.014	S	0.061	0.025	0.04969	46.9	75	125	01/20/2011	
Batch R144786		SampType: MSD		Units mg/L							RPD Limit 15
SampID: 11010625-001DMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.014	S	0.063	0.025	0.04969	53.1	0.06140	2.51	01/20/2011	
Batch R144835		SampType: MBLK		Units mg/L							
SampID: MB-R144835											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		< 0.007						01/21/2011	
Batch R144835		SampType: LCS		Units mg/L							
SampID: LCS-R144835											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		0.026	0.025	0	106.0	85	115	01/21/2011	
Batch R144872		SampType: MBLK		Units mg/L							
SampID: MB-R144872											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		< 0.007						01/24/2011	
Cyanide		0.007		< 0.007						01/24/2011	
Batch R144872		SampType: LCS		Units mg/L							
SampID: LCS-R144872											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		0.026	0.025	0	104.1	85	115	01/24/2011	
Cyanide		0.007		0.025	0.025	0	100.8	85	115	01/24/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 65532 **SampType:** MBLK Units mg/L

SampID: MB-65532

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	01/20/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	01/20/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	01/20/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	01/20/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	01/20/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	01/20/2011

Batch 65532 **SampType:** LCS Units mg/L

SampID: LCS-65532

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.01	2.00	0	100.5	85	115	01/20/2011
Barium	0.0050		2.00	2.00	0	99.8	85	115	01/20/2011
Cadmium	0.0020		0.0507	0.0500	0	101.4	85	115	01/20/2011
Chromium	0.0100		0.214	0.200	0	107.2	85	115	01/20/2011
Selenium	0.0500		2.02	2.00	0	101.0	85	115	01/20/2011
Silver	0.0100		0.0513	0.0500	0	102.6	85	115	01/20/2011

Batch 65532 **SampType:** MS Units mg/L

SampID: 11010625-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.97	2.00	0	98.4	75	125	01/20/2011
Barium	0.0050		2.63	2.00	0.7593	93.5	75	125	01/20/2011
Cadmium	0.0020		0.0478	0.0500	0.0003000	95.0	75	125	01/20/2011
Chromium	0.0100		0.238	0.200	0.02830	104.8	75	125	01/20/2011
Selenium	0.0500		1.98	2.00	0	99.2	75	125	01/20/2011
Silver	0.0100		0.0451	0.0500	0	90.2	75	125	01/20/2011

Batch 65532 **SampType:** MSD Units mg/L

RPD Limit 20

SampID: 11010625-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		2.02	2.00	0	101.1	1.967	2.76	01/20/2011
Barium	0.0050		2.56	2.00	0.7593	90.1	2.630	2.62	01/20/2011
Cadmium	0.0020		0.0468	0.0500	0.0003000	93.0	0.04780	2.11	01/20/2011
Chromium	0.0100		0.241	0.200	0.02830	106.6	0.2379	1.46	01/20/2011
Selenium	0.0500		1.98	2.00	0	98.8	1.985	0.454	01/20/2011
Silver	0.0100		0.0484	0.0500	0	96.8	0.04510	7.06	01/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 65534		SampType: MBLK		Units mg/L							
SampID: MB-65534											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	01/20/2011	
Batch 65534		SampType: LCS		Units mg/L							
SampID: LCS-65534											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0155	0.0150	0	103.3	80	120	01/20/2011	
Batch 65534		SampType: MS		Units mg/L							
SampID: 11010625-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0154	0.0150	0.0005271	98.9	70	130	01/20/2011	
Batch 65534		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 11010625-001CMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0172	0.0150	0.0005271	111.1	0.01537	11.2	01/20/2011	

SW-846 7470A (TOTAL)

Batch 65544		SampType: MBLK		Units mg/L							
SampID: MB-65544											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	01/20/2011	
Batch 65544		SampType: LCS		Units mg/L							
SampID: LCS-65544											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00490	0.00500	0	98.0	85	115	01/20/2011	
Batch 65544		SampType: MS		Units mg/L							
SampID: 11010625-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00398	0.00500	0	79.6	75	125	01/20/2011	
Batch 65544		SampType: MSD		Units mg/L							RPD Limit 15
SampID: 11010625-001CMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Mercury		0.00020	S	0.00351	0.00500	0	70.2	0.003980	12.6	01/20/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	65530	SampType:	MBLK	Units mg/L						
SampID:		MB-65530								
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.00010		ND						01/20/2011
Acenaphthylene		0.00010		ND						01/20/2011
Anthracene		0.00010		ND						01/20/2011
Benzo(a)anthracene		0.00010		ND						01/20/2011
Benzo(a)pyrene		0.00010		ND						01/20/2011
Benzo(b)fluoranthene		0.00010		ND						01/20/2011
Benzo(g,h,i)perylene		0.00010		ND						01/20/2011
Benzo(k)fluoranthene		0.00010		ND						01/20/2011
Chrysene		0.00010		ND						01/20/2011
Dibenzo(a,h)anthracene		0.00010		ND						01/20/2011
Fluoranthene		0.00010		ND						01/20/2011
Fluorene		0.00010		ND						01/20/2011
Indeno(1,2,3-cd)pyrene		0.00010		ND						01/20/2011
Naphthalene		0.00010		ND						01/20/2011
Phenanthrene		0.00010		ND						01/20/2011
Pyrene		0.00010		ND						01/20/2011
Total PNAs except Naphthalene		0.00013		ND						01/20/2011
Surr: 2-Fluorobiphenyl				0.00359	0.00500		71.7	41.9	97.9	01/20/2011
Surr: 2-Fluorophenol				0.00458	0.0100		45.8	16.1	79.2	01/20/2011
Surr: Nitrobenzene-d5				0.00376	0.00500		75.1	39.9	106	01/20/2011
Surr: Phenol-d5				0.00278	0.0100		27.8	9.94	53.7	01/20/2011
Surr: p-Terphenyl-d14				0.00417	0.00500		83.4	53	116	01/20/2011

Batch 65530	SampType: LCS	Units mg/L							
SampID: LCS-65530									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Acenaphthene	0.00010		0.00460	0.00500	0	92.0	50.1	103	01/20/2011
Acenaphthylene	0.00010		0.00474	0.00500	0	94.9	53.3	122	01/20/2011
Anthracene	0.00010		0.00490	0.00500	0	97.9	57.4	110	01/20/2011
Benzo(a)anthracene	0.00010		0.00468	0.00500	0	93.6	56	102	01/20/2011
Benzo(a)pyrene	0.00010		0.00510	0.00500	0	102.0	55.4	125	01/20/2011
Benzo(b)fluoranthene	0.00010		0.00504	0.00500	0	100.8	59.3	127	01/20/2011
Benzo(g,h,i)perylene	0.00010		0.00529	0.00500	0	105.9	58.4	125	01/20/2011
Benzo(k)fluoranthene	0.00010		0.00531	0.00500	0	106.2	61.5	125	01/20/2011
Chrysene	0.00010		0.00517	0.00500	0	103.3	58.7	118	01/20/2011
Dibenzo(a,h)anthracene	0.00010		0.00536	0.00500	0	107.2	59.3	126	01/20/2011
Fluoranthene	0.00010		0.00528	0.00500	0	105.5	60.1	117	01/20/2011
Fluorene	0.00010		0.00474	0.00500	0	94.8	54.1	110	01/20/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00532	0.00500	0	106.4	58.1	123	01/20/2011
Naphthalene	0.00010		0.00416	0.00500	0	83.2	36.3	97.1	01/20/2011
Phenanthrene	0.00010		0.00492	0.00500	0	98.4	55.9	107	01/20/2011
Pyrene	0.00010		0.00519	0.00500	0	103.8	61.4	116	01/20/2011
Surr: 2-Fluorobiphenyl			0.00394	0.00500		78.7	41.9	97.9	01/20/2011
Surr: 2-Fluorophenol			0.00502	0.0100		50.2	16.1	79.2	01/20/2011
Surr: Nitrobenzene-d5			0.00407	0.00500		81.4	39.9	106	01/20/2011
Surr: Phenol-d5			0.00315	0.0100		31.5	9.94	53.7	01/20/2011
Surr: p-Terphenyl-d14			0.00462	0.00500		92.4	53	116	01/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65530		SampType: LCSD		Units mg/L		RPD Limit 50			
SampID: LCSD-65530									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.00010		0.00425	0.00500	0	85.1	0.004599	7.79	01/20/2011
Acenaphthylene	0.00010		0.00456	0.00500	0	91.2	0.004745	4.00	01/20/2011
Anthracene	0.00010		0.00460	0.00500	0	92.0	0.004897	6.21	01/20/2011
Benzo(a)anthracene	0.00010		0.00453	0.00500	0	90.6	0.004682	3.32	01/20/2011
Benzo(a)pyrene	0.00010		0.00481	0.00500	0	96.2	0.005099	5.79	01/20/2011
Benzo(b)fluoranthene	0.00010		0.00480	0.00500	0	96.0	0.005041	4.90	01/20/2011
Benzo(g,h,i)perylene	0.00010		0.00507	0.00500	0	101.4	0.005293	4.26	01/20/2011
Benzo(k)fluoranthene	0.00010		0.00497	0.00500	0	99.5	0.005311	6.55	01/20/2011
Chrysene	0.00010		0.00481	0.00500	0	96.1	0.005166	7.22	01/20/2011
Dibenzo(a,h)anthracene	0.00010		0.00511	0.00500	0	102.1	0.005360	4.83	01/20/2011
Fluoranthene	0.00010		0.00496	0.00500	0	99.1	0.005276	6.28	01/20/2011
Fluorene	0.00010		0.00445	0.00500	0	89.0	0.004738	6.22	01/20/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00506	0.00500	0	101.1	0.005321	5.11	01/20/2011
Naphthalene	0.00010		0.00430	0.00500	0	86.1	0.004160	3.40	01/20/2011
Phenanthrene	0.00010		0.00461	0.00500	0	92.2	0.004919	6.44	01/20/2011
Pyrene	0.00010		0.00479	0.00500	0	95.8	0.005191	8.08	01/20/2011
Surr: 2-Fluorobiphenyl			0.00389	0.00500		77.8			01/20/2011
Surr: 2-Fluorophenol			0.00456	0.0100		45.6			01/20/2011
Surr: Nitrobenzene-d5			0.00411	0.00500		82.1			01/20/2011
Surr: Phenol-d5			0.00288	0.0100		28.8			01/20/2011
Surr: p-Terphenyl-d14			0.00427	0.00500		85.5			01/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	65545	SampType:	MBLK	Units $\mu\text{g/L}$						
SampID: MBLK-R110119-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		ND						01/19/2011	
Ethylbenzene	5.0		ND						01/19/2011	
Toluene	5.0		ND						01/19/2011	
Xylenes, Total	5.0		ND						01/19/2011	
Surr: 1,2-Dichloroethane-d4			53.3	50.0		106.6	74.7	129	01/19/2011	
Surr: 4-Bromofluorobenzene			52.4	50.0		104.7	86	119	01/19/2011	
Surr: Dibromofluoromethane			53.8	50.0		107.7	81.7	123	01/19/2011	
Surr: Toluene-d8			46.4	50.0		92.9	84.3	114	01/19/2011	

Batch 65545		SampType: LCS		Units µg/L						
SampID: LCS-R110119-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		44.0	50.0	0	87.9	82.7	117	01/19/2011	
Ethylbenzene	5.0		44.4	50.0	0	88.7	83	113	01/19/2011	
Toluene	5.0		42.6	50.0	0	85.2	79.6	116	01/19/2011	
Xylenes, Total	5.0		139	150	0	92.4	80.3	120	01/19/2011	
Surr: 1,2-Dichloroethane-d4			54.5	50.0		109.1	74.7	129	01/19/2011	
Surr: 4-Bromofluorobenzene			51.3	50.0		102.7	86	119	01/19/2011	
Surr: Dibromofluoromethane			55.6	50.0		111.1	81.7	123	01/19/2011	
Surr: Toluene-d8			47.3	50.0		94.6	84.3	114	01/19/2011	

Batch 65545	SampType: LCSD	Units µg/L					RPD Limit 20			
SampID: LCSD-R110119-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		45.2	50.0	0	90.5	43.97	2.83	01/19/2011	
Ethylbenzene	5.0		44.8	50.0	0	89.6	44.35	1.05	01/19/2011	
Toluene	5.0		43.5	50.0	0	87.1	42.60	2.18	01/19/2011	
Xylenes, Total	5.0		142	150	0	94.4	138.6	2.22	01/19/2011	
Surr: 1,2-Dichloroethane-d4			53.6	50.0		107.2			01/19/2011	
Surr: 4-Bromofluorobenzene			52.4	50.0		104.8			01/19/2011	
Surr: Dibromofluoromethane			55.6	50.0		111.2			01/19/2011	
Surr: Toluene-d8			47.1	50.0		94.2			01/19/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65545		SampType: MS		Units µg/L						
SampID: 11010625-001EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		64.4	62.0	0.6200	102.8	57.8	125	01/19/2011	
Ethylbenzene	5.0		61.5	62.0	0	99.1	72.8	123	01/19/2011	
Toluene	5.0		60.5	62.0	0	97.5	75.8	123	01/19/2011	
Xylenes, Total	5.0		127	124	0	102.8	73	127	01/19/2011	
Surr: 1,2-Dichloroethane-d4			55.2	50.0		110.3	74.7	129	01/19/2011	
Surr: 4-Bromofluorobenzene			51.8	50.0		103.6	86	119	01/19/2011	
Surr: Dibromofluoromethane			54.6	50.0		109.2	81.7	123	01/19/2011	
Surr: Toluene-d8			47.0	50.0		94.1	84.3	114	01/19/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65545		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11010625-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		65.9	62.0	0.6200	105.2	64.37	2.30	01/19/2011	
Ethylbenzene	5.0		60.6	62.0	0	97.7	61.46	1.49	01/19/2011	
Toluene	5.0		61.0	62.0	0	98.4	60.48	0.872	01/19/2011	
Xylenes, Total	5.0		127	124	0	102.8	127.5	0	01/19/2011	
Surr: 1,2-Dichloroethane-d4			54.7	50.0		109.3			01/19/2011	
Surr: 4-Bromofluorobenzene			52.1	50.0		104.2			01/19/2011	
Surr: Dibromofluoromethane			56.4	50.0		112.9			01/19/2011	
Surr: Toluene-d8			46.2	50.0		92.4			01/19/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Locations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
City	Collinsville	City	Springfield	City	Lenexa
State	IL	State	IL	State	KS
Zip	62234-7425	Zip	62711-9415	Zip	66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	kmcclain@teklabinc.com	Email	dthompson@teklabinc.com

Accreditations

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2011	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Carrier: Terry Hattan

Received By: TWM

Completed by:

On:

19-Jan-11

Timothy W. Mathis

Reviewed by:

On:

20-Jan-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

11010625

COC Serial No. B 09969

Project Name: Champaign MGP		Project Mgr.: P. SAZAMA	
Project Number: 624-0808-0120		Cost Code: J0002	
Sampler(s): E. Ballog			
Laboratory	Name: Teklab		
Location: Collinsville			
Sample Number and (depth)	Date	Time	
6785 Treated	1-19-11	9:30 AM	
Matrix			
Soil		X	
Water			
Air			
Wipes			
Other *			
Total Number of Containers		7	
Analyses by Method Name and Number			
BTEX 8260		X	
SVOC 8270 SIM		X	
PCB METALS		X	
Total Amenable		X	
Cyanide		X	
TSS		X	
Pb		X	
BOD5		X	
Lab ID #'s		11010625.00	
Comments (Field PID)		RUSH *	
Res ✓ m 1-19-11			
O HENRISPACE m 1-19-11			
Laboratory Temperature upon Receipt		1.4	

Samples Iced:		☒ Yes	☐ No
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics	Hydrochloric acid (HCl)		
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol		
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)		
☒ Metals	Nitric acid (NaOH)		
☒ Cyanide	Sodium hydroxide		
☐ Other (Specify)			

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: PSAZAMA & L. HARRISON

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: _____

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Carrier / Airbill No.	Relinquished by:			Received by:		
	Signature	Date	Time	Signature	Date	Time
	<i>[Signature]</i>	1-19-11	12:20PM	<i>[Signature]</i>	1/19/11	12:20P
	<i>[Signature]</i>	1/19/11	3:45	<i>[Signature]</i>	1/19/11	1545
	<i>[Signature]</i>	1/19/11	1635	<i>[Signature]</i>	1-19-11	1635

Shaded Areas to be Completed by Lab

~~GREEN to sampler~~

PINK to QA/QC

CANARY to PM

ah

Distribution: WHITE
PE-179 (6/03)

January 27, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11010701

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 1/21/2011 1:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Locations and Accreditations	17
Receiving Check List	18
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |



Case Narrative

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Cooler Receipt Temp: 4.2 °C

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Lab ID: 11010701-001

Client Sample ID: 4091 Treated

Matrix: AQUEOUS

Collection Date: 01/21/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.47		1	01/21/2011 14:45	R144831
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	01/24/2011 8:00	R144869
STANDARD METHODS 18TH ED. 5210 B								
Laboratory control sample did not recover within QC limits. LCS recovered outside of the acceptable range at 72.22%. The acceptable range is 84.6% to 115.4%.								
Biochemical Oxygen Demand	NELAP	5	S	73	mg/L	1	01/21/2011 16:10	65575
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	01/24/2011 9:12	R144872
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028		0.068	mg/L	4	01/24/2011 9:12	R144872
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	01/24/2011 11:02	65570
Barium	NELAP	0.0050		0.592	mg/L	1	01/24/2011 11:02	65570
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	01/24/2011 11:02	65570
Chromium	NELAP	0.0100		0.0138	mg/L	1	01/24/2011 11:45	65570
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	01/24/2011 11:02	65570
Silver	NELAP	0.0100		< 0.0100	mg/L	1	01/24/2011 11:45	65570
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	01/24/2011 10:19	65569
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	01/24/2011 13:30	65586
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Acenaphthylene	NELAP	0.00010		0.00011	mg/L	1	01/24/2011 11:02	65547
Anthracene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Chrysene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Fluoranthene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Fluorene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Naphthalene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Phenanthrene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Pyrene	NELAP	0.00010		ND	mg/L	1	01/24/2011 11:02	65547
Total PNAs except Naphthalene		0.00013	J	0.00011	mg/L	1	01/24/2011 11:02	65547
Surr: 2-Fluorobiphenyl		41.1-108		69.5	%REC	1	01/24/2011 11:02	65547
Surr: 2-Fluorophenol		16.8-65.9		36.0	%REC	1	01/24/2011 11:02	65547
Surr: Nitrobenzene-d5		37.6-105		77.2	%REC	1	01/24/2011 11:02	65547
Surr: Phenol-d5		11-42.8		21.0	%REC	1	01/24/2011 11:02	65547
Surr: p-Terphenyl-d14		49-113		74.1	%REC	1	01/24/2011 11:02	65547
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	0.5	µg/L	1	01/21/2011 16:04	65571



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Lab ID: 11010701-001

Client Sample ID: 4091 Treated

Matrix: AQUEOUS

Collection Date: 01/21/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	01/21/2011 16:04	65571
Toluene	NELAP	5.0		ND	µg/L	1	01/21/2011 16:04	65571
Xylenes, Total	NELAP	5.0		ND	µg/L	1	01/21/2011 16:04	65571
Surr: 1,2-Dichloroethane-d4		74.7-129		103.3	%REC	1	01/21/2011 16:04	65571
Surr: 4-Bromofluorobenzene		86-119		103.8	%REC	1	01/21/2011 16:04	65571
Surr: Dibromofluoromethane		81.7-123		102.6	%REC	1	01/21/2011 16:04	65571
Surr: Toluene-d8		84.3-114		96.8	%REC	1	01/21/2011 16:04	65571



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11010701-001	4091 Treated	Aqueous	5	01/21/2011 9:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11010701-001A	4091 Treated	01/21/2011 9:00	1/21/2011 1:20:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		01/21/2011 16:18	01/24/2011 11:02
11010701-001B	4091 Treated	01/21/2011 9:00	1/21/2011 1:20:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/21/2011 14:45
	Standard Methods 18th Ed. 2540 D		01/24/2011 8:00	01/24/2011 8:00
	Standard Methods 18th Ed. 5210 B		01/21/2011 16:10	01/21/2011 16:10
11010701-001C	4091 Treated	01/21/2011 9:00	1/21/2011 1:20:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		01/21/2011 14:20	01/24/2011 11:02
	SW-846 3005A, 6010B, Metals by ICP (Total)		01/21/2011 14:20	01/24/2011 11:45
	SW-846 3020A, Metals by GFAA (Total)		01/21/2011 14:18	01/24/2011 10:19
	SW-846 7470A (Total)		01/24/2011 8:30	01/24/2011 13:30
11010701-001D	4091 Treated	01/21/2011 9:00	1/21/2011 1:20:00 PM	
	SW-846 9012A			01/24/2011 9:12
	SW-846 9012A (Total)			01/24/2011 9:12
11010701-001E	4091 Treated	01/21/2011 9:00	1/21/2011 1:20:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			01/21/2011 16:04



Quality Control Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R144831 SampType: LCS

Units

SampID: LCS-R144831

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH	1.00		7.01	7.00	0	100.1	99.1	100.9	01/21/2011

Batch R144831 SampType: DUP

Units

RPD Limit 10

SampID: 11010701-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		9.50				9.470	0.316	01/21/2011

STANDARD METHODS 18TH ED. 2540 D

Batch R144869 SampType: MBLK

Units mg/L

SampID: MB-R144869

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		< 6						01/24/2011
Total Suspended Solids	6		< 6						01/24/2011

Batch R144869 SampType: LCS

Units mg/L

SampID: LCS-R144869

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		106	100	0	106.0	85	115	01/24/2011
Total Suspended Solids	6		91	100	0	91.0	85	115	01/24/2011
Total Suspended Solids	6		96	100	0	96.0	85	115	01/24/2011

Batch R144869 SampType: DUP

Units mg/L

RPD Limit 15

SampID: 11010701-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	6		< 6				0	0	01/24/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 65575 SampType: LCS

Units mg/L

SampID: LCS-65575

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand	5	S	143	198	0	72.2	84.6	115.4	01/21/2011

Batch 65575 SampType: DUP

Units mg/L

RPD Limit 40

SampID: 11010701-001B-DUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand	5		62				73.00	16.3	01/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 9012A (TOTAL)

Batch R144872		SampType: MBLK		Units mg/L						
SampID: MB-R144872										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide	0.007		< 0.007						01/24/2011	
Cyanide	0.007		< 0.007						01/24/2011	

Batch R144872		SampType: LCS		Units mg/L						
SampID: LCS-R144872										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		0.026	0.025	0	104.1	85	115	01/24/2011
Cyanide		0.007		0.025	0.025	0	100.8	85	115	01/24/2011

Batch R144872		SampType: MS		Units mg/L						
SampID: 11010701-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.028		0.094	0.025	0.06827	102.4	75	125	01/24/2011

Batch R144872		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11010701-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028		0.092	0.025	0.06827	94.5	0.09386	2.12	01/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 65570 **SampType:** MBLK **Units** mg/L

SampID: MB-65570

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	01/24/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	01/24/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	01/24/2011
Chromium	0.0100	J	0.0076	0.0100	0	76.0	-100	100	01/24/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	01/24/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	01/24/2011

Batch 65570 **SampType:** LCS **Units** mg/L

SampID: LCS-65570

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.10	2.00	0	105.2	85	115	01/24/2011
Barium	0.0050		1.99	2.00	0	99.3	85	115	01/24/2011
Cadmium	0.0020		0.0516	0.0500	0	103.2	85	115	01/24/2011
Chromium	0.0100		0.201	0.200	0	100.4	85	115	01/24/2011
Selenium	0.0500		2.07	2.00	0	103.6	85	115	01/24/2011
Silver	0.0100		0.0516	0.0500	0	103.2	85	115	01/24/2011

Batch 65570 **SampType:** MS **Units** mg/L

SampID: 11010701-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.08	2.00	0	103.8	75	125	01/24/2011
Barium	0.0050		2.37	2.00	0.5917	89.0	75	125	01/24/2011
Cadmium	0.0020		0.0475	0.0500	0	95.0	75	125	01/24/2011
Chromium	0.0100		0.181	0.200	0.01380	83.8	75	125	01/24/2011
Selenium	0.0500		2.04	2.00	0	101.8	75	125	01/24/2011
Silver	0.0100		0.0539	0.0500	0	107.8	75	125	01/24/2011

Batch 65570 **SampType:** MSD **Units** mg/L

RPD Limit 20
SampID: 11010701-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		2.01	2.00	0	100.6	2.075	3.08	01/24/2011
Barium	0.0050		2.35	2.00	0.5917	87.8	2.371	1.02	01/24/2011
Cadmium	0.0020		0.0469	0.0500	0	93.8	0.04750	1.27	01/24/2011
Chromium	0.0100		0.179	0.200	0.01380	82.6	0.1814	1.39	01/24/2011
Selenium	0.0500		1.99	2.00	0	99.3	2.035	2.44	01/24/2011
Silver	0.0100		0.0518	0.0500	0	103.6	0.05390	3.97	01/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 65569		SampType: MBLK		Units mg/L							
SampID: MB-65569											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	01/24/2011	
Batch 65569		SampType: LCS		Units mg/L							
SampID: LCS-65569											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0142	0.0150	0	94.7	80	120	01/24/2011	
Batch 65569		SampType: MS		Units mg/L							
SampID: 11010701-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0130	0.0150	0	86.7	70	130	01/24/2011	
Batch 65569		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 11010701-001CMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0114	0.0150	0	76.1	0.01301	13.1	01/24/2011	

SW-846 7470A (TOTAL)

Batch 65586		SampType: MBLK		Units mg/L							
SampID: MB-65586											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	01/24/2011	
Batch 65586		SampType: LCS		Units mg/L							
SampID: LCS-65586											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00537	0.00500	0	107.4	85	115	01/24/2011	
Batch 65586		SampType: MS		Units mg/L							
SampID: 11010701-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00512	0.00500	0	102.4	75	125	01/24/2011	
Batch 65586		SampType: MSD		Units mg/L							RPD Limit 15
SampID: 11010701-001CMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Mercury		0.00020		0.00519	0.00500	0	103.8	0.005120	1.36	01/24/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65547		SampType: MBLK		Units mg/L						
SampID: MB-65547										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						01/21/2011	
Acenaphthylene	0.00010		ND						01/21/2011	
Anthracene	0.00010		ND						01/21/2011	
Benzo(a)anthracene	0.00010		ND						01/21/2011	
Benzo(a)pyrene	0.00010		ND						01/21/2011	
Benzo(b)fluoranthene	0.00010		ND						01/21/2011	
Benzo(g,h,i)perylene	0.00010		ND						01/21/2011	
Benzo(k)fluoranthene	0.00010		ND						01/21/2011	
Chrysene	0.00010		ND						01/21/2011	
Dibenzo(a,h)anthracene	0.00010		ND						01/21/2011	
Fluoranthene	0.00010		ND						01/21/2011	
Fluorene	0.00010		ND						01/21/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						01/21/2011	
Naphthalene	0.00010		ND						01/21/2011	
Phenanthrene	0.00010		ND						01/21/2011	
Pyrene	0.00010		ND						01/21/2011	
Total PNAs except Naphthalene	0.00013		ND						01/21/2011	
Surr: 2-Fluorobiphenyl			0.00315	0.00500		63.0	41.9	97.9	01/21/2011	
Surr: 2-Fluorophenol			0.00454	0.0100		45.4	16.1	79.2	01/21/2011	
Surr: Nitrobenzene-d5			0.00364	0.00500		72.8	39.9	106	01/21/2011	
Surr: Phenol-d5			0.00276	0.0100		27.6	9.94	53.7	01/21/2011	
Surr: p-Terphenyl-d14			0.00383	0.00500		76.5	53	116	01/21/2011	

Batch 65547	SampType: LCS	Units mg/L							
SampID: LCS-65547									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		0.00391	0.00500	0	78.2	50.1	103	01/21/2011
Acenaphthylene	0.00010		0.00408	0.00500	0	81.6	53.3	122	01/21/2011
Anthracene	0.00010		0.00422	0.00500	0	84.4	57.4	110	01/21/2011
Benzo(a)anthracene	0.00010		0.00404	0.00500	0	80.8	56	102	01/21/2011
Benzo(a)pyrene	0.00010		0.00438	0.00500	0	87.5	55.4	125	01/21/2011
Benzo(b)fluoranthene	0.00010		0.00435	0.00500	0	86.9	59.3	127	01/21/2011
Benzo(g,h,i)perylene	0.00010		0.00568	0.00500	0	113.7	58.4	125	01/21/2011
Benzo(k)fluoranthene	0.00010		0.00438	0.00500	0	87.6	61.5	125	01/21/2011
Chrysene	0.00010		0.00429	0.00500	0	85.7	58.7	118	01/21/2011
Dibenzo(a,h)anthracene	0.00010		0.00533	0.00500	0	106.6	59.3	126	01/21/2011
Fluoranthene	0.00010		0.00438	0.00500	0	87.6	60.1	117	01/21/2011
Fluorene	0.00010		0.00398	0.00500	0	79.5	54.1	110	01/21/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00540	0.00500	0	108.1	58.1	123	01/21/2011
Naphthalene	0.00010		0.00398	0.00500	0	79.6	36.3	97.1	01/21/2011
Phenanthrene	0.00010		0.00412	0.00500	0	82.5	55.9	107	01/21/2011
Pyrene	0.00010		0.00426	0.00500	0	85.3	61.4	116	01/21/2011
Surr: 2-Fluorobiphenyl			0.00343	0.00500		68.6	41.9	97.9	01/21/2011
Surr: 2-Fluorophenol			0.00458	0.0100		45.8	16.1	79.2	01/21/2011
Surr: Nitrobenzene-d5			0.00388	0.00500		77.7	39.9	106	01/21/2011
Surr: Phenol-d5			0.00289	0.0100		28.9	9.94	53.7	01/21/2011
Surr: p-Terphenyl-d14			0.00384	0.00500		76.7	53	116	01/21/2011



Quality Control Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	65547	SampType:	LCSD	Units	mg/L	RPD Limit	50		
SampID:	LCSD-65547								
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.00010		0.00399	0.00500	0	79.8	0.003912	2.00	01/21/2011
Acenaphthylene	0.00010		0.00412	0.00500	0	82.4	0.004078	0.976	01/21/2011
Anthracene	0.00010		0.00428	0.00500	0	85.7	0.004219	1.51	01/21/2011
Benzo(a)anthracene	0.00010		0.00404	0.00500	0	80.8	0.004038	0.0990	01/21/2011
Benzo(a)pyrene	0.00010		0.00447	0.00500	0	89.4	0.004376	2.15	01/21/2011
Benzo(b)fluoranthene	0.00010		0.00434	0.00500	0	86.9	0.004346	0.0460	01/21/2011
Benzo(g,h,i)perylene	0.00010		0.00583	0.00500	0	116.6	0.005684	2.57	01/21/2011
Benzo(k)fluoranthene	0.00010		0.00460	0.00500	0	92.0	0.004378	4.92	01/21/2011
Chrysene	0.00010		0.00424	0.00500	0	84.9	0.004287	1.03	01/21/2011
Dibenzo(a,h)anthracene	0.00010		0.00531	0.00500	0	106.2	0.005331	0.432	01/21/2011
Fluoranthene	0.00010		0.00449	0.00500	0	89.7	0.004380	2.39	01/21/2011
Fluorene	0.00010		0.00396	0.00500	0	79.2	0.003977	0.454	01/21/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00539	0.00500	0	107.8	0.005405	0.315	01/21/2011
Naphthalene	0.00010		0.00397	0.00500	0	79.4	0.003980	0.302	01/21/2011
Phenanthrene	0.00010		0.00419	0.00500	0	83.9	0.004123	1.68	01/21/2011
Pyrene	0.00010		0.00429	0.00500	0	85.8	0.004264	0.655	01/21/2011
Surr: 2-Fluorobiphenyl			0.00338	0.00500		67.6			01/21/2011
Surr: 2-Fluorophenol			0.00438	0.0100		43.8			01/21/2011
Surr: Nitrobenzene-d5			0.00360	0.00500		72.0			01/21/2011
Surr: Phenol-d5			0.00269	0.0100		26.9			01/21/2011
Surr: p-Terphenyl-d14			0.00394	0.00500		78.7			01/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65571		SampType: MBLK		Units µg/L						
SampID: MBLK-N110121-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		ND							01/21/2011
Ethylbenzene	5.0		ND							01/21/2011
Toluene	5.0		ND							01/21/2011
Xylenes, Total	5.0		ND							01/21/2011
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.2	74.7	129		01/21/2011
Surr: 4-Bromofluorobenzene			52.0	50.0		104.0	86	119		01/21/2011
Surr: Dibromofluoromethane			51.2	50.0		102.3	81.7	123		01/21/2011
Surr: Toluene-d8			48.0	50.0		95.9	84.3	114		01/21/2011

Batch 65571		SampType: LCS		Units µg/L						
SampID: LCS-N110121-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		46.1	50.0	0	92.2	82.7	117	01/21/2011	
Ethylbenzene	5.0		45.6	50.0	0	91.1	83	113	01/21/2011	
Toluene	5.0		45.1	50.0	0	90.1	79.6	116	01/21/2011	
Xylenes, Total	5.0		136	150	0	90.7	80.3	120	01/21/2011	
Surr: 1,2-Dichloroethane-d4			52.6	50.0		105.1	74.7	129	01/21/2011	
Surr: 4-Bromofluorobenzene			52.1	50.0		104.2	86	119	01/21/2011	
Surr: Dibromofluoromethane			52.9	50.0		105.8	81.7	123	01/21/2011	
Surr: Toluene-d8			48.0	50.0		96.0	84.3	114	01/21/2011	

Batch 65571		SampType: LCSD		Units µg/L				RPD Limit 20		
SampID: LCSD-N110121-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		45.0	50.0	0	90.0	46.08	2.35	01/21/2011	
Ethylbenzene	5.0		45.2	50.0	0	90.4	45.57	0.860	01/21/2011	
Toluene	5.0		45.3	50.0	0	90.6	45.07	0.465	01/21/2011	
Xylenes, Total	5.0		137	150	0	91.4	136.0	0.784	01/21/2011	
Surr: 1,2-Dichloroethane-d4			51.3	50.0		102.6			01/21/2011	
Surr: 4-Bromofluorobenzene			52.7	50.0		105.3			01/21/2011	
Surr: Dibromofluoromethane			51.8	50.0		103.6			01/21/2011	
Surr: Toluene-d8			48.8	50.0		97.7			01/21/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65571		SampType: MS		Units µg/L						
SampID: 11010701-001EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		45.0	48.0	0.5100	92.6	57.8	125	01/21/2011	
Ethylbenzene	5.0		52.0	48.0	0	108.4	72.8	123	01/21/2011	
Toluene	5.0		48.8	48.0	0	101.7	75.8	123	01/21/2011	
Xylenes, Total	5.0		103	96.0	0	107.3	73	127	01/21/2011	
Surr: 1,2-Dichloroethane-d4			51.8	50.0		103.6	74.7	129	01/21/2011	
Surr: 4-Bromofluorobenzene			51.7	50.0		103.4	86	119	01/21/2011	
Surr: Dibromofluoromethane			52.1	50.0		104.2	81.7	123	01/21/2011	
Surr: Toluene-d8			48.7	50.0		97.5	84.3	114	01/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 65571		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11010701-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		45.5	48.0	0.5100	93.7	44.98	1.08	01/21/2011	
Ethylbenzene	5.0		52.1	48.0	0	108.5	52.02	0.0769	01/21/2011	
Toluene	5.0		49.4	48.0	0	103.0	48.80	1.28	01/21/2011	
Xylenes, Total	5.0		106	96.0	0	110.9	103.0	3.30	01/21/2011	
Surr: 1,2-Dichloroethane-d4			52.2	50.0		104.3			01/21/2011	
Surr: 4-Bromofluorobenzene			50.6	50.0		101.2			01/21/2011	
Surr: Dibromofluoromethane			51.8	50.0		103.5			01/21/2011	
Surr: Toluene-d8			48.3	50.0		96.6			01/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Locations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road
City	Collinsville	City	Springfield	City	Lenexa
State	IL	State	IL	State	KS
Zip	62234-7425	Zip	62711-9415	Zip	66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	kmcclain@teklabinc.com	Email	dthompson@teklabinc.com

Accreditations

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2011	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11010701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 27-Jan-11

Carrier: Ed Ballog

Received By: DB

Completed by:

On:

21-Jan-11

Dawn Brantley

Reviewed by:

On:

21-Jan-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09971

11010701

Project Name: Champaign MGP Project Mgr.: P. SAZAMA

Project Number: 624-0608-0120 Cost Code: J0002

Sampler(s): E. Belley

Laboratory Name: Teklab

Location: Collinsville

Sample Number and (depth)

4091 Treated

Date 1-21-11 9:00 AM

Time

Matrix

Soil

Water

Air

Wipes

Other *

Total Number of Containers

Analyses by Method Name and Number

BTX 8260

SVOC 8270.5m

ACRA METALS

Total Heavy Metals

TS

pH

BOO's

Comments (Field PID)

Rush

Lab ID #'s

11010701

Laboratory Temperature upon Receipt

4.2

ICE

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics

☐ VOC Soil (5035)

☐ TPH

☒ Metals

☒ Cyanide

☐ Other (Specify)

Hydrochloric acid (HCl)

Sodium Bisulfate/Methanol

Hydrochloric acid and/or Sulfuric acid (HNO₃)

Nitric acid (NaOH)

Sodium hydroxide

Lab Directives:

Requested TAT: ☒ Rush

Fax and/or Mail Results to: P. SAZAMA + L. HOLLER

Send Invoice to:

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

February 22, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11020625

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/16/2011 6:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Cooler Receipt Temp: 2.0 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	2/28/2011	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Lab ID: 11020625-001

Client Sample ID: 4091 Treated 2-16-11

Matrix: AQUEOUS

Collection Date: 02/16/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.50		1	02/17/2011 15:45	R145828
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	02/17/2011 11:40	R145829
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		50	mg/L	1	02/17/2011 15:40	66098
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		Interference	mg/L	5	02/18/2011 10:00	R145890
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035		0.082	mg/L	5	02/18/2011 10:00	R145890
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	02/17/2011 13:48	66061
Barium	NELAP	0.0050		0.542	mg/L	1	02/17/2011 13:48	66061
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/17/2011 13:48	66061
Chromium	NELAP	0.0100		0.0175	mg/L	1	02/17/2011 13:48	66061
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	02/17/2011 13:48	66061
Silver	NELAP	0.0100		< 0.0100	mg/L	1	02/17/2011 13:48	66061
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0012	mg/L	1	02/17/2011 11:41	66064
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/17/2011 9:50	66049
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Anthracene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Chrysene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Fluoranthene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Fluorene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Naphthalene	NELAP	0.00010		0.00042	mg/L	1	02/17/2011 11:22	66065
Phenanthrene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Pyrene	NELAP	0.00010		ND	mg/L	1	02/17/2011 11:22	66065
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	02/17/2011 11:22	66065
Surr: 2-Fluorobiphenyl		41.1-108		61.1	%REC	1	02/17/2011 11:22	66065
Surr: 2-Fluorophenol		16.8-65.9		42.3	%REC	1	02/17/2011 11:22	66065
Surr: Nitrobenzene-d5		37.6-105		64.6	%REC	1	02/17/2011 11:22	66065
Surr: Phenol-d5		11-42.8		24.1	%REC	1	02/17/2011 11:22	66065
Surr: p-Terphenyl-d14		49-113		82.1	%REC	1	02/17/2011 11:22	66065
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	1.0	µg/L	1	02/17/2011 19:11	66115
Ethylbenzene	NELAP	5.0		ND	µg/L	1	02/17/2011 19:11	66115

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Lab ID: 11020625-001

Client Sample ID: 4091 Treated 2-16-11

Matrix: AQUEOUS

Collection Date: 02/16/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	02/17/2011 19:11	66115
Xylenes, Total	NELAP	5.0		ND	µg/L	1	02/17/2011 19:11	66115
Surr: 1,2-Dichloroethane-d4		74.7-129		92.5	%REC	1	02/17/2011 19:11	66115
Surr: 4-Bromofluorobenzene		86-119		100.8	%REC	1	02/17/2011 19:11	66115
Surr: Dibromofluoromethane		81.7-123		100	%REC	1	02/17/2011 19:11	66115
Surr: Toluene-d8		84.3-114		96.9	%REC	1	02/17/2011 19:11	66115
<i>Marginal Exceedance for Toluene, LCS is verified per NELAC Appendix D 1.1.2</i>								



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11020625-001	4091 Treated 2-16-11	Aqueous	5	02/16/2011 8:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11020625-001A	4091 Treated 2-16-11	02/16/2011 8:30	2/16/2011 6:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		02/16/2011 19:58	02/17/2011 11:22
11020625-001B	4091 Treated 2-16-11	02/16/2011 8:30	2/16/2011 6:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			02/17/2011 15:45
	Standard Methods 18th Ed. 2540 D			02/17/2011 11:40
	Standard Methods 18th Ed. 5210 B		02/17/2011 15:40	02/17/2011 15:40
11020625-001C	4091 Treated 2-16-11	02/16/2011 8:30	2/16/2011 6:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		02/16/2011 19:27	02/17/2011 13:48
	SW-846 3020A, Metals by GFAA (Total)		02/16/2011 19:32	02/17/2011 11:41
	SW-846 7470A (Total)		02/17/2011 9:00	02/17/2011 9:50
11020625-001D	4091 Treated 2-16-11	02/16/2011 8:30	2/16/2011 6:00:00 PM	
	SW-846 9012A			02/18/2011 10:00
	SW-846 9012A (Total)			02/18/2011 10:00
11020625-001E	4091 Treated 2-16-11	02/16/2011 8:30	2/16/2011 6:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/17/2011 19:11

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R145828		SampType: LCS		Units							
SampID: LCS-R145828											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	02/17/2011	

Batch R145828		SampType: DUP		Units				RPD Limit 10			
SampID: 11020625-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.52				7.500	0.27	02/17/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R145829		SampType: MBLK		Units mg/L							
SampID: MB-R145829											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						02/17/2011	

Batch R145829		SampType: LCS		Units mg/L						
SampID: LCS-R145829										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		92	100	0	92.0	85	115	02/17/2011
Total Suspended Solids		6		95	100	0	95.0	85	115	02/17/2011

Batch R145829		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11020625-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	02/17/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66098		SampType: LCS		Units mg/L							
SampID: LCS-66098											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		202	198	0	102.0	84.6	115.4	02/17/2011	

Batch 66098		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11020625-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		50				50.00	0.00	02/17/2011	

SW-846 9012A (TOTAL)

Batch R145890		SampType: MBLK		Units mg/L						
SampID: MB-R145890										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						02/18/2011
Cyanide		0.007		< 0.007						02/18/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

SW-846 9012A (TOTAL)

Batch R145890		SampType: LCS		Units mg/L						
SampID: LCS-R145890										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.025	0.025	0	99.9	85	115	02/18/2011	
Cyanide	0.007		0.024	0.025	0	94.8	90	110	02/18/2011	

Batch R145890		SampType: MS		Units mg/L						
SampID: 11020625-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.035		0.102	0.025	0.08219	78.7	75	125	02/18/2011

Batch R145890		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11020625-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035		0.108	0.025	0.08219	103.6	0.1019	5.94	02/18/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66061		SampType: MBLK		Units mg/L							
SampID: MB-66061											Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed		
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	02/17/2011		
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	02/17/2011		
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/17/2011		
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	02/17/2011		
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	02/17/2011		
Silver	0.0100	J	0.0060	0.0100	0	60.0	-100	100	02/17/2011		
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/17/2011		

Batch 66061		SampType: LCS		Units mg/L						
SampID: LCS-66061										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.88	2.00	0	94.2	85	115	02/17/2011	
Barium	0.0050		1.83	2.00	0	91.7	85	115	02/17/2011	
Cadmium	0.0020		0.0481	0.0500	0	96.2	85	115	02/17/2011	
Chromium	0.0100		0.190	0.200	0	94.8	85	115	02/17/2011	
Selenium	0.0500		1.91	2.00	0	95.4	85	115	02/17/2011	
Silver	0.0100		0.0465	0.0500	0	93.0	85	115	02/17/2011	
Silver	0.0100		0.0498	0.0500	0	99.6	85	115	02/17/2011	

Batch 66061		SampType: MS		Units mg/L							
SampID: 11020625-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic		0.0250		1.79	2.00	0	89.7	75	125	02/17/2011	
Barium		0.0050		2.18	2.00	0.5419	81.8	75	125	02/17/2011	
Cadmium		0.0020		0.0433	0.0500	0	86.6	75	125	02/17/2011	
Chromium		0.0100		0.196	0.200	0.01750	89.5	75	125	02/17/2011	
Selenium		0.0500		1.82	2.00	0	90.8	75	125	02/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66061		SampType: MS		Units mg/L						
SampID: 11020625-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Silver		0.0100		0.0484	0.0500	0	96.8	75	125	02/17/2011

Batch 66061		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11020625-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		1.85	2.00	0	92.4	1.794	2.91	02/17/2011
Barium		0.0050		2.15	2.00	0.5419	80.3	2.177	1.34	02/17/2011
Cadmium		0.0020		0.0437	0.0500	0	87.4	0.04330	0.92	02/17/2011
Chromium		0.0100		0.190	0.200	0.01750	86.3	0.1965	3.31	02/17/2011
Selenium		0.0500		1.80	2.00	0	90.0	1.817	0.88	02/17/2011
Silver		0.0100		0.0425	0.0500	0	85.0	0.04840	12.98	02/17/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66064		SampType: MBLK		Units mg/L							
SampID: MB-66064											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020	J	0.0007	0.0020	0	35.2	-100	100	02/17/2011	

Batch 66064		SampType: LCS		Units mg/L						
SampID: LCS-66064										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0168	0.0150	0	111.7	80	120	02/17/2011

Batch 66064		SampType: MS		Units mg/L						
SampID: 11020625-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0136	0.0150	0.001199	82.6	70	130	02/17/2011

Batch 66064		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11020625-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0142	0.0150	0.001199	87.0	0.01358	4.73	02/17/2011

SW-846 7470A (TOTAL)

Batch 66049		SampType: MBLK		Units mg/L						
SampID: MB-66049										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	02/17/2011

Batch 66049		SampType: LCS		Units mg/L						
SampID: LCS-66049										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00480	0.00500	0	96.0	85	115	02/17/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

SW-846 7470A (TOTAL)

Batch 66049		SampType: LCS		Units mg/L						
SampID: LCS-66049										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed

Batch 66049		SampType: MS		Units mg/L							
SampID: 11020625-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00474	0.00500	0	94.8	75	125	02/17/2011	

Batch 66049		SampType: MSD	Units mg/L				RPD Limit 15			
SampID: 11020625-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00472	0.00500	0	94.4	0.004740	0.42	02/17/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66065	SampType: MBLK	Units mg/L								
SampID: MB-66065										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						02/17/2011	
Acenaphthylene	0.00010		ND						02/17/2011	
Anthracene	0.00010		ND						02/17/2011	
Benzo(a)anthracene	0.00010		ND						02/17/2011	
Benzo(a)pyrene	0.00010		ND						02/17/2011	
Benzo(b)fluoranthene	0.00010		ND						02/17/2011	
Benzo(g,h,i)perylene	0.00010		ND						02/17/2011	
Benzo(k)fluoranthene	0.00010		ND						02/17/2011	
Chrysene	0.00010		ND						02/17/2011	
Dibenzo(a,h)anthracene	0.00010		ND						02/17/2011	
Fluoranthene	0.00010		ND						02/17/2011	
Fluorene	0.00010		ND						02/17/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						02/17/2011	
Naphthalene	0.00010		ND						02/17/2011	
Phenanthrene	0.00010		ND						02/17/2011	
Pyrene	0.00010		ND						02/17/2011	
Surr: 2-Fluorobiphenyl			0.00286	0.00500		57.1	41.9	97.9	02/17/2011	
Surr: 2-Fluorophenol			0.00393	0.0100		39.3	16.1	79.2	02/17/2011	
Surr: Nitrobenzene-d5			0.00313	0.00500		62.5	39.9	106	02/17/2011	
Surr: Phenol-d5			0.00245	0.0100		24.5	9.94	53.7	02/17/2011	
Surr: p-Terphenyl-d14			0.00427	0.00500		85.4	53	116	02/17/2011	

Batch 66065		SampType: LCS		Units mg/L					
SampID: LCS-66065									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Acenaphthene	0.00010		0.00410	0.00500	0	82.1	50.1	103	02/17/2011
Acenaphthylene	0.00010		0.00393	0.00500	0	78.6	53.3	122	02/17/2011
Anthracene	0.00010		0.00395	0.00500	0	79.0	57.4	110	02/17/2011
Benzo(a)anthracene	0.00010		0.00338	0.00500	0	67.7	56	102	02/17/2011
Benzo(a)pyrene	0.00010		0.00378	0.00500	0	75.5	55.4	125	02/17/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66065		SampType: LCS		Units mg/L						
SampID: LCS-66065										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(b)fluoranthene	0.00010		0.00378	0.00500	0	75.5	59.3	127	02/17/2011	
Benzo(g,h,i)perylene	0.00010		0.00386	0.00500	0	77.3	58.4	125	02/17/2011	
Benzo(k)fluoranthene	0.00010		0.00335	0.00500	0	66.9	61.5	125	02/17/2011	
Chrysene	0.00010		0.00370	0.00500	0	74.0	58.7	118	02/17/2011	
Dibenzo(a,h)anthracene	0.00010		0.00390	0.00500	0	77.9	59.3	126	02/17/2011	
Fluoranthene	0.00010		0.00409	0.00500	0	81.8	60.1	117	02/17/2011	
Fluorene	0.00010		0.00395	0.00500	0	79.0	54.1	110	02/17/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00392	0.00500	0	78.4	58.1	123	02/17/2011	
Naphthalene	0.00010		0.00382	0.00500	0	76.4	36.3	97.1	02/17/2011	
Phenanthrene	0.00010		0.00391	0.00500	0	78.2	55.9	107	02/17/2011	
Pyrene	0.00010		0.00404	0.00500	0	80.8	61.4	116	02/17/2011	
Surr: 2-Fluorobiphenyl			0.00335	0.00500		66.9	41.9	97.9	02/17/2011	
Surr: 2-Fluorophenol			0.00438	0.0100		43.8	16.1	79.2	02/17/2011	
Surr: Nitrobenzene-d5			0.00346	0.00500		69.2	39.9	106	02/17/2011	
Surr: Phenol-d5			0.00270	0.0100		27.0	9.94	53.7	02/17/2011	
Surr: p-Terphenyl-d14			0.00459	0.00500		91.7	53	116	02/17/2011	

Batch 66065	SampType: LCSD	Units mg/L					RPD Limit 50			
SampID: LCSD-66065										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00394	0.00500	0	78.8	0.004103	4.05		02/17/2011
Acenaphthylene	0.00010		0.00403	0.00500	0	80.5	0.003931	2.39		02/17/2011
Anthracene	0.00010		0.00350	0.00500	0	70.0	0.003949	12.11		02/17/2011
Benzo(a)anthracene	0.00010		0.00344	0.00500	0	68.9	0.003385	1.70		02/17/2011
Benzo(a)pyrene	0.00010		0.00371	0.00500	0	74.3	0.003775	1.66		02/17/2011
Benzo(b)fluoranthene	0.00010		0.00380	0.00500	0	76.1	0.003777	0.69		02/17/2011
Benzo(g,h,i)perylene	0.00010		0.00386	0.00500	0	77.1	0.003864	0.23		02/17/2011
Benzo(k)fluoranthene	0.00010		0.00407	0.00500	0	81.4	0.003346	19.50		02/17/2011
Chrysene	0.00010		0.00364	0.00500	0	72.9	0.003702	1.55		02/17/2011
Dibenzo(a,h)anthracene	0.00010		0.00389	0.00500	0	77.9	0.003897	0.10		02/17/2011
Fluoranthene	0.00010		0.00369	0.00500	0	73.8	0.004088	10.18		02/17/2011
Fluorene	0.00010		0.00410	0.00500	0	82.0	0.003948	3.75		02/17/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00388	0.00500	0	77.7	0.003919	0.87		02/17/2011
Naphthalene	0.00010		0.00359	0.00500	0	71.9	0.003822	6.18		02/17/2011
Phenanthrene	0.00010		0.00363	0.00500	0	72.7	0.003912	7.40		02/17/2011
Pyrene	0.00010		0.00370	0.00500	0	74.0	0.004038	8.71		02/17/2011
Surr: 2-Fluorobiphenyl			0.00335	0.00500		66.9				02/17/2011
Surr: 2-Fluorophenol			0.00460	0.0100		46.0				02/17/2011
Surr: Nitrobenzene-d5			0.00334	0.00500		66.8				02/17/2011
Surr: Phenol-d5			0.00277	0.0100		27.7				02/17/2011
Surr: p-Terphenyl-d14			0.00452	0.00500		90.5				02/17/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66115 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-N110217-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						02/17/2011
Ethylbenzene	2.0		ND						02/17/2011
Toluene	2.0		ND						02/17/2011
Xylenes, Total	5.0		ND						02/17/2011
Surr: 1,2-Dichloroethane-d4			45.4	50.0		90.8	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene			49.9	50.0		99.7	86	119	02/17/2011
Surr: Dibromofluoromethane			49.0	50.0		97.9	81.7	123	02/17/2011
Surr: Toluene-d8			48.4	50.0		96.9	84.3	114	02/17/2011

Batch 66115 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-N110217-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		50.2	50.0	0	100.4	82.7	117	02/17/2011
Ethylbenzene	2.0		51.6	50.0	0	103.2	83	113	02/17/2011
Toluene	2.0		55.6	50.0	0	111.2	79.6	116	02/17/2011
Xylenes, Total	5.0		154	150	0	102.5	80.3	120	02/17/2011
Surr: 1,2-Dichloroethane-d4			46.3	50.0		92.7	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene			50.3	50.0		100.5	86	119	02/17/2011
Surr: Dibromofluoromethane			50.0	50.0		100	81.7	123	02/17/2011
Surr: Toluene-d8			48.8	50.0		97.5	84.3	114	02/17/2011

Batch 66115 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-N110217-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		53.5	50.0	0	107.0	50.18	6.44	02/17/2011
Ethylbenzene	2.0		53.9	50.0	0	107.8	51.59	4.36	02/17/2011
Toluene	2.0	S	58.8	50.0	0	117.5	55.60	5.54	02/17/2011
Xylenes, Total	5.0		161	150	0	107.7	153.8	4.88	02/17/2011
Surr: 1,2-Dichloroethane-d4			47.2	50.0		94.4			02/17/2011
Surr: 4-Bromofluorobenzene			50.3	50.0		100.6			02/17/2011
Surr: Dibromofluoromethane			50.5	50.0		101.0			02/17/2011
Surr: Toluene-d8			49.6	50.0		99.3			02/17/2011

Batch 66115 **SampType:** LCSG Units %REC

SampID: LCSG-N110217-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			47.8	50.0		95.6	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene			50.7	50.0		101.5	86	119	02/17/2011
Surr: Dibromofluoromethane			49.1	50.0		98.3	81.7	123	02/17/2011
Surr: Toluene-d8			48.4	50.0		96.8	84.3	114	02/17/2011

Batch 66115 **SampType:** LCSGD Units %REC

RPD Limit 0

SampID: LCSGD-N110217-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4			46.7	50.0		93.5			02/17/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66115		SampType: LCSGD		Units %REC				RPD Limit 0		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: 4-Bromofluorobenzene				51.1	50.0		102.1			02/17/2011
Surr: Dibromofluoromethane				49.0	50.0		98.1			02/17/2011
Surr: Toluene-d8				48.9	50.0		97.9			02/17/2011

Batch 66115		SampType: MS		Units µg/L				RPD Limit 0		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Benzene		2.0		46.2	48.0	1.020	94.2	57.8	125	02/17/2011
Ethylbenzene		5.0		58.7	48.0	0	122.3	72.8	123	02/17/2011
Toluene		5.0		52.4	48.0	0	109.3	75.8	123	02/17/2011
Xylenes, Total		5.0		114	96.0	0	118.8	73	127	02/17/2011
Surr: 1,2-Dichloroethane-d4				46.4	50.0		92.7	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene				50.2	50.0		100.3	86	119	02/17/2011
Surr: Dibromofluoromethane				49.2	50.0		98.4	81.7	123	02/17/2011
Surr: Toluene-d8				48.6	50.0		97.3	84.3	114	02/17/2011

Batch 66115		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene		2.0		45.3	48.0	1.020	92.3	46.22	1.94	02/17/2011
Ethylbenzene		5.0		57.1	48.0	0	119.0	58.68	2.73	02/17/2011
Toluene		5.0		51.7	48.0	0	107.8	52.45	1.38	02/17/2011
Xylenes, Total		5.0		113	96.0	0	117.4	114.1	1.23	02/17/2011
Surr: 1,2-Dichloroethane-d4				45.6	50.0		91.2			02/17/2011
Surr: 4-Bromofluorobenzene				49.7	50.0		99.4			02/17/2011
Surr: Dibromofluoromethane				49.1	50.0		98.3			02/17/2011
Surr: Toluene-d8				47.4	50.0		94.7			02/17/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020625

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Feb-11

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

16-Feb-11

Dawn Brantley

Reviewed by:

On:

17-Feb-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09975

11020625

Project Name: <u>Champaign MGP</u>		Project Mgr.: <u>P. SAZAMA</u>	
Project Number: <u>624-0808-0120</u>		Cost Code: <u>JUN 2</u>	
Sampler(s): <u>E. Bailey</u>	Matrix		
Laboratory	Name: <u>TEKLAB</u>	Water	Soil
Location: <u>COLLINSVILLE</u>		Air	Wipes
Sample Number and (depth)		Other *	
4091 Treated 2-16-11	2-16	8:30 AM	X
Total Number of Containers			
7			
Analysis by Method Name and Number			
BTEX (6260)			
SVOC (8270)			
PCRA METALS			
CYANIDE			
TSS			
PB			
BOD5			
Comments (Field PID)		Lab ID #s	
Rush*		11020625	
		-001	

Laboratory
Temperature upon
Receipt
2.0°C

ICE
Pres DB
2/16/11

Teklab, Inc.
Courier Pick Up

1 DAY

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid
☒ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	
Lab Directives: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Requested TAT: ☒ Rush	
Fax and/or Mail Results to: <u>P. SAZAMA & L. HOSIER</u>	
Send Invoice to:	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature		Signature	
		<u>[Signature]</u>		<u>[Signature]</u>	
Date		Date		Date	
2/16/11		2/16/11		2/16/11	
Time		Time		Time	
12:38		12:38		12:38	
1800		1800		1800	

February 23, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11020708

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/17/2011 4:52:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

This reporting package includes the following:

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Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Cooler Receipt Temp: 4.8 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	2/28/2011	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Lab ID: 11020708-001

Client Sample ID: 6785 Treated 2-17-11

Matrix: AQUEOUS

Collection Date: 02/17/2011 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.12		1	02/17/2011 17:40	R145828
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		10	mg/L	1	02/18/2011 8:30	R145881
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		124	mg/L	1	02/18/2011 17:30	66122
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.078		Interference	mg/L	10	02/18/2011 10:00	R145890
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.070	S	0.449	mg/L	10	02/18/2011 10:00	R145890
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	02/18/2011 9:36	66081
Barium	NELAP	0.0050		0.240	mg/L	1	02/18/2011 9:36	66081
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/18/2011 9:36	66081
Chromium	NELAP	0.0100	J	0.0097	mg/L	1	02/18/2011 9:36	66081
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	02/18/2011 9:36	66081
Silver	NELAP	0.0100		< 0.0100	mg/L	1	02/18/2011 9:36	66081
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	02/18/2011 13:38	66094
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/18/2011 12:27	66106
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00055	mg/L	1	02/18/2011 9:03	66065
Acenaphthylene	NELAP	0.00010		0.00055	mg/L	1	02/18/2011 9:03	66065
Anthracene	NELAP	0.00010		0.00011	mg/L	1	02/18/2011 9:03	66065
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Chrysene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Fluoranthene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Fluorene	NELAP	0.00010		0.00021	mg/L	1	02/18/2011 9:03	66065
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Naphthalene	NELAP	0.00010		0.0327	mg/L	1	02/18/2011 9:03	66065
Phenanthrene	NELAP	0.00010		0.00017	mg/L	1	02/18/2011 9:03	66065
Pyrene	NELAP	0.00010		ND	mg/L	1	02/18/2011 9:03	66065
Total PNAs except Naphthalene		0.00013		0.00158	mg/L	1	02/18/2011 9:03	66065
Surr: 2-Fluorobiphenyl		41.1-108		68.6	%REC	1	02/18/2011 9:03	66065
Surr: 2-Fluorophenol		16.8-65.9		34.0	%REC	1	02/18/2011 9:03	66065
Surr: Nitrobenzene-d5		37.6-105		65.6	%REC	1	02/18/2011 9:03	66065
Surr: Phenol-d5		11-42.8		22.5	%REC	1	02/18/2011 9:03	66065
Surr: p-Terphenyl-d14		49-113		102.8	%REC	1	02/18/2011 9:03	66065
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		51.6	µg/L	1	02/17/2011 20:45	66115

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Lab ID: 11020708-001

Client Sample ID: 6785 Treated 2-17-11

Matrix: AQUEOUS

Collection Date: 02/17/2011 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		7.2	µg/L	1	02/17/2011 20:45	66115
Toluene	NELAP	5.0		16.0	µg/L	1	02/17/2011 20:45	66115
Xylenes, Total	NELAP	5.0		19.5	µg/L	1	02/17/2011 20:45	66115
Surr: 1,2-Dichloroethane-d4		74.7-129		91.1	%REC	1	02/17/2011 20:45	66115
Surr: 4-Bromofluorobenzene		86-119		100.3	%REC	1	02/17/2011 20:45	66115
Surr: Dibromofluoromethane		81.7-123		98.3	%REC	1	02/17/2011 20:45	66115
Surr: Toluene-d8		84.3-114		95.0	%REC	1	02/17/2011 20:45	66115

Marginal Exceedance for Toluene, LCS is verified per NELAC Appendix D 1.1.2



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11020708-001	6785 Treated 2-17-11	Aqueous	5	02/17/2011 10:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11020708-001A	6785 Treated 2-17-11	02/17/2011 10:30	2/17/2011 4:52:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		02/17/2011 17:59	02/18/2011 9:03
11020708-001B	6785 Treated 2-17-11	02/17/2011 10:30	2/17/2011 4:52:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			02/17/2011 17:40
	Standard Methods 18th Ed. 2540 D			02/18/2011 8:30
	Standard Methods 18th Ed. 5210 B		02/18/2011 17:30	02/18/2011 17:30
11020708-001C	6785 Treated 2-17-11	02/17/2011 10:30	2/17/2011 4:52:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		02/17/2011 17:37	02/18/2011 9:36
	SW-846 3020A, Metals by GFAA (Total)		02/17/2011 17:39	02/18/2011 13:38
	SW-846 7470A (Total)		02/18/2011 8:30	02/18/2011 12:27
11020708-001D	6785 Treated 2-17-11	02/17/2011 10:30	2/17/2011 4:52:00 PM	
	SW-846 9012A			02/18/2011 10:00
	SW-846 9012A (Total)			02/18/2011 10:00
11020708-001E	6785 Treated 2-17-11	02/17/2011 10:30	2/17/2011 4:52:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/17/2011 20:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R145828		SampType: LCS		Units							
SampID: LCS-R145828											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	02/17/2011	

Batch R145828		SampType: DUP		Units				RPD Limit 10			
SampID: 11020708-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.18				9.120	0.66	02/17/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R145881		SampType: MBLK		Units mg/L							
SampID: MB-R145881											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						02/18/2011	

Batch R145881		SampType: LCS		Units mg/L						
SampID: LCS-R145881										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Suspended Solids	6		89	100	0	89.0	85	115	02/18/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	02/18/2011	
Total Suspended Solids	6		98	100	0	98.0	85	115	02/18/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	02/18/2011	

Batch R145881		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11020708-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		10				10.00	0.00	02/18/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66122		SampType: LCS		Units mg/L							
SampID: LCS-66122											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		206	198	0	104.0	84.6	115.4	02/18/2011	

Batch 66122		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11020708-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		120				124.0	3.28	02/18/2011	

SW-846 9012A (TOTAL)

Batch R145890		SampType: MBLK		Units mg/L						
SampID: MB-R145890										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						02/18/2011
Cyanide		0.007		< 0.007						02/18/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

SW-846 9012A (TOTAL)

Batch R145890		SampType: MBLK		Units mg/L							
SampID: MB-R145890											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch R145890		SampType: LCS		Units mg/L						
SampID: LCS-R145890										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.025	0.025	0	99.9	85	115	02/18/2011	
Cyanide	0.007		0.024	0.025	0	94.8	90	110	02/18/2011	

Batch R145890		SampType: MS		Units mg/L							
SampID: 11020708-001DMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.070	S	0.497	0.025	0.4487	193.9	75	125	02/18/2011	

Batch R145890		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11020708-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.070	S	0.489	0.025	0.4487	160.7	0.4971	1.69	02/18/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66081	SampType: MBLK	Units mg/L								
SampID: MB-66081										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250	J	< 0.0250	0.0250	0	0	-100	100	02/18/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	02/18/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	02/18/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	02/18/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/18/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/18/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	02/18/2011	
Chromium	0.0100		0.0041	0.0100	0	41.0	-100	100	02/18/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	02/18/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	02/18/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/21/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/18/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/18/2011	

Batch 66081		SampType: LCS		Units mg/L						
SampID: LCS-66081										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.20	2.00	0	110.2	85	115	02/18/2011	
Arsenic	0.0250		1.90	2.00	0	94.8	85	115	02/18/2011	
Barium	0.0050		2.01	2.00	0	100.4	85	115	02/18/2011	
Barium	0.0050		1.96	2.00	0	98.2	85	115	02/18/2011	
Cadmium	0.0020		0.0495	0.0500	0	99.0	85	115	02/18/2011	
Cadmium	0.0020		0.0532	0.0500	0	106.4	85	115	02/18/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66081		SampType: LCS		Units mg/L						
SampID: LCS-66081										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0100		0.222	0.200	0	111.1	85	115	02/18/2011
Chromium		0.0100		0.211	0.200	0	105.3	85	115	02/18/2011
Selenium		0.0500		1.98	2.00	0	99.2	85	115	02/18/2011
Selenium		0.0500		2.10	2.00	0	104.9	85	115	02/18/2011
Silver		0.0100		0.0509	0.0500	0	101.8	85	115	02/18/2011
Silver		0.0100		0.0547	0.0500	0	109.4	85	115	02/21/2011
Silver		0.0100		0.0540	0.0500	0	108.0	85	115	02/18/2011

Batch 66081		SampType: MS		Units mg/L					
SampID: 11020708-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.16	2.00	0	108.2	75	125	02/18/2011
Barium	0.0050		1.99	2.00	0.2405	87.3	75	125	02/18/2011
Cadmium	0.0020		0.0472	0.0500	0	94.4	75	125	02/18/2011
Chromium	0.0100		0.212	0.200	0.009700	101.4	75	125	02/18/2011
Selenium	0.0500		2.00	2.00	0	99.8	75	125	02/18/2011
Silver	0.0100		0.0456	0.0500	0	91.2	75	125	02/18/2011

Batch 66081		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11020708-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.16	2.00	0	108.2	2.164	0.05	02/18/2011
Barium		0.0050		2.03	2.00	0.2405	89.7	1.986	2.39	02/18/2011
Cadmium		0.0020		0.0485	0.0500	0	97.0	0.04720	2.72	02/18/2011
Chromium		0.0100		0.218	0.200	0.009700	104.4	0.2125	2.74	02/18/2011
Selenium		0.0500		2.03	2.00	0	101.6	1.995	1.79	02/18/2011
Silver		0.0100		0.0507	0.0500	0	101.4	0.04560	10.59	02/18/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66094		SampType: MBLK		Units mg/L						
SampID: MB-66094		Date Analyzed								
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	02/18/2011

Batch 66094		SampType: LCS		Units mg/L						
SampID: LCS-66094										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0148	0.0150	0	98.7	80	120	02/18/2011

Batch 66094		SampType: MS		Units mg/L						
SampID: 11020708-001CMS										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0040		0.0124	0.0150	0	82.5	70	130	02/18/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66094		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11020708-001CMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead	7421	0.0040		0.0134	0.0150	0	89.3	0.01238	7.90	02/18/2011	

SW-846 7470A (TOTAL)

Batch 66106		SampType: MBLK		Units mg/L						
SampID: MB-66106										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	02/18/2011
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	02/18/2011

Batch 66106		SampType: LCS		Units mg/L						
SampID: LCS-66106										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00518	0.00500	0	103.6	85	115	02/18/2011
Mercury		0.00020		0.00518	0.00500	0	103.6	85	115	02/18/2011

Batch 66106		SampType: MS		Units mg/L						
SampID: 11020708-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00500	0.00500	0	100	75	125	02/18/2011	

Batch 66106		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11020708-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00490	0.00500	0	98.0	0.005000	2.02	02/18/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	66065	SampType:	MBLK	Units mg/L						
SampID: MB-66065										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						02/17/2011	
Acenaphthylene	0.00010		ND						02/17/2011	
Anthracene	0.00010		ND						02/17/2011	
Benzo(a)anthracene	0.00010		ND						02/17/2011	
Benzo(a)pyrene	0.00010		ND						02/17/2011	
Benzo(b)fluoranthene	0.00010		ND						02/17/2011	
Benzo(g,h,i)perylene	0.00010		ND						02/17/2011	
Benzo(k)fluoranthene	0.00010		ND						02/17/2011	
Chrysene	0.00010		ND						02/17/2011	
Dibenzo(a,h)anthracene	0.00010		ND						02/17/2011	
Fluoranthene	0.00010		ND						02/17/2011	
Fluorene	0.00010		ND						02/17/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						02/17/2011	
Naphthalene	0.00010		ND						02/17/2011	
Phenanthrene	0.00010		ND						02/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66065		SampType: MBLK		Units mg/L						
SampID: MB-66065										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Pyrene		0.00010		ND						02/17/2011
Surr: 2-Fluorobiphenyl				0.00286	0.00500		57.1	41.9	97.9	02/17/2011
Surr: 2-Fluorophenol				0.00393	0.0100		39.3	16.1	79.2	02/17/2011
Surr: Nitrobenzene-d5				0.00313	0.00500		62.5	39.9	106	02/17/2011
Surr: Phenol-d5				0.00245	0.0100		24.5	9.94	53.7	02/17/2011
Surr: p-Terphenyl-d14				0.00427	0.00500		85.4	53	116	02/17/2011

Batch 66065		SampType: LCS		Units mg/L						
SampID: LCS-66065										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00410	0.00500	0	82.1	50.1	103	02/17/2011	
Acenaphthylene	0.00010		0.00393	0.00500	0	78.6	53.3	122	02/17/2011	
Anthracene	0.00010		0.00395	0.00500	0	79.0	57.4	110	02/17/2011	
Benzo(a)anthracene	0.00010		0.00338	0.00500	0	67.7	56	102	02/17/2011	
Benzo(a)pyrene	0.00010		0.00378	0.00500	0	75.5	55.4	125	02/17/2011	
Benzo(b)fluoranthene	0.00010		0.00378	0.00500	0	75.5	59.3	127	02/17/2011	
Benzo(g,h,i)perylene	0.00010		0.00386	0.00500	0	77.3	58.4	125	02/17/2011	
Benzo(k)fluoranthene	0.00010		0.00335	0.00500	0	66.9	61.5	125	02/17/2011	
Chrysene	0.00010		0.00370	0.00500	0	74.0	58.7	118	02/17/2011	
Dibenzo(a,h)anthracene	0.00010		0.00390	0.00500	0	77.9	59.3	126	02/17/2011	
Fluoranthene	0.00010		0.00409	0.00500	0	81.8	60.1	117	02/17/2011	
Fluorene	0.00010		0.00395	0.00500	0	79.0	54.1	110	02/17/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00392	0.00500	0	78.4	58.1	123	02/17/2011	
Naphthalene	0.00010		0.00382	0.00500	0	76.4	36.3	97.1	02/17/2011	
Phenanthrene	0.00010		0.00391	0.00500	0	78.2	55.9	107	02/17/2011	
Pyrene	0.00010		0.00404	0.00500	0	80.8	61.4	116	02/17/2011	
Surr: 2-Fluorobiphenyl			0.00335	0.00500		66.9	41.9	97.9	02/17/2011	
Surr: 2-Fluorophenol			0.00438	0.0100		43.8	16.1	79.2	02/17/2011	
Surr: Nitrobenzene-d5			0.00346	0.00500		69.2	39.9	106	02/17/2011	
Surr: Phenol-d5			0.00270	0.0100		27.0	9.94	53.7	02/17/2011	
Surr: p-Terphenyl-d14			0.00459	0.00500		91.7	53	116	02/17/2011	

Batch 66065		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66065										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00394	0.00500	0	78.8	0.004103	4.05		02/17/2011
Acenaphthylene	0.00010		0.00403	0.00500	0	80.5	0.003931	2.39		02/17/2011
Anthracene	0.00010		0.00350	0.00500	0	70.0	0.003949	12.11		02/17/2011
Benzo(a)anthracene	0.00010		0.00344	0.00500	0	68.9	0.003385	1.70		02/17/2011
Benzo(a)pyrene	0.00010		0.00371	0.00500	0	74.3	0.003775	1.66		02/17/2011
Benzo(b)fluoranthene	0.00010		0.00380	0.00500	0	76.1	0.003777	0.69		02/17/2011
Benzo(g,h,i)perylene	0.00010		0.00386	0.00500	0	77.1	0.003864	0.23		02/17/2011
Benzo(k)fluoranthene	0.00010		0.00407	0.00500	0	81.4	0.003346	19.50		02/17/2011
Chrysene	0.00010		0.00364	0.00500	0	72.9	0.003702	1.55		02/17/2011
Dibenzo(a,h)anthracene	0.00010		0.00389	0.00500	0	77.9	0.003897	0.10		02/17/2011
Fluoranthene	0.00010		0.00369	0.00500	0	73.8	0.004088	10.18		02/17/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66065		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66065										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Fluorene	0.00010		0.00410	0.00500	0	82.0	0.003948	3.75	02/17/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00388	0.00500	0	77.7	0.003919	0.87	02/17/2011	
Naphthalene	0.00010		0.00359	0.00500	0	71.9	0.003822	6.18	02/17/2011	
Phenanthrene	0.00010		0.00363	0.00500	0	72.7	0.003912	7.40	02/17/2011	
Pyrene	0.00010		0.00370	0.00500	0	74.0	0.004038	8.71	02/17/2011	
Surr: 2-Fluorobiphenyl			0.00335	0.00500		66.9			02/17/2011	
Surr: 2-Fluorophenol			0.00460	0.0100		46.0			02/17/2011	
Surr: Nitrobenzene-d5			0.00334	0.00500		66.8			02/17/2011	
Surr: Phenol-d5			0.00277	0.0100		27.7			02/17/2011	
Surr: p-Terphenyl-d14			0.00452	0.00500		90.5			02/17/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66115		SampType: MBLK		Units µg/L						
SampID: MBLK-N110217-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene		2.0		ND						02/17/2011
Ethylbenzene		2.0		ND						02/17/2011
Toluene		2.0		ND						02/17/2011
Xylenes, Total		5.0		ND						02/17/2011
Surr: 1,2-Dichloroethane-d4				45.4	50.0		90.8	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene				49.9	50.0		99.7	86	119	02/17/2011
Surr: Dibromofluoromethane				49.0	50.0		97.9	81.7	123	02/17/2011
Surr: Toluene-d8				48.4	50.0		96.9	84.3	114	02/17/2011

Batch 66115		SampType: LCS		Units µg/L						
SampID: LCS-N110217-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		50.2	50.0	0	100.4	82.7	117	02/17/2011	
Ethylbenzene	2.0		51.6	50.0	0	103.2	83	113	02/17/2011	
Toluene	2.0		55.6	50.0	0	111.2	79.6	116	02/17/2011	
Xylenes, Total	5.0		154	150	0	102.5	80.3	120	02/17/2011	
Surr: 1,2-Dichloroethane-d4			46.3	50.0		92.7	74.7	129	02/17/2011	
Surr: 4-Bromofluorobenzene			50.3	50.0		100.5	86	119	02/17/2011	
Surr: Dibromofluoromethane			50.0	50.0		100	81.7	123	02/17/2011	
Surr: Toluene-d8			48.8	50.0		97.5	84.3	114	02/17/2011	

Batch 66115		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-N110217-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Benzene	2.0		53.5	50.0	0	107.0	50.18	6.44	02/17/2011	
Ethylbenzene	2.0		53.9	50.0	0	107.8	51.59	4.36	02/17/2011	
Toluene	2.0	S	58.8	50.0	0	117.5	55.60	5.54	02/17/2011	
Xylenes, Total	5.0		161	150	0	107.7	153.8	4.88	02/17/2011	
Surr: 1,2-Dichloroethane-d4			47.2	50.0		94.4			02/17/2011	
Surr: 4-Bromofluorobenzene			50.3	50.0		100.6			02/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66115		SampType: LCSD		Units µg/L				RPD Limit 40			
SampID: LCSD-N110217-1											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Surr: Dibromofluoromethane				50.5	50.0		101.0			02/17/2011	
Surr: Toluene-d8				49.6	50.0		99.3			02/17/2011	

Batch 66115		SampType: LCSG		Units %REC						
SampID: LCSG-N110217-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4				47.8	50.0		95.6	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene				50.7	50.0		101.5	86	119	02/17/2011
Surr: Dibromofluoromethane				49.1	50.0		98.3	81.7	123	02/17/2011
Surr: Toluene-d8				48.4	50.0		96.8	84.3	114	02/17/2011

Batch 66115		SampType: LCSGD	Units %REC					RPD Limit 0		
SampID: LCSGD-N110217-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Surr: 1,2-Dichloroethane-d4				46.7	50.0		93.5			02/17/2011
Surr: 4-Bromofluorobenzene				51.1	50.0		102.1			02/17/2011
Surr: Dibromofluoromethane				49.0	50.0		98.1			02/17/2011
Surr: Toluene-d8				48.9	50.0		97.9			02/17/2011

Batch 66115		SampType: MS		Units µg/L					
SampID: 11020708-001EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		97.6	48.0	51.60	95.9	57.8	125	02/17/2011
Ethylbenzene	5.0		64.8	48.0	7.150	120.2	72.8	123	02/17/2011
Toluene	5.0		67.8	48.0	16.04	107.8	75.8	123	02/17/2011
Xylenes, Total	5.0		134	96.0	19.51	119.5	73	127	02/17/2011
Surr: 1,2-Dichloroethane-d4			45.2	50.0		90.3	74.7	129	02/17/2011
Surr: 4-Bromofluorobenzene			49.0	50.0		98.0	86	119	02/17/2011
Surr: Dibromofluoromethane			49.0	50.0		98.0	81.7	123	02/17/2011
Surr: Toluene-d8			48.0	50.0		96.0	84.3	114	02/17/2011

Batch 66115		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11020708-001EMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Benzene		2.0		89.5	48.0	51.60	79.0	97.63	8.68	02/17/2011
Ethylbenzene		5.0		62.5	48.0	7.150	115.3	64.83	3.64	02/17/2011
Toluene		5.0		64.1	48.0	16.04	100.1	67.79	5.61	02/17/2011
Xylenes, Total		5.0		128	96.0	19.51	113.4	134.2	4.42	02/17/2011
Surr: 1,2-Dichloroethane-d4				44.2	50.0		88.4			02/17/2011
Surr: 4-Bromofluorobenzene				49.1	50.0		98.2			02/17/2011
Surr: Dibromofluoromethane				48.5	50.0		96.9			02/17/2011
Surr: Toluene-d8				48.0	50.0		96.0			02/17/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020708

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Feb-11

Carrier: Marvin L. Darling II

Received By: TWM

Completed by:

On:

17-Feb-11

Timothy W. Mathis

Reviewed by:

On:

17-Feb-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

February 28, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11020811

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/21/2011 4:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	17
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11020811**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 28-Feb-11**Cooler Receipt Temp:** 5.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

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Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	2/28/2011	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Lab ID: 11020811-001

Client Sample ID: 4860-treated-2/21/11

Matrix: AQUEOUS

Collection Date: 02/21/2011 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.17		1	02/21/2011 19:16	R145951
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	02/22/2011 9:45	R145978
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		84	mg/L	1	02/21/2011 18:30	66151
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	02/22/2011 10:10	R146015
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	SR	0.171	mg/L	4	02/22/2011 10:10	R146015
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	02/22/2011 11:13	66149
Barium	NELAP	0.0050		0.267	mg/L	1	02/22/2011 11:13	66149
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/22/2011 11:13	66149
Chromium	NELAP	0.0100	J	0.0051	mg/L	1	02/22/2011 11:13	66149
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	02/22/2011 11:13	66149
Silver	NELAP	0.0100		< 0.0100	mg/L	1	02/22/2011 10:41	66149
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	02/22/2011 9:09	66129
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/22/2011 10:15	66139
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00093	mg/L	1	02/22/2011 14:09	66145
Acenaphthylene	NELAP	0.00010		0.00109	mg/L	1	02/22/2011 14:09	66145
Anthracene	NELAP	0.00010		0.00027	mg/L	1	02/22/2011 14:09	66145
Benzo(a)anthracene	NELAP	0.00010		0.00013	mg/L	1	02/22/2011 14:09	66145
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Chrysene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Fluoranthene	NELAP	0.00010		0.00022	mg/L	1	02/22/2011 14:09	66145
Fluorene	NELAP	0.00010		0.00054	mg/L	1	02/22/2011 14:09	66145
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	02/22/2011 14:09	66145
Naphthalene	NELAP	0.00010		0.0455	mg/L	1	02/22/2011 14:09	66145
Phenanthrene	NELAP	0.00010		0.00096	mg/L	1	02/22/2011 14:09	66145
Pyrene	NELAP	0.00010		0.00032	mg/L	1	02/22/2011 14:09	66145
Total PNAs except Naphthalene		0.00013		0.00447	mg/L	1	02/22/2011 14:09	66145
Surr: 2-Fluorobiphenyl		41.1-108		70.5	%REC	1	02/22/2011 14:09	66145
Surr: 2-Fluorophenol		16.8-65.9		32.0	%REC	1	02/22/2011 14:09	66145
Surr: Nitrobenzene-d5		37.6-105		73.2	%REC	1	02/22/2011 14:09	66145
Surr: Phenol-d5		11-42.8		21.9	%REC	1	02/22/2011 14:09	66145
Surr: p-Terphenyl-d14		49-113		75.4	%REC	1	02/22/2011 14:09	66145
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		21.9	µg/L	1	02/21/2011 19:57	66171

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Lab ID: 11020811-001

Client Sample ID: 4860-treated-2/21/11

Matrix: AQUEOUS

Collection Date: 02/21/2011 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0	J	3.9	µg/L	1	02/21/2011 19:57	66171
Toluene	NELAP	5.0		7.5	µg/L	1	02/21/2011 19:57	66171
Xylenes, Total	NELAP	5.0		12.4	µg/L	1	02/21/2011 19:57	66171
Surr: 1,2-Dichloroethane-d4		74.7-129		95.7	%REC	1	02/21/2011 19:57	66171
Surr: 4-Bromofluorobenzene		86-119		100.5	%REC	1	02/21/2011 19:57	66171
Surr: Dibromofluoromethane		81.7-123		101.1	%REC	1	02/21/2011 19:57	66171
Surr: Toluene-d8		84.3-114		95.3	%REC	1	02/21/2011 19:57	66171



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11020811-001	4860-treated-2/21/11	Aqueous	5	02/21/2011 10:50

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11020811-001A	4860-treated-2/21/11	02/21/2011 10:50	2/21/2011 4:25:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		02/21/2011 23:05	02/22/2011 14:09
11020811-001B	4860-treated-2/21/11	02/21/2011 10:50	2/21/2011 4:25:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			02/21/2011 19:16
	Standard Methods 18th Ed. 2540 D			02/22/2011 9:45
	Standard Methods 18th Ed. 5210 B		02/21/2011 18:30	02/21/2011 18:30
11020811-001C	4860-treated-2/21/11	02/21/2011 10:50	2/21/2011 4:25:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		02/21/2011 17:32	02/22/2011 10:41
	SW-846 3005A, 6010B, Metals by ICP (Total)		02/21/2011 17:32	02/22/2011 11:13
	SW-846 3020A, Metals by GFAA (Total)		02/21/2011 17:32	02/22/2011 9:09
	SW-846 7470A (Total)		02/22/2011 8:00	02/22/2011 10:15
11020811-001D	4860-treated-2/21/11	02/21/2011 10:50	2/21/2011 4:25:00 PM	
	SW-846 9012A			02/22/2011 10:10
	SW-846 9012A (Total)			02/22/2011 10:10
11020811-001E	4860-treated-2/21/11	02/21/2011 10:50	2/21/2011 4:25:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/21/2011 19:57

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R145951		SampType: LCS		Units						
SampID: LCS-R145951										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.9	
										02/21/2011

Batch R145951		SampType: DUP		Units				RPD Limit 10			
SampID: 11020811-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.17				9.170	0.00	02/21/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R145978		SampType: MBLK		Units mg/L						
SampID: MB-R145978										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						02/22/2011

Batch R145978		SampType: LCS		Units mg/L						
SampID: LCS-R145978										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		91	100	0	91.0	85	115	02/22/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	02/22/2011	
Total Suspended Solids	6		96	100	0	96.0	85	115	02/22/2011	

Batch R145978		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11020811-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	02/22/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66151		SampType: LCS		Units mg/L						
SampID: LCS-66151										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		212	198	0	107.1	84.6	115.4	02/21/2011

Batch 66151		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11020811-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		82				84.00	2.41	02/21/2011

SW-846 9012A (TOTAL)

Batch R146015		SampType: MBLK		Units mg/L						
SampID: MB-R146015										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						02/22/2011
Cyanide		0.007		< 0.007						02/22/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

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SW-846 9012A (TOTAL)

Batch R146015		SampType: MBLK		Units mg/L						
SampID: MB-R146015										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R146015		SampType: LCS		Units mg/L						
SampID: LCS-R146015										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		0.025	0.025	0	100.1	90	110	02/22/2011
Cyanide		0.007		0.025	0.025	0	101.9	90	110	02/22/2011

Batch R146015		SampType: MS		Units mg/L						
SampID: 11020811-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.028		0.200	0.025	0.1713	112.9	75	125	02/22/2011

Batch R146015		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11020811-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028	SR	0.166	0.025	0.1713	-19.6	0.1995	18.11	02/22/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66149		SampType: MBLK		Units mg/L						
SampID: MB-66149										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	02/22/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	02/22/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/22/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/22/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	02/22/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	02/22/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	02/22/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/22/2011	

Batch 66149		SampType: LCS		Units mg/L						
SampID: LCS-66149										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.98	2.00	0	99.0	85	115	02/22/2011	
Barium	0.0050		1.94	2.00	0	97.2	85	115	02/22/2011	
Cadmium	0.0020		0.0516	0.0500	0	103.2	85	115	02/22/2011	
Cadmium	0.0020		0.0491	0.0500	0	98.2	85	115	02/22/2011	
Chromium	0.0100		0.199	0.200	0	99.3	85	115	02/22/2011	
Chromium	0.0100		0.208	0.200	0	104.1	85	115	02/22/2011	
Selenium	0.0500		1.94	2.00	0	96.9	85	115	02/22/2011	
Silver	0.0100		0.0465	0.0500	0	93.0	85	115	02/22/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66149		SampType: MS		Units mg/L						
SampID: 11020811-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.04	2.00	0	102.0	75	125	02/22/2011	
Barium	0.0050		2.07	2.00	0.2670	90.3	75	125	02/22/2011	
Cadmium	0.0020		0.0461	0.0500	0	92.2	75	125	02/22/2011	
Chromium	0.0100		0.202	0.200	0.005100	98.6	75	125	02/22/2011	
Selenium	0.0500		1.93	2.00	0	96.4	75	125	02/22/2011	
Silver	0.0100		0.0422	0.0500	0	84.4	75	125	02/22/2011	

Batch 66149		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11020811-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		1.95	2.00	0	97.6	2.039	4.31	02/22/2011
Barium		0.0050		2.07	2.00	0.2670	90.1	2.072	0.14	02/22/2011
Cadmium		0.0020		0.0457	0.0500	0	91.4	0.04610	0.87	02/22/2011
Chromium		0.0100		0.203	0.200	0.005100	99.2	0.2023	0.54	02/22/2011
Selenium		0.0500		1.90	2.00	0	95.2	1.929	1.25	02/22/2011
Silver		0.0100		0.0406	0.0500	0	81.2	0.04220	3.86	02/22/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66129		SampType: MBLK		Units mg/L						
SampID: MB-66129										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	02/22/2011

Batch 66129		SampType: LCS		Units mg/L							
SampID: LCS-66129											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0040		0.0171	0.0150	0	113.8	80	120	02/22/2011	

Batch 66129		SampType: MS		Units mg/L						Date Analyzed	
SampID: 11020811-001CMS											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0040		0.0188	0.0150	0	125.4	70	130	02/22/2011	

Batch 66129		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11020811-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0040		0.0192	0.0150	0	128.0	0.01881	2.03	02/22/2011

SW-846 7470A (TOTAL)

Batch 66139		SampType: MBLK		Units mg/L						
SampID: MB-66139										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	02/22/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 7470A (TOTAL)

Batch 66139		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-66139										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100		
02/22/2011										

Batch 66139		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-66139										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		0.00517	0.00500	0	103.4	85	115		
Mercury	0.00020		0.00517	0.00500	0	103.4	85	115		

Batch 66139		SampType: MS		Units mg/L						
SampID: 11020811-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00429	0.00500	0	85.8	75	125	02/22/2011

Batch 66139		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11020811-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00421	0.00500	0	84.2	0.004290	1.88	02/22/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66145	SampType: MBLK	Units mg/L								Date Analyzed
SampID: MB-66145										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						02/22/2011	
Acenaphthene	0.00010		ND						02/22/2011	
Acenaphthylene	0.00010		ND						02/22/2011	
Anthracene	0.00010		ND						02/22/2011	
Anthracene	0.00010		ND						02/22/2011	
Benzo(a)anthracene	0.00010		ND						02/22/2011	
Benzo(a)pyrene	0.00010		ND						02/22/2011	
Benzo(b)fluoranthene	0.00010		ND						02/22/2011	
Benzo(g,h,i)perylene	0.00010		ND						02/22/2011	
Benzo(k)fluoranthene	0.00010		ND						02/22/2011	
Chrysene	0.00010		ND						02/22/2011	
Dibenzo(a,h)anthracene	0.00010		ND						02/22/2011	
Fluoranthene	0.00010		ND						02/22/2011	
Fluoranthene	0.00010		ND						02/22/2011	
Fluorene	0.00010		ND						02/22/2011	
Fluorene	0.00010		ND						02/22/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						02/22/2011	
Naphthalene	0.00010		ND						02/22/2011	
Naphthalene	0.00010		ND						02/22/2011	
Phenanthrene	0.00010		ND						02/22/2011	
Phenanthrene	0.00010		ND						02/22/2011	
Pyrene	0.00010		ND						02/22/2011	
Pyrene	0.00010		ND						02/22/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66145		SampType: MBLK		Units mg/L							
SampID: MB-66145											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total PNAs except Naphthalene		0.00013		ND						02/22/2011	
Surr: 2-Fluorobiphenyl				0.00346	0.00500		69.2	41.9	97.9	02/22/2011	
Surr: 2-Fluorobiphenyl				0.00336	0.00500		67.2	41.9	97.9	02/22/2011	
Surr: 2-Fluorophenol				0.00455	0.0100		45.5	16.1	79.2	02/22/2011	
Surr: 2-Fluorophenol				0.00435	0.0100		43.5	16.1	79.2	02/22/2011	
Surr: Nitrobenzene-d5				0.00329	0.00500		65.8	39.9	106	02/22/2011	
Surr: Nitrobenzene-d5				0.00368	0.00500		73.7	39.9	106	02/22/2011	
Surr: Phenol-d5				0.00292	0.0100		29.2	9.94	53.7	02/22/2011	
Surr: Phenol-d5				0.00268	0.0100		26.8	9.94	53.7	02/22/2011	
Surr: p-Terphenyl-d14				0.00471	0.00500		94.2	53	116	02/22/2011	
Surr: p-Terphenyl-d14				0.00491	0.00500		98.2	53	116	02/22/2011	

Batch 66145		SampType: LCS		Units mg/L						
SampID: LCS-66145										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00402	0.00500	0	80.4	50.1	103	02/22/2011	
Acenaphthene	0.00010		0.00404	0.00500	0	80.9	50.1	103	02/22/2011	
Acenaphthylene	0.00010		0.00401	0.00500	0	80.3	53.3	122	02/22/2011	
Anthracene	0.00010		0.00402	0.00500	0	80.3	57.4	110	02/22/2011	
Anthracene	0.00010		0.00395	0.00500	0	79.0	57.4	110	02/22/2011	
Benzo(a)anthracene	0.00010		0.00378	0.00500	0	75.6	56	102	02/22/2011	
Benzo(a)pyrene	0.00010		0.00406	0.00500	0	81.1	55.4	125	02/22/2011	
Benzo(b)fluoranthene	0.00010		0.00416	0.00500	0	83.2	59.3	127	02/22/2011	
Benzo(g,h,i)perylene	0.00010		0.00441	0.00500	0	88.2	58.4	125	02/22/2011	
Benzo(k)fluoranthene	0.00010		0.00374	0.00500	0	74.8	61.5	125	02/22/2011	
Chrysene	0.00010		0.00419	0.00500	0	83.9	58.7	118	02/22/2011	
Dibenzo(a,h)anthracene	0.00010		0.00427	0.00500	0	85.4	59.3	126	02/22/2011	
Fluoranthene	0.00010		0.00411	0.00500	0	82.2	60.1	117	02/22/2011	
Fluoranthene	0.00010		0.00410	0.00500	0	82.0	60.1	117	02/22/2011	
Fluorene	0.00010		0.00398	0.00500	0	79.6	54.1	110	02/22/2011	
Fluorene	0.00010		0.00412	0.00500	0	82.4	54.1	110	02/22/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00428	0.00500	0	85.5	58.1	123	02/22/2011	
Naphthalene	0.00010		0.00372	0.00500	0	74.4	36.3	97.1	02/22/2011	
Naphthalene	0.00010		0.00381	0.00500	0	76.1	36.3	97.1	02/22/2011	
Phenanthrene	0.00010		0.00406	0.00500	0	81.2	55.9	107	02/22/2011	
Phenanthrene	0.00010		0.00393	0.00500	0	78.7	55.9	107	02/22/2011	
Pyrene	0.00010		0.00393	0.00500	0	78.6	61.4	116	02/22/2011	
Pyrene	0.00010		0.00417	0.00500	0	83.4	61.4	116	02/22/2011	
Surr: 2-Fluorobiphenyl			0.00329	0.00500		65.9	41.9	97.9	02/22/2011	
Surr: 2-Fluorobiphenyl			0.00343	0.00500		68.5	41.9	97.9	02/22/2011	
Surr: 2-Fluorophenol			0.00437	0.0100		43.7	16.1	79.2	02/22/2011	
Surr: 2-Fluorophenol			0.00439	0.0100		43.9	16.1	79.2	02/22/2011	
Surr: Nitrobenzene-d5			0.00334	0.00500		66.8	39.9	106	02/22/2011	
Surr: Nitrobenzene-d5			0.00340	0.00500		67.9	39.9	106	02/22/2011	
Surr: Phenol-d5			0.00276	0.0100		27.6	9.94	53.7	02/22/2011	
Surr: Phenol-d5			0.00268	0.0100		26.8	9.94	53.7	02/22/2011	
Surr: p-Terphenyl-d14			0.00470	0.00500		93.9	53	116	02/22/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66145		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-66145										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Surr: p-Terphenyl-d14				0.00455	0.00500		91.0	53	116	02/22/2011

Batch 66145	SampType: LCSD	Units mg/L						RPD Limit 50		
SampID: LCSD-66145										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00448	0.00500	0	89.6	0.004043	10.28		02/22/2011
Acenaphthene	0.00010		0.00406	0.00500	0	81.2	0.004021	0.94		02/22/2011
Acenaphthylene	0.00010		0.00430	0.00500	0	86.1	0.004013	7.02		02/22/2011
Anthracene	0.00010		0.00425	0.00500	0	85.0	0.003952	7.27		02/22/2011
Anthracene	0.00010		0.00424	0.00500	0	84.9	0.004017	5.50		02/22/2011
Benzo(a)anthracene	0.00010		0.00397	0.00500	0	79.4	0.003780	4.95		02/22/2011
Benzo(a)pyrene	0.00010		0.00435	0.00500	0	87.0	0.004056	6.97		02/22/2011
Benzo(b)fluoranthene	0.00010		0.00431	0.00500	0	86.1	0.004158	3.52		02/22/2011
Benzo(g,h,i)perylene	0.00010		0.00461	0.00500	0	92.1	0.004410	4.37		02/22/2011
Benzo(k)fluoranthene	0.00010		0.00382	0.00500	0	76.3	0.003738	2.09		02/22/2011
Chrysene	0.00010		0.00423	0.00500	0	84.6	0.004193	0.93		02/22/2011
Dibenzo(a,h)anthracene	0.00010		0.00441	0.00500	0	88.2	0.004270	3.23		02/22/2011
Fluoranthene	0.00010		0.00439	0.00500	0	87.8	0.004099	6.86		02/22/2011
Fluoranthene	0.00010		0.00421	0.00500	0	84.2	0.004108	2.41		02/22/2011
Fluorene	0.00010		0.00455	0.00500	0	91.0	0.003982	13.36		02/22/2011
Fluorene	0.00010		0.00403	0.00500	0	80.6	0.004122	2.31		02/22/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00446	0.00500	0	89.2	0.004277	4.23		02/22/2011
Naphthalene	0.00010		0.00399	0.00500	0	79.8	0.003806	4.70		02/22/2011
Naphthalene	0.00010		0.00413	0.00500	0	82.6	0.003721	10.42		02/22/2011
Phenanthrene	0.00010		0.00425	0.00500	0	84.9	0.003933	7.65		02/22/2011
Phenanthrene	0.00010		0.00408	0.00500	0	81.5	0.004061	0.34		02/22/2011
Pyrene	0.00010		0.00419	0.00500	0	83.8	0.003930	6.40		02/22/2011
Pyrene	0.00010		0.00440	0.00500	0	88.0	0.004170	5.39		02/22/2011
Surr: 2-Fluorobiphenyl			0.00342	0.00500		68.4				02/22/2011
Surr: 2-Fluorobiphenyl			0.00348	0.00500		69.6				02/22/2011
Surr: 2-Fluorophenol			0.00448	0.0100		44.8				02/22/2011
Surr: 2-Fluorophenol			0.00426	0.0100		42.6				02/22/2011
Surr: Nitrobenzene-d5			0.00353	0.00500		70.5				02/22/2011
Surr: Nitrobenzene-d5			0.00348	0.00500		69.6				02/22/2011
Surr: Phenol-d5			0.00264	0.0100		26.4				02/22/2011
Surr: Phenol-d5			0.00284	0.0100		28.4				02/22/2011
Surr: p-Terphenyl-d14			0.00467	0.00500		93.4				02/22/2011
Surr: p-Terphenyl-d14			0.00466	0.00500		93.1				02/22/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66171		SampType: MBLK		Units µg/L						
SampID: MBLK-N110221-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.00		ND						02/21/2011	
Ethylbenzene	5.00		ND						02/21/2011	
Toluene	5.00		ND						02/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66171 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-N110221-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Xylenes, Total	5.00		ND						02/21/2011
Surr: 1,2-Dichloroethane-d4			47.3	50.0		94.5	74.7	129	02/21/2011
Surr: 4-Bromofluorobenzene			49.8	50.0		99.6	86	119	02/21/2011
Surr: Toluene-d8			47.8	50.0		95.7	84.3	114	02/21/2011

Batch 66171 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-N110221-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.00		51.6	50.0	0	103.2	54.27	5.01	02/21/2011
Ethylbenzene	5.00		49.9	50.0	0	99.9	51.38	2.86	02/21/2011
Toluene	5.00		53.3	50.0	0	106.6	56.90	6.57	02/21/2011
Xylenes, Total	5.00		151	150	0	100.5	155.9	3.35	02/21/2011
Surr: 1,2-Dichloroethane-d4			47.9	50.0		95.9			02/21/2011
Surr: 4-Bromofluorobenzene			50.9	50.0		101.8			02/21/2011
Surr: Toluene-d8			48.0	50.0		96.0			02/21/2011

Batch 66171 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-N110221-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.00		54.3	50.0	0	108.5	82.7	117	02/21/2011
Ethylbenzene	5.00		51.4	50.0	0	102.8	83	113	02/21/2011
Toluene	5.00		56.9	50.0	0	113.8	79.6	116	02/21/2011
Xylenes, Total	5.00		156	150	0	103.9	80.3	120	02/21/2011
Surr: 1,2-Dichloroethane-d4			49.0	50.0		97.9	74.7	129	02/21/2011
Surr: 4-Bromofluorobenzene			50.8	50.0		101.6	86	119	02/21/2011
Surr: Toluene-d8			48.4	50.0		96.8	84.3	114	02/21/2011

Batch 66171 **SampType:** LCSGD Units %REC

RPD Limit 0

SampID: LCSGD-N110221-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4			48.2	50.0		96.5			02/21/2011
Surr: 4-Bromofluorobenzene			50.8	50.0		101.6			02/21/2011
Surr: Toluene-d8			47.6	50.0		95.3			02/21/2011

Batch 66171 **SampType:** LCSG Units %REC

SampID: LCSG-N110221-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			49.0	50.0		98.1	74.7	129	02/21/2011
Surr: 4-Bromofluorobenzene			50.3	50.0		100.6	86	119	02/21/2011
Surr: Toluene-d8			48.0	50.0		95.9	84.3	114	02/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66171		SampType: MS		Units µg/L						
SampID: 11020811-001EMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		75.3	48.0	21.92	111.2	57.8	125	02/21/2011	
Ethylbenzene	5.0		57.3	48.0	3.920	111.3	72.8	123	02/21/2011	
Toluene	5.0		58.9	48.0	7.530	107.0	75.8	123	02/21/2011	
Xylenes, Total	5.0		116	96.0	12.40	108.4	73	127	02/21/2011	
Surr: 1,2-Dichloroethane-d4			47.6	50.0		95.1	74.7	129	02/21/2011	
Surr: 4-Bromofluorobenzene			48.7	50.0		97.5	86	119	02/21/2011	
Surr: Dibromofluoromethane			50.6	50.0		101.2	81.7	123	02/21/2011	
Surr: Toluene-d8			47.6	50.0		95.2	84.3	114	02/21/2011	

Batch 66171		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11020811-001EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		76.4	48.0	21.92	113.4	75.30	1.38	02/21/2011
Ethylbenzene		5.0		58.6	48.0	3.920	113.9	57.33	2.19	02/21/2011
Toluene		5.0		60.1	48.0	7.530	109.5	58.91	1.95	02/21/2011
Xylenes, Total		5.0		120	96.0	12.40	112.4	116.5	3.28	02/21/2011
Surr: 1,2-Dichloroethane-d4				47.4	50.0		94.8			02/21/2011
Surr: 4-Bromofluorobenzene				50.2	50.0		100.3			02/21/2011
Surr: Dibromofluoromethane				52.2	50.0		104.4			02/21/2011
Surr: Toluene-d8				48.0	50.0		96.1			02/21/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020811

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Carrier: Sean Spinner

Received By: DB

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

21-Feb-11

22-Feb-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09979

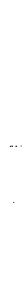
118020811

1 DAY

Teklab, Inc.
Courier Pick Up

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid
☒ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify) _____	

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____ Fax and/or Mail Results to: <u>P. SARAMA & L. HOESIER</u> Send Invoice to: _____ QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____ Special Guidelines: _____ Reporting Limits: _____ * Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
		2/21/11	13:30		2/21/11
		2/21/11	16:25		2/21/11

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

February 28, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11020853

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/22/2011 3:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11020853**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 28-Feb-11**Cooler Receipt Temp:** 4.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	2/28/2011	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Lab ID: 11020853-001

Client Sample ID: 4091-treated-2/22/11

Matrix: AQUEOUS

Collection Date: 02/22/2011 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.11		1	02/22/2011 17:16	R146008
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	02/23/2011 9:50	R146045
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		78	mg/L	1	02/23/2011 15:00	66205
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	02/23/2011 9:44	R146070
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	S	0.129	mg/L	4	02/23/2011 9:44	R146070
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	02/23/2011 10:02	66172
Barium	NELAP	0.0050		0.320	mg/L	1	02/23/2011 10:02	66172
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	02/23/2011 10:02	66172
Chromium	NELAP	0.0100	J	0.0085	mg/L	1	02/23/2011 10:02	66172
Selenium	NELAP	0.0500	J	0.035	mg/L	1	02/23/2011 10:02	66172
Silver	NELAP	0.0100		< 0.0100	mg/L	1	02/23/2011 10:02	66172
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	02/23/2011 11:10	66176
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/23/2011 13:00	66189
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00041	mg/L	1	02/23/2011 10:53	66179
Acenaphthylene	NELAP	0.00010		0.00051	mg/L	1	02/23/2011 10:53	66179
Anthracene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Chrysene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Fluoranthene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Fluorene	NELAP	0.00010		0.00015	mg/L	1	02/23/2011 10:53	66179
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Naphthalene	NELAP	0.00010		0.0237	mg/L	1	02/23/2011 10:53	66179
Phenanthrene	NELAP	0.00010		0.00017	mg/L	1	02/23/2011 10:53	66179
Pyrene	NELAP	0.00010		ND	mg/L	1	02/23/2011 10:53	66179
Total PNAs except Naphthalene		0.00013		0.00124	mg/L	1	02/23/2011 10:53	66179
Surr: 2-Fluorobiphenyl		41.1-108		74.4	%REC	1	02/23/2011 10:53	66179
Surr: 2-Fluorophenol		16.8-65.9		36.9	%REC	1	02/23/2011 10:53	66179
Surr: Nitrobenzene-d5		37.6-105		74.4	%REC	1	02/23/2011 10:53	66179
Surr: Phenol-d5		11-42.8		26.7	%REC	1	02/23/2011 10:53	66179
Surr: p-Terphenyl-d14		49-113		100.2	%REC	1	02/23/2011 10:53	66179
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		23.6	µg/L	1	02/22/2011 16:59	66197

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Lab ID: 11020853-001

Client Sample ID: 4091-treated-2/22/11

Matrix: AQUEOUS

Collection Date: 02/22/2011 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0	J	3.0	µg/L	1	02/22/2011 16:59	66197
Toluene	NELAP	5.0		6.7	µg/L	1	02/22/2011 16:59	66197
Xylenes, Total	NELAP	5.0		7.7	µg/L	1	02/22/2011 16:59	66197
Surr: 1,2-Dichloroethane-d4		74.7-129		102.3	%REC	1	02/22/2011 16:59	66197
Surr: 4-Bromofluorobenzene		86-119		99.9	%REC	1	02/22/2011 16:59	66197
Surr: Dibromofluoromethane		81.7-123		103.7	%REC	1	02/22/2011 16:59	66197
Surr: Toluene-d8		84.3-114		89.6	%REC	1	02/22/2011 16:59	66197



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11020853-001	4091-treated-2/22/11	Aqueous	5	02/22/2011 9:25

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11020853-001A	4091-treated-2/22/11	02/22/2011 9:25	2/22/2011 3:45:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		02/22/2011 17:51	02/23/2011 10:53
11020853-001B	4091-treated-2/22/11	02/22/2011 9:25	2/22/2011 3:45:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			02/22/2011 17:16
	Standard Methods 18th Ed. 2540 D			02/23/2011 9:50
	Standard Methods 18th Ed. 5210 B		02/23/2011 15:00	02/23/2011 15:00
11020853-001C	4091-treated-2/22/11	02/22/2011 9:25	2/22/2011 3:45:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		02/22/2011 16:37	02/23/2011 10:02
	SW-846 3020A, Metals by GFAA (Total)		02/22/2011 16:39	02/23/2011 11:10
	SW-846 7470A (Total)		02/23/2011 8:30	02/23/2011 13:00
11020853-001D	4091-treated-2/22/11	02/22/2011 9:25	2/22/2011 3:45:00 PM	
	SW-846 9012A			02/23/2011 9:44
	SW-846 9012A (Total)			02/23/2011 9:44
11020853-001E	4091-treated-2/22/11	02/22/2011 9:25	2/22/2011 3:45:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/22/2011 16:59

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146008		SampType: LCS		Units							
SampID: LCS-R146008											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.9	02/22/2011	

Batch R146008		SampType: DUP		Units				RPD Limit 10			
SampID: 11020853-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.11				9.110	0.00	02/22/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146045		SampType: MBLK		Units mg/L							
SampID: MB-R146045											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						02/23/2011	

Batch R146045		SampType: LCS		Units mg/L						
SampID: LCS-R146045										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		97	100	0	97.0	85	115	02/23/2011
Total Suspended Solids		6		90	100	0	90.0	85	115	02/23/2011

Batch R146045		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11020853-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	02/23/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66205		SampType: LCS		Units mg/L							
SampID: LCS-66205											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		213	198	0	107.6	84.6	115.4	02/23/2011	

Batch 66205		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11020853-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		78				78.00	0.00	02/23/2011	

SW-846 9012A (TOTAL)

Batch R146070		SampType: MBLK		Units mg/L						
SampID: MB-R146070										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						02/23/2011
Cyanide		0.007		< 0.007						02/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 9012A (TOTAL)

Batch R146070		SampType: LCS		Units mg/L						
SampID: LCS-R146070										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.007		0.026	0.025	0	103.3	85	115	02/23/2011	
Cyanide	0.007		0.025	0.025	0	99.8	90	110	02/23/2011	

Batch R146070		SampType: MS		Units mg/L						Date Analyzed
SampID: 11020853-001DMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.028	S	0.161	0.025	0.1290	127.9	75	125	02/23/2011	

Batch R146070		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11020853-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.031		0.159	0.025	0.1290	119.4	0.1609	1.32	02/23/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66172		SampType: MBLK		Units mg/L						
SampID: MB-66172										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	02/23/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	02/23/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	02/23/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	02/23/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/23/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	02/23/2011	
Chromium	0.0100	J	0.0044	0.0100	0	44.0	-100	100	02/24/2011	
Chromium	0.0100	J	0.0051	0.0100	0	51.0	-100	100	02/23/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	02/23/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	02/23/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/23/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/23/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	02/24/2011	

Batch 66172		SampType: LCS		Units mg/L						
SampID: LCS-66172										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		1.88	2.00	0	94.1	85	115	02/23/2011	
Arsenic	0.0250		2.12	2.00	0	106.0	85	115	02/23/2011	
Barium	0.0050		1.84	2.00	0	91.8	85	115	02/23/2011	
Barium	0.0050		1.96	2.00	0	97.9	85	115	02/23/2011	
Cadmium	0.0020		0.0485	0.0500	0	97.0	85	115	02/23/2011	
Cadmium	0.0020		0.0510	0.0500	0	102.0	85	115	02/23/2011	
Chromium	0.0100		0.222	0.200	0	110.8	85	115	02/23/2011	
Chromium	0.0100		0.209	0.200	0	104.4	85	115	02/24/2011	
Selenium	0.0500		1.84	2.00	0	92.0	85	115	02/23/2011	
Selenium	0.0500		2.04	2.00	0	102.0	85	115	02/23/2011	
Silver	0.0100		0.0462	0.0500	0	92.4	85	115	02/23/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66172		SampType: LCS		Units mg/L						
SampID: LCS-66172										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Silver	0.0100		0.0536	0.0500	0	107.2	85	115	02/24/2011	
Silver	0.0100		0.0501	0.0500	0	100.2	85	115	02/23/2011	

Batch 66172		SampType: MS		Units mg/L					
SampID: 11020853-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.20	2.00	0	109.8	75	125	02/23/2011
Barium	0.0050		2.16	2.00	0.3205	92.1	75	125	02/23/2011
Cadmium	0.0020		0.0488	0.0500	0	97.6	75	125	02/23/2011
Chromium	0.0100		0.223	0.200	0.008500	107.4	75	125	02/23/2011
Selenium	0.0500		2.05	2.00	0.03540	100.7	75	125	02/23/2011
Silver	0.0100		0.0554	0.0500	0	110.8	75	125	02/23/2011

Batch 66172		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11020853-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.17	2.00	0	108.4	2.195	1.28	02/23/2011
Barium		0.0050		2.23	2.00	0.3205	95.4	2.162	3.05	02/23/2011
Cadmium		0.0020		0.0501	0.0500	0	100.2	0.04880	2.63	02/23/2011
Chromium		0.0100		0.220	0.200	0.008500	105.7	0.2233	1.58	02/23/2011
Selenium		0.0500		2.09	2.00	0.03540	102.9	2.050	2.08	02/23/2011
Silver		0.0100		0.0549	0.0500	0	109.8	0.05540	0.91	02/23/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66176		SampType: MBLK		Units mg/L						
SampID: MB-66176										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	02/23/2011

Batch 66176		SampType: LCS		Units mg/L						
SampID: LCS-66176										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0150	0.0150	0	99.7	80	120	02/23/2011

Batch 66176		SampType: MS		Units mg/L						
SampID: 11020853-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0148	0.0150	0	98.6	70	130	02/23/2011

Batch 66176		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11020853-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0152	0.0150	0	101.6	0.01479	3.04	02/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 7470A (TOTAL)

Batch 66189		SampType: MBLK		Units mg/L						
SampID: MB-66189										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	02/23/2011	
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	02/23/2011	

Batch 66189		SampType: LCS		Units mg/L						
SampID: LCS-66189										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00496	0.00500	0	99.2	85	115	02/23/2011
Mercury		0.00020		0.00496	0.00500	0	99.2	85	115	02/23/2011

Batch 66189		SampType: MS		Units mg/L						
SampID: 11020853-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00461	0.00500	0	92.2	75	125	02/23/2011

Batch 66189		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11020853-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00457	0.00500	0	91.4	0.004610	0.87	02/23/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66179	SampType: MBLK	Units mg/L							
SampID: MB-66179									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						02/23/2011
Acenaphthylene	0.00010		ND						02/23/2011
Anthracene	0.00010		ND						02/23/2011
Benzo(a)anthracene	0.00010		ND						02/23/2011
Benzo(a)pyrene	0.00010		ND						02/23/2011
Benzo(b)fluoranthene	0.00010		ND						02/23/2011
Benzo(g,h,i)perylene	0.00010		ND						02/23/2011
Benzo(k)fluoranthene	0.00010		ND						02/23/2011
Chrysene	0.00010		ND						02/23/2011
Dibenzo(a,h)anthracene	0.00010		ND						02/23/2011
Fluoranthene	0.00010		ND						02/23/2011
Fluorene	0.00010		ND						02/23/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						02/23/2011
Naphthalene	0.00010		ND						02/23/2011
Phenanthrene	0.00010		ND						02/23/2011
Pyrene	0.00010		ND						02/23/2011
Surr: 2-Fluorobiphenyl			0.00339	0.00500		67.8	41.9	97.9	02/23/2011
Surr: 2-Fluorophenol			0.00415	0.0100		41.5	16.1	79.2	02/23/2011
Surr: Nitrobenzene-d5			0.00350	0.00500		70.0	39.9	106	02/23/2011
Surr: Phenol-d5			0.00271	0.0100		27.1	9.94	53.7	02/23/2011
Surr: p-Terphenyl-d14			0.00470	0.00500		94.0	53	116	02/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66179	SampType: LCS	Units mg/L								
SampID: LCS-66179										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Acenaphthene	0.00010		0.00414	0.00500	0	82.8	50.1	103		02/23/2011
Acenaphthylene	0.00010		0.00402	0.00500	0	80.4	53.3	122		02/23/2011
Anthracene	0.00010		0.00409	0.00500	0	81.8	57.4	110		02/23/2011
Benzo(a)anthracene	0.00010		0.00366	0.00500	0	73.2	56	102		02/23/2011
Benzo(a)pyrene	0.00010		0.00401	0.00500	0	80.2	55.4	125		02/23/2011
Benzo(b)fluoranthene	0.00010		0.00411	0.00500	0	82.2	59.3	127		02/23/2011
Benzo(g,h,i)perylene	0.00010		0.00424	0.00500	0	84.8	58.4	125		02/23/2011
Benzo(k)fluoranthene	0.00010		0.00354	0.00500	0	70.8	61.5	125		02/23/2011
Chrysene	0.00010		0.00410	0.00500	0	82.0	58.7	118		02/23/2011
Dibenzo(a,h)anthracene	0.00010		0.00420	0.00500	0	84.0	59.3	126		02/23/2011
Fluoranthene	0.00010		0.00424	0.00500	0	84.8	60.1	117		02/23/2011
Fluorene	0.00010		0.00418	0.00500	0	83.6	54.1	110		02/23/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00427	0.00500	0	85.4	58.1	123		02/23/2011
Naphthalene	0.00010		0.00360	0.00500	0	72.0	36.3	97.1		02/23/2011
Phenanthrene	0.00010		0.00404	0.00500	0	80.8	55.9	107		02/23/2011
Pyrene	0.00010		0.00403	0.00500	0	80.6	61.4	116		02/23/2011
Surr: 2-Fluorobiphenyl			0.00336	0.00500		67.2	41.9	97.9		02/23/2011
Surr: 2-Fluorophenol			0.00436	0.0100		43.6	16.1	79.2		02/23/2011
Surr: Nitrobenzene-d5			0.00341	0.00500		68.2	39.9	106		02/23/2011
Surr: Phenol-d5			0.00272	0.0100		27.2	9.94	53.7		02/23/2011
Surr: p-Terphenyl-d14			0.00494	0.00500		98.8	53	116		02/23/2011

Batch 66179	SampType: LCSD	Units mg/L					RPD Limit 50			
SampID: LCSD-66179										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00389	0.00500	0	77.8	0.004140	6.23		02/23/2011
Acenaphthylene	0.00010		0.00402	0.00500	0	80.4	0.004020	0.00		02/23/2011
Anthracene	0.00010		0.00393	0.00500	0	78.6	0.004090	3.99		02/23/2011
Benzo(a)anthracene	0.00010		0.00382	0.00500	0	76.4	0.003660	4.28		02/23/2011
Benzo(a)pyrene	0.00010		0.00402	0.00500	0	80.4	0.004010	0.25		02/23/2011
Benzo(b)fluoranthene	0.00010		0.00406	0.00500	0	81.2	0.004110	1.22		02/23/2011
Benzo(g,h,i)perylene	0.00010		0.00427	0.00500	0	85.4	0.004240	0.71		02/23/2011
Benzo(k)fluoranthene	0.00010		0.00417	0.00500	0	83.4	0.003540	16.34		02/23/2011
Chrysene	0.00010		0.00414	0.00500	0	82.8	0.004100	0.97		02/23/2011
Dibenzo(a,h)anthracene	0.00010		0.00431	0.00500	0	86.2	0.004200	2.59		02/23/2011
Fluoranthene	0.00010		0.00425	0.00500	0	85.0	0.004240	0.24		02/23/2011
Fluorene	0.00010		0.00440	0.00500	0	88.0	0.004180	5.13		02/23/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00430	0.00500	0	86.0	0.004270	0.70		02/23/2011
Naphthalene	0.00010		0.00360	0.00500	0	72.0	0.003600	0.00		02/23/2011
Phenanthrene	0.00010		0.00392	0.00500	0	78.4	0.004040	3.02		02/23/2011
Pyrene	0.00010		0.00402	0.00500	0	80.4	0.004030	0.25		02/23/2011
Surr: 2-Fluorobiphenyl			0.00353	0.00500		70.6				02/23/2011
Surr: 2-Fluorophenol			0.00474	0.0100		47.4				02/23/2011
Surr: Nitrobenzene-d5			0.00351	0.00500		70.2				02/23/2011
Surr: Phenol-d5			0.00288	0.0100		28.8				02/23/2011
Surr: p-Terphenyl-d14			0.00487	0.00500		97.4				02/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66197		SampType: MBLK		Units µg/L						
SampID: MBLK-T110222-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		ND						02/22/2011	
Ethylbenzene	5.0		ND						02/22/2011	
Toluene	5.0		ND						02/22/2011	
Xylenes, Total	5.0		ND						02/22/2011	
Surr: 1,2-Dichloroethane-d4			50.5	50.0		101.1	74.7	129	02/22/2011	
Surr: 4-Bromofluorobenzene			49.9	50.0		99.7	86	119	02/22/2011	
Surr: Dibromofluoromethane			53.1	50.0		106.2	81.7	123	02/22/2011	
Surr: Toluene-d8			45.2	50.0		90.4	84.3	114	02/22/2011	

Batch 66197		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110222-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		54.6	50.0	0	109.2	52.70	3.58	02/22/2011	
Ethylbenzene	5.0		49.0	50.0	0	98.0	47.05	4.08	02/22/2011	
Toluene	5.0		52.6	50.0	0	105.3	51.56	2.05	02/22/2011	
Xylenes, Total	5.0		150	150	0	100.1	145.6	3.06	02/22/2011	
Surr: 1,2-Dichloroethane-d4			50.3	50.0		100.6			02/22/2011	
Surr: 4-Bromofluorobenzene			49.6	50.0		99.1			02/22/2011	
Surr: Dibromofluoromethane			53.2	50.0		106.3			02/22/2011	
Surr: Toluene-d8			44.6	50.0		89.2			02/22/2011	

Batch 66197		SampType: LCS		Units µg/L						
SampID: LCS-T110222-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		52.7	50.0	0	105.4	82.7	117	02/22/2011	
Ethylbenzene	5.0		47.0	50.0	0	94.1	83	113	02/22/2011	
Toluene	5.0		51.6	50.0	0	103.1	79.6	116	02/22/2011	
Xylenes, Total	5.0		146	150	0	97.1	80.3	120	02/22/2011	
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.5	74.7	129	02/22/2011	
Surr: 4-Bromofluorobenzene			50.7	50.0		101.3	86	119	02/22/2011	
Surr: Dibromofluoromethane			53.6	50.0		107.3	81.7	123	02/22/2011	
Surr: Toluene-d8			45.1	50.0		90.3	84.3	114	02/22/2011	

Batch 66197		SampType: MS		Units µg/L						
SampID: 11020853-001EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		88.6	60.0	23.59	108.3	57.8	125	02/22/2011	
Ethylbenzene	5.0		68.2	60.0	2.990	108.7	72.8	123	02/22/2011	
Toluene	5.0		67.6	60.0	6.730	101.5	75.8	123	02/22/2011	
Xylenes, Total	5.0		140	120	7.720	110.1	73	127	02/22/2011	
Surr: 1,2-Dichloroethane-d4			52.2	50.0		104.5	74.7	129	02/22/2011	
Surr: 4-Bromofluorobenzene			48.7	50.0		97.3	86	119	02/22/2011	
Surr: Dibromofluoromethane			51.7	50.0		103.3	81.7	123	02/22/2011	
Surr: Toluene-d8			45.2	50.0		90.5	84.3	114	02/22/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66197		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene		2.0		85.0	60.0	23.59	102.3	88.57	4.16	02/22/2011
Ethylbenzene		5.0		66.5	60.0	2.990	105.8	68.19	2.55	02/22/2011
Toluene		5.0		65.9	60.0	6.730	98.6	67.63	2.64	02/22/2011
Xylenes, Total		5.0		135	120	7.720	106.1	139.8	3.43	02/22/2011
Surr: 1,2-Dichloroethane-d4				51.6	50.0		103.2			02/22/2011
Surr: 4-Bromofluorobenzene				50.0	50.0		99.9			02/22/2011
Surr: Dibromofluoromethane				52.6	50.0		105.1			02/22/2011
Surr: Toluene-d8				45.2	50.0		90.5			02/22/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11020853

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Feb-11

Carrier: Dawn Brantley

Received By: MLD

Completed by:

On:

22-Feb-11

Dawn Brantley

Reviewed by:

On:

22-Feb-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09980

1080853

[illegible]

1 DAY

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☐ Metals	Nitric acid (NaOH)	
☒ Cyanide	Sodium hydroxide	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. SZAMMA & L. HOOSIER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Signature	Date
		<i>Paul Blum</i>	2/22/11	<i>[Signature]</i>	2/22/11
		<i>[Signature]</i>	2/22/11	<i>[Signature]</i>	2/22/11
		<i>[Signature]</i>	2/22/11	<i>[Signature]</i>	2/22/11

Shaded Areas to be Completed by Lab

GREEN to Sampler

PINK to QA/QC

CANARY to PM

WHITE to Lab

Distribution: V
PE-179 (6/03)

March 07, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11021097

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 2/28/2011 5:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11021097**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 07-Mar-11**Cooler Receipt Temp:** 5.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Lab ID: 11021097-001

Client Sample ID: 4091-treated-2/28/11

Matrix: AQUEOUS

Collection Date: 02/28/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.67		1	02/28/2011 19:12	R146249
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		10	mg/L	1	03/01/2011 8:55	R146268
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		19	mg/L	1	02/28/2011 18:30	66292
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.008		Interference	mg/L	1	03/01/2011 7:47	R146276
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.008	S	< 0.008	mg/L	1	03/02/2011 8:34	R146337
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		0.0560	mg/L	1	03/01/2011 11:04	66286
Barium	NELAP	0.0050		0.295	mg/L	1	03/01/2011 11:04	66286
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/01/2011 11:04	66286
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	03/01/2011 11:04	66286
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/01/2011 11:04	66286
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/01/2011 11:04	66286
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	S	< 0.0020	mg/L	1	03/01/2011 15:59	66289
<i>Pb- Matrix interference present in sample.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	03/01/2011 10:50	66295
<i>Hg- Matrix interference present in sample.</i>								
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Anthracene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Chrysene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Fluorene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Naphthalene	NELAP	0.00010		0.00010	mg/L	1	03/01/2011 11:50	66288
Phenanthrene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Pyrene	NELAP	0.00010		ND	mg/L	1	03/01/2011 11:50	66288
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	03/01/2011 11:50	66288
Surr: 2-Fluorobiphenyl		41.1-108		75.6	%REC	1	03/01/2011 11:50	66288
Surr: 2-Fluorophenol		16.8-65.9		42.1	%REC	1	03/01/2011 11:50	66288
Surr: Nitrobenzene-d5		37.6-105		75.8	%REC	1	03/01/2011 11:50	66288
Surr: Phenol-d5		11-42.8		25.2	%REC	1	03/01/2011 11:50	66288
Surr: p-Terphenyl-d14		49-113		87.0	%REC	1	03/01/2011 11:50	66288

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Lab ID: 11021097-001

Client Sample ID: 4091-treated-2/28/11

Matrix: AQUEOUS

Collection Date: 02/28/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	02/28/2011 18:52	66315
Ethylbenzene	NELAP	5.0		ND	µg/L	1	02/28/2011 18:52	66315
Toluene	NELAP	5.0		ND	µg/L	1	02/28/2011 18:52	66315
Xylenes, Total	NELAP	5.0		ND	µg/L	1	02/28/2011 18:52	66315
Surr: 1,2-Dichloroethane-d4		74.7-129		100.8	%REC	1	02/28/2011 18:52	66315
Surr: 4-Bromofluorobenzene		86-119		100.4	%REC	1	02/28/2011 18:52	66315
Surr: Dibromofluoromethane		81.7-123		102.2	%REC	1	02/28/2011 18:52	66315
Surr: Toluene-d8		84.3-114		97.8	%REC	1	02/28/2011 18:52	66315



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11021097-001	4091-treated-2/28/11	Aqueous	5	02/28/2011 13:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11021097-001A	4091-treated-2/28/11	02/28/2011 13:00	2/28/2011 5:10:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		02/28/2011 23:12	03/01/2011 11:50
11021097-001B	4091-treated-2/28/11	02/28/2011 13:00	2/28/2011 5:10:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			02/28/2011 19:12
	Standard Methods 18th Ed. 2540 D			03/01/2011 8:55
	Standard Methods 18th Ed. 5210 B		02/28/2011 18:30	02/28/2011 18:30
11021097-001C	4091-treated-2/28/11	02/28/2011 13:00	2/28/2011 5:10:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		02/28/2011 17:59	03/01/2011 11:04
	SW-846 3020A, Metals by GFAA (Total)		02/28/2011 18:03	03/01/2011 15:59
	SW-846 7470A (Total)		03/01/2011 9:12	03/01/2011 10:50
11021097-001D	4091-treated-2/28/11	02/28/2011 13:00	2/28/2011 5:10:00 PM	
	SW-846 9012A			03/01/2011 7:47
	SW-846 9012A (Total)			03/02/2011 8:34
11021097-001E	4091-treated-2/28/11	02/28/2011 13:00	2/28/2011 5:10:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/28/2011 18:52

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146249		SampType: LCS		Units						
SampID: LCS-R146249										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH		1.00		7.03	7.00	0	100.4	99.1	100.9	02/28/2011

Batch R146249		SampType: DUP		Units				RPD Limit 10			
SampID: 11021097-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.67				8.670	0.00	02/28/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146268		SampType: MBLK		Units mg/L							
SampID: MB-R146268											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/01/2011	

Batch R146268		SampType: LCS		Units mg/L						
SampID: LCS-R146268										Date
Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Suspended Solids	6		90	100	0	90.0		85	115	03/01/2011
Total Suspended Solids	6		90	100	0	90.0		85	115	03/01/2011
Total Suspended Solids	6		93	100	0	93.0		85	115	03/01/2011

Batch R146268		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11021097-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		9				10.00	10.53	03/01/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66292		SampType: LCS		Units mg/L							
SampID: LCS-66292											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		203	198	0	102.5	84.6	115.4	02/28/2011	

Batch 66292		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11021097-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		20				19.00	5.13	02/28/2011	

SW-846 9012A (TOTAL)

Batch R146276		SampType: MBLK		Units mg/L						
SampID: MB-R146276										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.007		< 0.007						03/01/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 9012A (TOTAL)

Batch R146276		SampType: LCS		Units mg/L						
SampID: LCS-R146276										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		0.025	0.025	0	100.6	85	115	03/01/2011

Batch R146337		SampType: MBLK		Units mg/L						
SampID: MB-R146337										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		< 0.007						03/02/2011	
Cyanide	0.007		< 0.007						03/02/2011	

Batch R146337		SampType: LCS		Units mg/L					
SampID: LCS-R146337									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.007		0.025	0.025	0	98.4	85	115	03/02/2011
Cyanide	0.007		0.026	0.025	0	104.7	85	115	03/02/2011

Batch R146337		SampType: MS		Units mg/L						
SampID: 11021097-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.008	S	0.009	0.025	0	37.2	75	125	03/02/2011

Batch R146337		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11021097-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.007	S	0.011	0.025	0	43.2	0.009310	14.82	03/02/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66286		SampType: MBLK		Units mg/L						
SampID: MB-66286										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250	J	0.012	0.0250	0	46.4	-100	100	03/01/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/01/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/01/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/01/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/01/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/01/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/01/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/01/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/01/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/01/2011	

Batch 66286		SampType: LCS		Units mg/L						
SampID: LCS-66286										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.09	2.00	0	104.4	85	115	03/01/2011	
Barium	0.0050		2.02	2.00	0	100.9	85	115	03/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66286		SampType: LCS		Units mg/L						
SampID: LCS-66286										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Barium	0.0050		1.97	2.00	0	98.4	85	115	03/01/2011	
Cadmium	0.0020		0.0524	0.0500	0	104.8	85	115	03/01/2011	
Cadmium	0.0020		0.0510	0.0500	0	102.0	85	115	03/01/2011	
Chromium	0.0100		0.208	0.200	0	103.8	85	115	03/01/2011	
Chromium	0.0100		0.225	0.200	0	112.4	85	115	03/01/2011	
Selenium	0.0500		2.01	2.00	0	100.6	85	115	03/01/2011	
Silver	0.0100		0.0522	0.0500	0	104.4	85	115	03/01/2011	
Silver	0.0100		0.0539	0.0500	0	107.8	85	115	03/01/2011	

Batch 66286		SampType: MS		Units mg/L					
SampID: 11021097-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.06	2.00	0.05600	100	75	125	03/01/2011
Barium	0.0050		2.12	2.00	0.2953	91.0	75	125	03/01/2011
Cadmium	0.0020		0.0465	0.0500	0	93.0	75	125	03/01/2011
Chromium	0.0100		0.194	0.200	0	96.9	75	125	03/01/2011
Selenium	0.0500		1.92	2.00	0	96.2	75	125	03/01/2011
Silver	0.0100		0.0495	0.0500	0	99.0	75	125	03/01/2011

Batch 66286		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11021097-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.04	2.00	0.05600	99.4	2.057	0.63	03/01/2011
Barium		0.0050		2.12	2.00	0.2953	91.4	2.116	0.33	03/01/2011
Cadmium		0.0020		0.0462	0.0500	0	92.4	0.04650	0.65	03/01/2011
Chromium		0.0100		0.189	0.200	0	94.4	0.1938	2.56	03/01/2011
Selenium		0.0500		1.92	2.00	0	95.9	1.923	0.26	03/01/2011
Silver		0.0100		0.0490	0.0500	0	98.0	0.04950	1.02	03/01/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66289		SampType: MBLK		Units mg/L						
SampID: MB-66289										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/01/2011

Batch 66289		SampType: LCS		Units mg/L						
SampID: LCS-66289										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0141	0.0150	0	93.7	80	120	03/01/2011

Batch 66289		SampType: MS		Units mg/L						
SampID: 11021097-001CMS										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020	S	0.0097	0.0150	0	64.5	70	130	03/01/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66289		SampType: MS		Units mg/L						
SampID: 11021097-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch 66289		SampType: MSD		Units mg/L						
RPD Limit 20										
SampID: 11021097-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	S	0.0104	0.0150	0	69.3	0.009674	7.22	03/01/2011

SW-846 7470A (TOTAL)

Batch 66295		SampType: MBLK		Units mg/L						
SampID: MB-66295										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/01/2011

Batch 66295		SampType: LCS		Units mg/L						
SampID: LCS-66295										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00565	0.00500	0	113.0	85	115	03/01/2011

Batch 66295		SampType: MS		Units mg/L						
SampID: 11021097-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	0.00210	0.00500	0	42.0	75	125	03/01/2011

Batch 66295		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11021097-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	S	0.00208	0.00500	0	41.6	0.002100	0.96	03/01/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66288	SampType: MBLK	Units mg/L								
SampID: MB-66288										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						03/01/2011	
Acenaphthylene	0.00010		ND						03/01/2011	
Anthracene	0.00010		ND						03/01/2011	
Benzo(a)anthracene	0.00010		ND						03/01/2011	
Benzo(a)pyrene	0.00010		ND						03/01/2011	
Benzo(b)fluoranthene	0.00010		ND						03/01/2011	
Benzo(g,h,i)perylene	0.00010		ND						03/01/2011	
Benzo(k)fluoranthene	0.00010		ND						03/01/2011	
Chrysene	0.00010		ND						03/01/2011	
Dibenzo(a,h)anthracene	0.00010		ND						03/01/2011	
Fluoranthene	0.00010		ND						03/01/2011	
Fluorene	0.00010		ND						03/01/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66288		SampType: MBLK		Units mg/L						
SampID: MB-66288										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Naphthalene		0.00010		ND						03/01/2011
Phenanthrene		0.00010		ND						03/01/2011
Pyrene		0.00010		ND						03/01/2011
Surr: 2-Fluorobiphenyl				0.00385	0.00500		77.0	41.9	97.9	03/01/2011
Surr: 2-Fluorophenol				0.00540	0.0100		54.0	16.1	79.2	03/01/2011
Surr: Nitrobenzene-d5				0.00441	0.00500		88.2	39.9	106	03/01/2011
Surr: Phenol-d5				0.00332	0.0100		33.2	9.94	53.7	03/01/2011
Surr: p-Terphenyl-d14				0.00487	0.00500		97.4	53	116	03/01/2011

Batch 66288		SampType: LCS		Units mg/L						
SampID: LCS-66288										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00445	0.00500	0	89.0	50.1	103	03/01/2011	
Acenaphthylene	0.00010		0.00448	0.00500	0	89.6	53.3	122	03/01/2011	
Anthracene	0.00010		0.00464	0.00500	0	92.8	57.4	110	03/01/2011	
Benzo(a)anthracene	0.00010		0.00426	0.00500	0	85.2	56	102	03/01/2011	
Benzo(a)pyrene	0.00010		0.00465	0.00500	0	93.0	55.4	125	03/01/2011	
Benzo(b)fluoranthene	0.00010		0.00473	0.00500	0	94.6	59.3	127	03/01/2011	
Benzo(g,h,i)perylene	0.00010		0.00519	0.00500	0	103.8	58.4	125	03/01/2011	
Benzo(k)fluoranthene	0.00010		0.00521	0.00500	0	104.2	61.5	125	03/01/2011	
Chrysene	0.00010		0.00486	0.00500	0	97.2	58.7	118	03/01/2011	
Dibenzo(a,h)anthracene	0.00010		0.00482	0.00500	0	96.4	59.3	126	03/01/2011	
Fluoranthene	0.00010		0.00455	0.00500	0	91.0	60.1	117	03/01/2011	
Fluorene	0.00010		0.00458	0.00500	0	91.6	54.1	110	03/01/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00488	0.00500	0	97.6	58.1	123	03/01/2011	
Naphthalene	0.00010		0.00422	0.00500	0	84.4	36.3	97.1	03/01/2011	
Phenanthrene	0.00010		0.00456	0.00500	0	91.2	55.9	107	03/01/2011	
Pyrene	0.00010		0.00448	0.00500	0	89.6	61.4	116	03/01/2011	
Surr: 2-Fluorobiphenyl			0.00401	0.00500		80.2	41.9	97.9	03/01/2011	
Surr: 2-Fluorophenol			0.00546	0.0100		54.6	16.1	79.2	03/01/2011	
Surr: Nitrobenzene-d5			0.00435	0.00500		87.0	39.9	106	03/01/2011	
Surr: Phenol-d5			0.00337	0.0100		33.7	9.94	53.7	03/01/2011	
Surr: p-Terphenyl-d14			0.00459	0.00500		91.8	53	116	03/01/2011	

Batch 66288		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66288										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Acenaphthene	0.00010		0.00476	0.00500	0	95.2	0.004450	6.73	03/01/2011	
Acenaphthylene	0.00010		0.00460	0.00500	0	92.0	0.004480	2.64	03/01/2011	
Anthracene	0.00010		0.00489	0.00500	0	97.8	0.004640	5.25	03/01/2011	
Benzo(a)anthracene	0.00010		0.00438	0.00500	0	87.6	0.004260	2.78	03/01/2011	
Benzo(a)pyrene	0.00010		0.00509	0.00500	0	101.8	0.004650	9.03	03/01/2011	
Benzo(b)fluoranthene	0.00010		0.00531	0.00500	0	106.2	0.004730	11.55	03/01/2011	
Benzo(g,h,i)perylene	0.00010		0.00549	0.00500	0	109.8	0.005190	5.62	03/01/2011	
Benzo(k)fluoranthene	0.00010		0.00550	0.00500	0	110.0	0.005210	5.42	03/01/2011	
Chrysene	0.00010		0.00472	0.00500	0	94.4	0.004860	2.92	03/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66288		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66288										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Dibenzo(a,h)anthracene	0.00010		0.00518	0.00500	0	103.6	0.004820	7.20	03/01/2011	
Fluoranthene	0.00010		0.00505	0.00500	0	101.0	0.004550	10.42	03/01/2011	
Fluorene	0.00010		0.00480	0.00500	0	96.0	0.004580	4.69	03/01/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00525	0.00500	0	105.0	0.004880	7.31	03/01/2011	
Naphthalene	0.00010		0.00442	0.00500	0	88.4	0.004220	4.63	03/01/2011	
Phenanthrene	0.00010		0.00480	0.00500	0	96.0	0.004560	5.13	03/01/2011	
Pyrene	0.00010		0.00508	0.00500	0	101.6	0.004480	12.55	03/01/2011	
Surr: 2-Fluorobiphenyl			0.00422	0.00500		84.4			03/01/2011	
Surr: 2-Fluorophenol			0.00523	0.0100		52.3			03/01/2011	
Surr: Nitrobenzene-d5			0.00457	0.00500		91.4			03/01/2011	
Surr: Phenol-d5			0.00306	0.0100		30.6			03/01/2011	
Surr: p-Terphenyl-d14			0.00482	0.00500		96.4			03/01/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66315		SampType: MBLK		Units µg/L						
SampID: MBLK-T110228-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						02/28/2011
Ethylbenzene		5.0		ND						02/28/2011
Toluene		5.0		ND						02/28/2011
Xylenes, Total		5.0		ND						02/28/2011
Surr: 1,2-Dichloroethane-d4				50.7	50.0		101.5	74.7	129	02/28/2011
Surr: 4-Bromofluorobenzene				51.0	50.0		102.0	86	119	02/28/2011
Surr: Dibromofluoromethane				52.3	50.0		104.6	81.7	123	02/28/2011
Surr: Toluene-d8				48.7	50.0		97.4	84.3	114	02/28/2011

Batch 66315		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110228-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Benzene	2.0		46.7	50.0	0	93.4	44.12	5.66		02/28/2011
Ethylbenzene	5.0		52.6	50.0	0	105.1	49.50	6.00		02/28/2011
Toluene	5.0		55.0	50.0	0	110.1	52.68	4.38		02/28/2011
Xylenes, Total	5.0		159	150	0	106.3	153.0	4.08		02/28/2011
Surr: 1,2-Dichloroethane-d4			50.2	50.0		100.5				02/28/2011
Surr: 4-Bromofluorobenzene			51.8	50.0		103.5				02/28/2011
Surr: Dibromofluoromethane			52.0	50.0		103.9				02/28/2011
Surr: Toluene-d8			49.8	50.0		99.6				02/28/2011

Batch 66315		SampType: LCS		Units µg/L						
SampID: LCS-T110228-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		44.1	50.0	0	88.2	82.7	117	02/28/2011	
Ethylbenzene	5.0		49.5	50.0	0	99.0	83	113	02/28/2011	
Toluene	5.0		52.7	50.0	0	105.4	79.6	116	02/28/2011	
Xylenes, Total	5.0		153	150	0	102.0	80.3	120	02/28/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66315 **SampType:** LCS Units $\mu\text{g/L}$

SampleID: LCS-T110228-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			50.1	50.0		100.2	74.7	129	02/28/2011
Surr: 4-Bromofluorobenzene			50.5	50.0		101.0	86	119	02/28/2011
Surr: Dibromofluoromethane			51.6	50.0		103.2	81.7	123	02/28/2011
Surr: Toluene-d8			49.2	50.0		98.4	84.3	114	02/28/2011

Batch 66315 **SampType:** MS Units $\mu\text{g/L}$

SampleID: 11021097-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		56.0	60.0	0	93.3	57.8	125	02/28/2011
Ethylbenzene	5.0		64.5	60.0	0	107.4	72.8	123	02/28/2011
Toluene	5.0		60.9	60.0	0	101.5	75.8	123	02/28/2011
Xylenes, Total	5.0		129	120	0	107.5	73	127	02/28/2011
Surr: 1,2-Dichloroethane-d4			50.5	50.0		100.9	74.7	129	02/28/2011
Surr: 4-Bromofluorobenzene			50.6	50.0		101.2	86	119	02/28/2011
Surr: Dibromofluoromethane			51.7	50.0		103.4	81.7	123	02/28/2011
Surr: Toluene-d8			49.2	50.0		98.3	84.3	114	02/28/2011

Batch 66315 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampleID: 11021097-001EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		55.4	60.0	0	92.4	55.96	0.97	02/28/2011
Ethylbenzene	5.0		63.6	60.0	0	105.9	64.47	1.44	02/28/2011
Toluene	5.0		61.0	60.0	0	101.8	60.88	0.28	02/28/2011
Xylenes, Total	5.0		130	120	0	108.1	129.0	0.60	02/28/2011
Surr: 1,2-Dichloroethane-d4			50.5	50.0		100.9			02/28/2011
Surr: 4-Bromofluorobenzene			50.0	50.0		100			02/28/2011
Surr: Dibromofluoromethane			51.2	50.0		102.3			02/28/2011
Surr: Toluene-d8			49.3	50.0		98.6			02/28/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11021097

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

28-Feb-11

01-Mar-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09982

11021097

Project Name: Champaign MGP Project Mgr.: P. SAZAMA

Project Number: 6240908-0120 Cost Code: 50002

Sampler(s): J. BLANTON

Laboratory Name: TEKLAB

Location: COLLINGSVILLE

Sample Number and (depth) 4091-trunked-2/28/11 Date 2/28/11 Time 1:00

Matrix	Analyses by Method Name and Number			Total Number of Containers
	Soil	Water	Wipes	
Other *				
BTEX (8260)	X			
SvOC (8270 Sims)	X			
PCB METALS	X			
TOTAL AMBABLE	X			
TSS	X			
PH	X			
BOD's	X			
Comments (Field PID)	RVSH			Lab ID #'s 11021097-04

Laboratory Temperature upon Receipt
5.2

less than 2-28-11
off-spec. must
2/28/11

1 DAY

Teklab, Inc.
Courier PickUp

Samples Iced:

☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☐ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. SAZAMA & L. NIOSER
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature [Signature] Date 2/28/11 Time 2:25
Signature [Signature] Date 2/28/11 Time 17:10

Received by:

Signature [Signature] Date 2/28/11 Time 14:25
Signature [Signature] Date 2/28/11 Time 17:10

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

March 07, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030058

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/1/2011 4:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030058**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 07-Mar-11**Cooler Receipt Temp:** 3.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Lab ID: 11030058-001

Client Sample ID: 5104-treated-3/1/11

Matrix: AQUEOUS

Collection Date: 03/01/2011 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.87		1	03/01/2011 17:25	R146312
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	03/02/2011 9:22	R146329
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		51	mg/L	1	03/02/2011 17:40	66376
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		< 0.028	mg/L	4	03/03/2011 8:08	R146396
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028		0.120	mg/L	4	03/03/2011 8:08	R146396
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.018	mg/L	1	03/02/2011 9:42	66324
Barium	NELAP	0.0050		0.258	mg/L	1	03/02/2011 9:42	66324
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/02/2011 9:42	66324
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	03/02/2011 9:42	66324
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/02/2011 9:42	66324
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/02/2011 9:42	66324
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0019	mg/L	1	03/02/2011 13:29	66325
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	03/02/2011 12:00	66327
<i>Hg - Matrix interference present in sample.</i>								
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Anthracene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Chrysene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Fluorene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Naphthalene	NELAP	0.00010		0.00025	mg/L	1	03/02/2011 9:31	66288
Phenanthrene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Pyrene	NELAP	0.00010		ND	mg/L	1	03/02/2011 9:31	66288
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	03/02/2011 9:31	66288
Surr: 2-Fluorobiphenyl		41.1-108		80.8	%REC	1	03/02/2011 9:31	66288
Surr: 2-Fluorophenol		16.8-65.9		43.7	%REC	1	03/02/2011 9:31	66288
Surr: Nitrobenzene-d5		37.6-105		85.8	%REC	1	03/02/2011 9:31	66288
Surr: Phenol-d5		11-42.8		26.0	%REC	1	03/02/2011 9:31	66288
Surr: p-Terphenyl-d14		49-113		88.6	%REC	1	03/02/2011 9:31	66288
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	03/02/2011 2:58	66354

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Lab ID: 11030058-001

Client Sample ID: 5104-treated-3/1/11

Matrix: AQUEOUS

Collection Date: 03/01/2011 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	03/02/2011 2:58	66354
Toluene	NELAP	5.0		ND	µg/L	1	03/02/2011 2:58	66354
Xylenes, Total	NELAP	5.0		ND	µg/L	1	03/02/2011 2:58	66354
Surr: 1,2-Dichloroethane-d4		74.7-129		102.3	%REC	1	03/02/2011 2:58	66354
Surr: 4-Bromofluorobenzene		86-119		101.0	%REC	1	03/02/2011 2:58	66354
Surr: Dibromofluoromethane		81.7-123		103.7	%REC	1	03/02/2011 2:58	66354
Surr: Toluene-d8		84.3-114		96.9	%REC	1	03/02/2011 2:58	66354



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030058-001	5104-treated-3/1/11	Aqueous	5	03/01/2011 12:20

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030058-001A	5104-treated-3/1/11	03/01/2011 12:20	3/1/2011 4:15:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/01/2011 17:24	03/02/2011 9:31
11030058-001B	5104-treated-3/1/11	03/01/2011 12:20	3/1/2011 4:15:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/01/2011 17:25
	Standard Methods 18th Ed. 2540 D			03/02/2011 9:22
	Standard Methods 18th Ed. 5210 B		03/02/2011 17:40	03/02/2011 17:40
11030058-001C	5104-treated-3/1/11	03/01/2011 12:20	3/1/2011 4:15:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/01/2011 17:02	03/02/2011 9:42
	SW-846 3020A, Metals by GFAA (Total)		03/01/2011 17:07	03/02/2011 13:29
	SW-846 7470A (Total)		03/02/2011 7:40	03/02/2011 12:00
11030058-001D	5104-treated-3/1/11	03/01/2011 12:20	3/1/2011 4:15:00 PM	
	SW-846 9012A			03/03/2011 8:08
	SW-846 9012A (Total)			03/03/2011 8:08
11030058-001E	5104-treated-3/1/11	03/01/2011 12:20	3/1/2011 4:15:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/02/2011 2:58

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146312		SampType: LCS		Units						
SampID: LCS-R146312										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	03/01/2011

Batch R146312		SampType: DUP		Units				RPD Limit 10			
SampID: 11030058-001BDUP											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.89				8.870	0.23	03/01/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146329		SampType: MBLK		Units mg/L							
SampID: MB-R146329											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/02/2011	

Batch R146329		SampType: LCS		Units mg/L						
SampID: LCS-R146329										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		96	100	0	96.0	85	115	03/02/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	03/02/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	03/02/2011	

Batch R146329		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11030058-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	03/02/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66376		SampType: LCS		Units mg/L						
SampID: LCS-66376										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		198	198	0	100	84.6	115.4	03/02/2011

Batch 66376		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030058-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		49				51.00	4.00	03/02/2011	

SW-846 9012A (TOTAL)

Batch R146337		SampType: MBLK		Units mg/L						
SampID: MB-R146337										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/02/2011
Cyanide		0.007		< 0.007						03/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 9012A (TOTAL)

Batch R146337		SampType: MBLK		Units mg/L						
SampID: MB-R146337										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Batch R146337		SampType: LCS		Units mg/L						
SampID: LCS-R146337										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.007		0.025	0.025	0	98.4	85	115	03/02/2011
Cyanide		0.007		0.026	0.025	0	104.7	85	115	03/02/2011

Batch R146396		SampType: MBLK		Units mg/L						
SampID: MB-R146396										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/03/2011
Cyanide		0.008		< 0.008						03/03/2011

Batch R146396		SampType: LCS		Units mg/L					
SampID: LCS-R146396									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.008		0.026	0.025	0	103.5	90	110	03/03/2011
Cyanide	0.007		0.025	0.025	0	101.7	90	110	03/03/2011

Batch R146396		SampType: MS		Units mg/L						
SampID: 11030058-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.028		0.151	0.025	0.1201	124.7	75	125	03/03/2011

Batch R146396		SampType: MSD	Units mg/L				RPD Limit 15			
SampID: 11030058-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028		0.150	0.025	0.1201	119.4	0.1513	0.88	03/03/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66324		SampType: MBLK		Units mg/L						
SampID: MB-66324										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	03/02/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	03/02/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	03/02/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	03/02/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	03/02/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	03/02/2011

Batch 66324		SampType: LCS		Units mg/L						
SampID: LCS-66324										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.13	2.00	0	106.4	85	115	03/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66324		SampType: LCS		Units mg/L						
SampID: LCS-66324										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Barium	0.0050		2.00	2.00	0	100.2	85	115	03/02/2011	
Cadmium	0.0020		0.0509	0.0500	0	101.8	85	115	03/02/2011	
Chromium	0.0100		0.206	0.200	0	103.2	85	115	03/02/2011	
Selenium	0.0500		2.03	2.00	0	101.5	85	115	03/02/2011	
Silver	0.0100		0.0527	0.0500	0	105.4	85	115	03/02/2011	

Batch 66324		SampType: MS		Units mg/L						
SampID: 11030058-001CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.04	2.00	0.01820	101.1	75	125	03/02/2011
Barium		0.0050		2.08	2.00	0.2577	91.4	75	125	03/02/2011
Cadmium		0.0020		0.0464	0.0500	0	92.8	75	125	03/02/2011
Chromium		0.0100		0.192	0.200	0	96.2	75	125	03/02/2011
Selenium		0.0500		1.91	2.00	0	95.4	75	125	03/02/2011
Silver		0.0100		0.0496	0.0500	0	99.2	75	125	03/02/2011

Batch 66324		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030058-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.08	2.00	0.01820	103.2	2.041	2.04	03/02/2011
Barium		0.0050		2.10	2.00	0.2577	92.1	2.085	0.72	03/02/2011
Cadmium		0.0020		0.0472	0.0500	0	94.4	0.04640	1.71	03/02/2011
Chromium		0.0100		0.194	0.200	0	97.0	0.1924	0.78	03/02/2011
Selenium		0.0500		1.93	2.00	0	96.5	1.908	1.15	03/02/2011
Silver		0.0100		0.0492	0.0500	0	98.4	0.04960	0.81	03/02/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66325		SampType: MBLK		Units mg/L						
SampID: MB-66325										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	J	0.0011	0.0020	0	52.9	-100	100	03/02/2011

Batch 66325		SampType: LCS		Units mg/L							
SampID: LCS-66325											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0156	0.0150	0	104.3	80	120	03/02/2011	

Batch 66325		SampType: MS		Units mg/L						
SampID: 11030058-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0148	0.0150	0.001878	86.0	70	130	03/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66325		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030058-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0152	0.0150	0.001878	88.9	0.01477	2.94	03/02/2011

SW-846 7470A (TOTAL)

Batch 66327		SampType: MBLK		Units mg/L						
SampID: MB-66327										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/02/2011

Batch 66327		SampType: LCS		Units mg/L						
SampID: LCS-66327										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00456	0.00500	0	91.2	85	115	03/02/2011

Batch 66327		SampType: MS		Units mg/L						
SampID: 11030058-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	0.00333	0.00500	0	66.6	75	125	03/02/2011

Batch 66327		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030058-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	S	0.00332	0.00500	0	66.4	0.003330	0.30	03/02/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66288	SampType: MBLK	Units mg/L								
SampID: MB-66288										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						03/01/2011	
Acenaphthylene	0.00010		ND						03/01/2011	
Anthracene	0.00010		ND						03/01/2011	
Benzo(a)anthracene	0.00010		ND						03/01/2011	
Benzo(a)pyrene	0.00010		ND						03/01/2011	
Benzo(b)fluoranthene	0.00010		ND						03/01/2011	
Benzo(g,h,i)perylene	0.00010		ND						03/01/2011	
Benzo(k)fluoranthene	0.00010		ND						03/01/2011	
Chrysene	0.00010		ND						03/01/2011	
Dibenzo(a,h)anthracene	0.00010		ND						03/01/2011	
Fluoranthene	0.00010		ND						03/01/2011	
Fluorene	0.00010		ND						03/01/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/01/2011	
Naphthalene	0.00010		ND						03/01/2011	
Phenanthrene	0.00010		ND						03/01/2011	
Pyrene	0.00010		ND						03/01/2011	
Surr: 2-Fluorobiphenyl			0.00385	0.00500		77.0	41.9	97.9	03/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66288 **SampType:** MBLK **Units** mg/L

SampID: MB-66288

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorophenol			0.00540	0.0100		54.0	16.1	79.2	03/01/2011
Surr: Nitrobenzene-d5			0.00441	0.00500		88.2	39.9	106	03/01/2011
Surr: Phenol-d5			0.00332	0.0100		33.2	9.94	53.7	03/01/2011
Surr: p-Terphenyl-d14			0.00487	0.00500		97.4	53	116	03/01/2011

Batch 66288 **SampType:** LCS **Units** mg/L

SampID: LCS-66288

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		0.00445	0.00500	0	89.0	50.1	103	03/01/2011
Acenaphthylene	0.00010		0.00448	0.00500	0	89.6	53.3	122	03/01/2011
Anthracene	0.00010		0.00464	0.00500	0	92.8	57.4	110	03/01/2011
Benzo(a)anthracene	0.00010		0.00426	0.00500	0	85.2	56	102	03/01/2011
Benzo(a)pyrene	0.00010		0.00465	0.00500	0	93.0	55.4	125	03/01/2011
Benzo(b)fluoranthene	0.00010		0.00473	0.00500	0	94.6	59.3	127	03/01/2011
Benzo(g,h,i)perylene	0.00010		0.00519	0.00500	0	103.8	58.4	125	03/01/2011
Benzo(k)fluoranthene	0.00010		0.00521	0.00500	0	104.2	61.5	125	03/01/2011
Chrysene	0.00010		0.00486	0.00500	0	97.2	58.7	118	03/01/2011
Dibenzo(a,h)anthracene	0.00010		0.00482	0.00500	0	96.4	59.3	126	03/01/2011
Fluoranthene	0.00010		0.00455	0.00500	0	91.0	60.1	117	03/01/2011
Fluorene	0.00010		0.00458	0.00500	0	91.6	54.1	110	03/01/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00488	0.00500	0	97.6	58.1	123	03/01/2011
Naphthalene	0.00010		0.00422	0.00500	0	84.4	36.3	97.1	03/01/2011
Phenanthrene	0.00010		0.00456	0.00500	0	91.2	55.9	107	03/01/2011
Pyrene	0.00010		0.00448	0.00500	0	89.6	61.4	116	03/01/2011
Surr: 2-Fluorobiphenyl			0.00401	0.00500		80.2	41.9	97.9	03/01/2011
Surr: 2-Fluorophenol			0.00546	0.0100		54.6	16.1	79.2	03/01/2011
Surr: Nitrobenzene-d5			0.00435	0.00500		87.0	39.9	106	03/01/2011
Surr: Phenol-d5			0.00337	0.0100		33.7	9.94	53.7	03/01/2011
Surr: p-Terphenyl-d14			0.00459	0.00500		91.8	53	116	03/01/2011

Batch 66288 **SampType:** LCSD **Units** mg/L

RPD Limit 50
SampID: LCSD-66288

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.00010		0.00476	0.00500	0	95.2	0.004450	6.73	03/01/2011
Acenaphthylene	0.00010		0.00460	0.00500	0	92.0	0.004480	2.64	03/01/2011
Anthracene	0.00010		0.00489	0.00500	0	97.8	0.004640	5.25	03/01/2011
Benzo(a)anthracene	0.00010		0.00438	0.00500	0	87.6	0.004260	2.78	03/01/2011
Benzo(a)pyrene	0.00010		0.00509	0.00500	0	101.8	0.004650	9.03	03/01/2011
Benzo(b)fluoranthene	0.00010		0.00531	0.00500	0	106.2	0.004730	11.55	03/01/2011
Benzo(g,h,i)perylene	0.00010		0.00549	0.00500	0	109.8	0.005190	5.62	03/01/2011
Benzo(k)fluoranthene	0.00010		0.00550	0.00500	0	110.0	0.005210	5.42	03/01/2011
Chrysene	0.00010		0.00472	0.00500	0	94.4	0.004860	2.92	03/01/2011
Dibenzo(a,h)anthracene	0.00010		0.00518	0.00500	0	103.6	0.004820	7.20	03/01/2011
Fluoranthene	0.00010		0.00505	0.00500	0	101.0	0.004550	10.42	03/01/2011
Fluorene	0.00010		0.00480	0.00500	0	96.0	0.004580	4.69	03/01/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00525	0.00500	0	105.0	0.004880	7.31	03/01/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66288		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66288										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Naphthalene	0.00010		0.00442	0.00500	0	88.4	0.004220	4.63	03/01/2011	
Phenanthrene	0.00010		0.00480	0.00500	0	96.0	0.004560	5.13	03/01/2011	
Pyrene	0.00010		0.00508	0.00500	0	101.6	0.004480	12.55	03/01/2011	
Surr: 2-Fluorobiphenyl			0.00422	0.00500		84.4			03/01/2011	
Surr: 2-Fluorophenol			0.00523	0.0100		52.3			03/01/2011	
Surr: Nitrobenzene-d5			0.00457	0.00500		91.4			03/01/2011	
Surr: Phenol-d5			0.00306	0.0100		30.6			03/01/2011	
Surr: p-Terphenyl-d14			0.00482	0.00500		96.4			03/01/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66354		SampType: MBLK		Units µg/L						
SampID: MBLK-T110301-2										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						03/02/2011
Ethylbenzene		5.0		ND						03/02/2011
Toluene		5.0		ND						03/02/2011
Xylenes, Total		5.0		ND						03/02/2011
Surr: 1,2-Dichloroethane-d4				51.2	50.0		102.4	74.7	129	03/02/2011
Surr: 4-Bromofluorobenzene				50.9	50.0		101.7	86	119	03/02/2011
Surr: Dibromofluoromethane				52.2	50.0		104.4	81.7	123	03/02/2011
Surr: Toluene-d8				48.5	50.0		96.9	84.3	114	03/02/2011

Batch 66354		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110301-2										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		47.4	50.0	0	94.8	46.03	2.95	03/02/2011	
Ethylbenzene	5.0		51.6	50.0	0	103.1	50.72	1.62	03/02/2011	
Toluene	5.0		55.0	50.0	0	109.9	53.27	3.10	03/02/2011	
Xylenes, Total	5.0		158	150	0	105.0	154.4	2.01	03/02/2011	
Surr: 1,2-Dichloroethane-d4			51.2	50.0		102.3			03/02/2011	
Surr: 4-Bromofluorobenzene			51.1	50.0		102.2			03/02/2011	
Surr: Dibromofluoromethane			52.0	50.0		104.0			03/02/2011	
Surr: Toluene-d8			48.8	50.0		97.6			03/02/2011	

Batch 66354		SampType: LCS		Units µg/L						
SampID: LCS-T110301-2										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		46.0	50.0	0	92.1	82.7	117	03/02/2011	
Ethylbenzene	5.0		50.7	50.0	0	101.4	83	113	03/02/2011	
Toluene	5.0		53.3	50.0	0	106.5	79.6	116	03/02/2011	
Xylenes, Total	5.0		154	150	0	102.9	80.3	120	03/02/2011	
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.3	74.7	129	03/02/2011	
Surr: 4-Bromofluorobenzene			51.0	50.0		102.0	86	119	03/02/2011	
Surr: Dibromofluoromethane			52.3	50.0		104.6	81.7	123	03/02/2011	
Surr: Toluene-d8			48.6	50.0		97.3	84.3	114	03/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66354		SampType: LCS		Units µg/L							
SampID: LCS-T110301-2											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 66354		SampType: MS		Units µg/L						
SampID: 11030058-001EMS										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene	2.0		54.8	60.0	0	91.4	57.8	125	03/02/2011	
Ethylbenzene	5.0		63.2	60.0	0	105.3	72.8	123	03/02/2011	
Toluene	5.0		59.8	60.0	0	99.7	75.8	123	03/02/2011	
Xylenes, Total	5.0		122	120	0	102.0	73	127	03/02/2011	
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.3	74.7	129	03/02/2011	
Surr: 4-Bromofluorobenzene			50.3	50.0		100.7	86	119	03/02/2011	
Surr: Dibromofluoromethane			51.6	50.0		103.2	81.7	123	03/02/2011	
Surr: Toluene-d8			48.5	50.0		97.0	84.3	114	03/02/2011	

Batch 66354	SampType: MSD	Units µg/L						RPD Limit 20		
SampID: 11030058-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		55.2	60.0	0	92.1	54.81	0.80	03/02/2011	
Ethylbenzene	5.0		63.1	60.0	0	105.2	63.16	0.05	03/02/2011	
Toluene	5.0		59.8	60.0	0	99.6	59.83	0.12	03/02/2011	
Xylenes, Total	5.0		124	120	0	103.0	122.4	0.94	03/02/2011	
Surr: 1,2-Dichloroethane-d4			51.0	50.0		102.1			03/02/2011	
Surr: 4-Bromofluorobenzene			50.2	50.0		100.3			03/02/2011	
Surr: Dibromofluoromethane			52.0	50.0		104.1			03/02/2011	
Surr: Toluene-d8			49.0	50.0		98.0			03/02/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030058

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Mar-11

Carrier: Sean Spinner

Received By: JM

Completed by:

On:

01-Mar-11

Timothy W. Mathis

Reviewed by:

On:

01-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

March 08, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030150

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/2/2011 4:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030150**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 08-Mar-11**Cooler Receipt Temp:** 5.8 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

Lab ID: 11030150-001

Client Sample ID: 30984-treated-3/2/11

Matrix: AQUEOUS

Collection Date: 03/02/2011 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.93		1	03/02/2011 18:10	R146382
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	03/03/2011 9:30	R146401
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		68	mg/L	1	03/03/2011 18:30	66408
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.029		Interference	mg/L	4	03/03/2011 8:08	R146396
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.029	S	0.123	mg/L	4	03/03/2011 8:08	R146396
<i>MSD did not recover due to apparatus malfunction.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/03/2011 11:07	66369
Barium	NELAP	0.0050		0.298	mg/L	1	03/03/2011 11:07	66369
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/03/2011 11:07	66369
Chromium	NELAP	0.0100	J	0.0090	mg/L	1	03/03/2011 11:07	66369
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/03/2011 11:07	66369
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/03/2011 11:07	66369
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	03/03/2011 11:28	66371
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/03/2011 10:30	66380
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Anthracene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Chrysene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Fluorene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Naphthalene	NELAP	0.00010		0.00030	mg/L	1	03/03/2011 13:09	66373
Phenanthrene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Pyrene	NELAP	0.00010		ND	mg/L	1	03/03/2011 13:09	66373
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	03/03/2011 13:09	66373
Surr: 2-Fluorobiphenyl		41.1-108		73.0	%REC	1	03/03/2011 13:09	66373
Surr: 2-Fluorophenol		16.8-65.9		33.1	%REC	1	03/03/2011 13:09	66373
Surr: Nitrobenzene-d5		37.6-105		80.6	%REC	1	03/03/2011 13:09	66373
Surr: Phenol-d5		11-42.8		19.4	%REC	1	03/03/2011 13:09	66373
Surr: p-Terphenyl-d14		49-113		84.6	%REC	1	03/03/2011 13:09	66373
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	03/02/2011 17:37	66396



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

Lab ID: 11030150-001

Client Sample ID: 30984-treated-3/2/11

Matrix: AQUEOUS

Collection Date: 03/02/2011 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	03/02/2011 17:37	66396
Toluene	NELAP	5.0		ND	µg/L	1	03/02/2011 17:37	66396
Xylenes, Total	NELAP	5.0		ND	µg/L	1	03/02/2011 17:37	66396
Surr: 1,2-Dichloroethane-d4		74.7-129		101.0	%REC	1	03/02/2011 17:37	66396
Surr: 4-Bromofluorobenzene		86-119		102.0	%REC	1	03/02/2011 17:37	66396
Surr: Dibromofluoromethane		81.7-123		104.1	%REC	1	03/02/2011 17:37	66396
Surr: Toluene-d8		84.3-114		96.9	%REC	1	03/02/2011 17:37	66396



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030150-001	30984-treated-3/2/11	Aqueous	5	03/02/2011 10:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030150-001A	30984-treated-3/2/11	03/02/2011 10:30	3/2/2011 4:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/02/2011 18:24	03/03/2011 13:09
11030150-001B	30984-treated-3/2/11	03/02/2011 10:30	3/2/2011 4:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/02/2011 18:10
	Standard Methods 18th Ed. 2540 D			03/03/2011 9:30
	Standard Methods 18th Ed. 5210 B		03/03/2011 18:30	03/03/2011 18:30
11030150-001C	30984-treated-3/2/11	03/02/2011 10:30	3/2/2011 4:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/02/2011 16:39	03/03/2011 11:07
	SW-846 3020A, Metals by GFAA (Total)		03/02/2011 16:39	03/03/2011 11:28
	SW-846 7470A (Total)		03/03/2011 8:31	03/03/2011 10:30
11030150-001D	30984-treated-3/2/11	03/02/2011 10:30	3/2/2011 4:00:00 PM	
	SW-846 9012A			03/03/2011 8:08
	SW-846 9012A (Total)			03/03/2011 8:08
11030150-001E	30984-treated-3/2/11	03/02/2011 10:30	3/2/2011 4:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/02/2011 17:37

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146382		SampType: LCS		Units						
SampID: LCS-R146382										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH	1.00		7.00	7.00	0	100	99.1	100.9	03/02/2011	

Batch R146382		SampType: DUP		Units				RPD Limit 10		Date Analyzed
SampID: 11030150-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lab pH		1.00		8.94				8.930	0.11	

STANDARD METHODS 18TH ED. 2540 D

Batch R146401		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R146401										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		< 6						03/03/2011	

Batch R146401		SampType: LCS		Units mg/L						
SampID: LCS-R146401										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		95	100	0	95.0	85	115	03/03/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	03/03/2011	
Total Suspended Solids	6		100	100	0	100	85	115	03/03/2011	
Total Suspended Solids	6		93	100	0	93.0	85	115	03/03/2011	

Batch R146401		SampType: DUP		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11030150-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		< 6				0	0.00	

STANDARD METHODS 18TH ED. 5210 B

Batch 66408		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-66408										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Biochemical Oxygen Demand	5		202	198	0	102.0	84.6	115.4	03/03/2011	

Batch 66408		SampType: DUP		Units mg/L				RPD Limit 40		Date Analyzed
SampID: 11030150-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		66				68.00	2.99	03/03/2011

SW-846 9012A (TOTAL)

Batch R146396		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R146396										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.008		< 0.008						03/03/2011	
Cyanide	0.007		< 0.007						03/03/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

SW-846 9012A (TOTAL)
Batch R146396 **SampType: MBLK** Units **mg/L**

SampID: MB-R146396

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch R146396 **SampType: LCS** Units **mg/L**

SampID: LCS-R146396

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.008		0.026	0.025	0	103.5	90	110	03/03/2011
Cyanide	0.007		0.025	0.025	0	101.7	90	110	03/03/2011

Batch R146396 **SampType: MS** Units **mg/L**

SampID: 11030150-001DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.031		0.152	0.025	0.1226	117.8	75	125	03/03/2011

Batch R146396 **SampType: MSD** Units **mg/L**

SampID: 11030150-001DMSD

 RPD Limit **15**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.028	S	< 0.028	0.025	0.1226	-490.5	0.1521	0.00	03/03/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 66369 **SampType: MBLK** Units **mg/L**

SampID: MB-66369

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/03/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/03/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/03/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/03/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/03/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/03/2011
Silver	0.0100	J	0.0035	0.0100	0	35.0	-100	100	03/04/2011

Batch 66369 **SampType: LCS** Units **mg/L**

SampID: LCS-66369

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.10	2.00	0	105.1	85	115	03/03/2011
Barium	0.0050		1.99	2.00	0	99.6	85	115	03/03/2011
Cadmium	0.0020		0.0521	0.0500	0	104.2	85	115	03/03/2011
Chromium	0.0100		0.211	0.200	0	105.5	85	115	03/03/2011
Selenium	0.0500		2.07	2.00	0	103.6	85	115	03/03/2011
Silver	0.0100		0.0509	0.0500	0	101.8	85	115	03/04/2011
Silver	0.0100		0.0526	0.0500	0	105.2	85	115	03/03/2011

Batch 66369 **SampType: MS** Units **mg/L**

SampID: 11030150-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.98	2.00	0	99.0	75	125	03/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66369		SampType: MS		Units mg/L						
SampID: 11030150-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Barium	0.0050		2.08	2.00	0.2980	89.0	75	125	03/03/2011	
Cadmium	0.0020		0.0469	0.0500	0	93.8	75	125	03/03/2011	
Chromium	0.0100		0.200	0.200	0.009000	95.2	75	125	03/03/2011	
Selenium	0.0500		1.92	2.00	0	96.0	75	125	03/03/2011	
Silver	0.0100		0.0493	0.0500	0	98.6	75	125	03/03/2011	

Batch 66369		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030150-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.02	2.00	0	101.2	1.979	2.20	03/03/2011
Barium		0.0050		2.12	2.00	0.2980	91.0	2.078	1.86	03/03/2011
Cadmium		0.0020		0.0478	0.0500	0	95.6	0.04690	1.90	03/03/2011
Chromium		0.0100		0.203	0.200	0.009000	97.0	0.1995	1.74	03/03/2011
Selenium		0.0500		1.95	2.00	0	97.5	1.920	1.55	03/03/2011
Silver		0.0100		0.0509	0.0500	0	101.8	0.04930	3.19	03/03/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66371		SampType: MBLK		Units mg/L						
SampID: MB-66371										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/03/2011

Batch 66371		SampType: LCS		Units mg/L							
SampID: LCS-66371											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0140	0.0150	0	93.3	80	120	03/03/2011	

Batch 66371		SampType: MS		Units mg/L						
SampID: 11030150-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0150	0.0150	0.0004937	96.7	70	130	03/03/2011

Batch 66371		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11030150-001CMSD										Date	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0144	0.0150	0.0004937	92.5	0.01500	4.32	03/03/2011	

SW-846 7470A (TOTAL)

Batch 66380		SampType: MBLK		Units mg/L						
SampID: MB-66380										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

SW-846 7470A (TOTAL)

Batch 66380		SampType: LCS		Units mg/L						
SampID: LCS-66380										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00476	0.00500	0	95.2	85	115	03/03/2011	

Batch 66380		SampType: MS		Units mg/L					
SampID: 11030150-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		0.00400	0.00500	0	80.0	75	125	03/03/2011

Batch 66380		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030150-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00407	0.00500	0	81.4	0.004000	1.73	03/03/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66373	SampType: MBLK	Units mg/L								
SampID: MB-66373										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND							03/03/2011
Acenaphthene	0.00010		ND							03/03/2011
Acenaphthylene	0.00010		ND							03/03/2011
Anthracene	0.00010		ND							03/03/2011
Anthracene	0.00010		ND							03/03/2011
Benzo(a)anthracene	0.00010		ND							03/03/2011
Benzo(a)pyrene	0.00010		ND							03/03/2011
Benzo(b)fluoranthene	0.00010		ND							03/03/2011
Benzo(g,h,i)perylene	0.00010		ND							03/03/2011
Benzo(k)fluoranthene	0.00010		ND							03/03/2011
Chrysene	0.00010		ND							03/03/2011
Dibenzo(a,h)anthracene	0.00010		ND							03/03/2011
Fluoranthene	0.00010		ND							03/03/2011
Fluoranthene	0.00010		ND							03/03/2011
Fluorene	0.00010		ND							03/03/2011
Fluorene	0.00010		ND							03/03/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND							03/03/2011
Naphthalene	0.00010		ND							03/03/2011
Naphthalene	0.00010		ND							03/03/2011
Phenanthrene	0.00010		ND							03/03/2011
Phenanthrene	0.00010		ND							03/03/2011
Pyrene	0.00010		ND							03/03/2011
Pyrene	0.00010		ND							03/03/2011
Surr: 2-Fluorobiphenyl			0.00349	0.00500		69.8	41.9	97.9		03/03/2011
Surr: 2-Fluorobiphenyl			0.00396	0.00500		79.2	41.9	97.9		03/03/2011
Surr: 2-Fluorophenol			0.00392	0.0100		39.2	16.1	79.2		03/03/2011
Surr: 2-Fluorophenol			0.00369	0.0100		36.9	16.1	79.2		03/03/2011
Surr: Nitrobenzene-d5			0.00309	0.00500		61.8	39.9	106		03/03/2011
Surr: Nitrobenzene-d5			0.00426	0.00500		85.2	39.9	106		03/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66373		SampType: MBLK		Units mg/L						
SampID: MB-66373										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Phenol-d5				0.00280	0.0100		28.0	9.94	53.7	03/03/2011
Surr: Phenol-d5				0.00230	0.0100		23.0	9.94	53.7	03/03/2011
Surr: p-Terphenyl-d14				0.00464	0.00500		92.9	53	116	03/03/2011
Surr: p-Terphenyl-d14				0.00482	0.00500		96.4	53	116	03/03/2011

Batch 66373		SampType: LCS		Units mg/L						
SampID: LCS-66373										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00319	0.00500	0	63.7	50.1	103	03/03/2011	
Acenaphthene	0.00010		0.00348	0.00500	0	69.6	50.1	103	03/03/2011	
Acenaphthylene	0.00010		0.00341	0.00500	0	68.2	53.3	122	03/03/2011	
Anthracene	0.00010		0.00324	0.00500	0	64.9	57.4	110	03/03/2011	
Anthracene	0.00010		0.00346	0.00500	0	69.2	57.4	110	03/03/2011	
Benzo(a)anthracene	0.00010		0.00319	0.00500	0	63.8	56	102	03/03/2011	
Benzo(a)pyrene	0.00010		0.00358	0.00500	0	71.6	55.4	125	03/03/2011	
Benzo(b)fluoranthene	0.00010		0.00381	0.00500	0	76.2	59.3	127	03/03/2011	
Benzo(g,h,i)perylene	0.00010		0.00428	0.00500	0	85.6	58.4	125	03/03/2011	
Benzo(k)fluoranthene	0.00010		0.00386	0.00500	0	77.2	61.5	125	03/03/2011	
Chrysene	0.00010		0.00349	0.00500	0	69.8	58.7	118	03/03/2011	
Dibenzo(a,h)anthracene	0.00010		0.00402	0.00500	0	80.4	59.3	126	03/03/2011	
Fluoranthene	0.00010		0.00335	0.00500	0	67.1	60.1	117	03/03/2011	
Fluoranthene	0.00010		0.00371	0.00500	0	74.2	60.1	117	03/03/2011	
Fluorene	0.00010		0.00360	0.00500	0	72.0	54.1	110	03/03/2011	
Fluorene	0.00010		0.00308	0.00500	0	61.5	54.1	110	03/03/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00401	0.00500	0	80.2	58.1	123	03/03/2011	
Naphthalene	0.00010		0.00332	0.00500	0	66.4	36.3	97.1	03/03/2011	
Naphthalene	0.00010		0.00316	0.00500	0	63.1	36.3	97.1	03/03/2011	
Phenanthrene	0.00010		0.00332	0.00500	0	66.5	55.9	107	03/03/2011	
Phenanthrene	0.00010		0.00350	0.00500	0	70.0	55.9	107	03/03/2011	
Pyrene	0.00010		0.00336	0.00500	0	67.1	61.4	116	03/03/2011	
Pyrene	0.00010		0.00357	0.00500	0	71.4	61.4	116	03/03/2011	
Surr: 2-Fluorobiphenyl			0.00359	0.00500		71.8	41.9	97.9	03/03/2011	
Surr: 2-Fluorobiphenyl			0.00318	0.00500		63.7	41.9	97.9	03/03/2011	
Surr: 2-Fluorophenol			0.00421	0.0100		42.1	16.1	79.2	03/03/2011	
Surr: 2-Fluorophenol			0.00393	0.0100		39.3	16.1	79.2	03/03/2011	
Surr: Nitrobenzene-d5			0.00287	0.00500		57.4	39.9	106	03/03/2011	
Surr: Nitrobenzene-d5			0.00385	0.00500		77.0	39.9	106	03/03/2011	
Surr: Phenol-d5			0.00279	0.0100		27.9	9.94	53.7	03/03/2011	
Surr: Phenol-d5			0.00236	0.0100		23.6	9.94	53.7	03/03/2011	
Surr: p-Terphenyl-d14			0.00425	0.00500		84.9	53	116	03/03/2011	
Surr: p-Terphenyl-d14			0.00423	0.00500		84.6	53	116	03/03/2011	

Batch 66373		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66373										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.00010		0.00399	0.00500	0	79.8	0.003480	13.65	03/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66373	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-66373									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00316	0.00500	0	63.3	0.003185	0.63	03/03/2011
Acenaphthylene	0.00010		0.00396	0.00500	0	79.2	0.003410	14.93	03/03/2011
Anthracene	0.00010		0.00341	0.00500	0	68.3	0.003243	5.11	03/03/2011
Anthracene	0.00010		0.00412	0.00500	0	82.4	0.003460	17.41	03/03/2011
Benzo(a)anthracene	0.00010		0.00374	0.00500	0	74.8	0.003190	15.87	03/03/2011
Benzo(a)pyrene	0.00010		0.00433	0.00500	0	86.6	0.003580	18.96	03/03/2011
Benzo(b)fluoranthene	0.00010		0.00450	0.00500	0	90.0	0.003810	16.61	03/03/2011
Benzo(g,h,i)perylene	0.00010		0.00511	0.00500	0	102.2	0.004280	17.68	03/03/2011
Benzo(k)fluoranthene	0.00010		0.00462	0.00500	0	92.4	0.003860	17.92	03/03/2011
Chrysene	0.00010		0.00416	0.00500	0	83.2	0.003490	17.52	03/03/2011
Dibenzo(a,h)anthracene	0.00010		0.00475	0.00500	0	95.0	0.004020	16.65	03/03/2011
Fluoranthene	0.00010		0.00419	0.00500	0	83.8	0.003710	12.15	03/03/2011
Fluoranthene	0.00010		0.00376	0.00500	0	75.2	0.003353	11.47	03/03/2011
Fluorene	0.00010		0.00348	0.00500	0	69.6	0.003075	12.41	03/03/2011
Fluorene	0.00010		0.00428	0.00500	0	85.6	0.003600	17.26	03/03/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00480	0.00500	0	96.0	0.004010	17.93	03/03/2011
Naphthalene	0.00010		0.00310	0.00500	0	62.0	0.003157	1.82	03/03/2011
Naphthalene	0.00010		0.00410	0.00500	0	82.0	0.003320	21.02	03/03/2011
Phenanthrene	0.00010		0.00337	0.00500	0	67.3	0.003324	1.23	03/03/2011
Phenanthrene	0.00010		0.00394	0.00500	0	78.8	0.003500	11.83	03/03/2011
Pyrene	0.00010		0.00430	0.00500	0	86.0	0.003570	18.55	03/03/2011
Pyrene	0.00010		0.00372	0.00500	0	74.4	0.003357	10.20	03/03/2011
Surr: 2-Fluorobiphenyl			0.00408	0.00500		81.6			03/03/2011
Surr: 2-Fluorobiphenyl			0.00326	0.00500		65.3			03/03/2011
Surr: 2-Fluorophenol			0.00451	0.0100		45.1			03/03/2011
Surr: 2-Fluorophenol			0.00412	0.0100		41.2			03/03/2011
Surr: Nitrobenzene-d5			0.00280	0.00500		55.9			03/03/2011
Surr: Nitrobenzene-d5			0.00431	0.00500		86.2			03/03/2011
Surr: Phenol-d5			0.00271	0.0100		27.1			03/03/2011
Surr: Phenol-d5			0.00260	0.0100		26.0			03/03/2011
Surr: p-Terphenyl-d14			0.00471	0.00500		94.2			03/03/2011
Surr: p-Terphenyl-d14			0.00452	0.00500		90.4			03/03/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66396		SampType: MBLK		Units µg/L						
SampID: MBLK-T110302-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						03/02/2011
Ethylbenzene		5.0		ND						03/02/2011
Toluene		5.0		ND						03/02/2011
Xylenes, Total		5.0		ND						03/02/2011
Surr: 1,2-Dichloroethane-d4				51.4	50.0		102.7	74.7	129	03/02/2011
Surr: 4-Bromofluorobenzene				50.2	50.0		100.4	86	119	03/02/2011
Surr: Dibromofluoromethane				52.1	50.0		104.2	81.7	123	03/02/2011
Surr: Toluene-d8				48.9	50.0		97.9	84.3	114	03/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66396		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110302-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analized	
Benzene	2.0		46.9	50.0	0	93.7	45.42	3.12	03/02/2011	
Ethylbenzene	5.0		52.5	50.0	0	105.0	50.52	3.88	03/02/2011	
Toluene	5.0		55.3	50.0	0	110.5	53.31	3.59	03/02/2011	
Xylenes, Total	5.0		160	150	0	106.6	155.9	2.55	03/02/2011	
Surr: 1,2-Dichloroethane-d4			50.8	50.0		101.6			03/02/2011	
Surr: 4-Bromofluorobenzene			51.2	50.0		102.4			03/02/2011	
Surr: Dibromofluoromethane			51.2	50.0		102.4			03/02/2011	
Surr: Toluene-d8			49.5	50.0		99.0			03/02/2011	

Batch 66396		SampType: LCS		Units µg/L						
SampID: LCS-T110302-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		45.4	50.0	0	90.8	82.7	117	03/02/2011	
Ethylbenzene	5.0		50.5	50.0	0	101.0	83	113	03/02/2011	
Toluene	5.0		53.3	50.0	0	106.6	79.6	116	03/02/2011	
Xylenes, Total	5.0		156	150	0	103.9	80.3	120	03/02/2011	
Surr: 1,2-Dichloroethane-d4			51.3	50.0		102.6	74.7	129	03/02/2011	
Surr: 4-Bromofluorobenzene			51.7	50.0		103.4	86	119	03/02/2011	
Surr: Dibromofluoromethane			51.9	50.0		103.7	81.7	123	03/02/2011	
Surr: Toluene-d8			49.3	50.0		98.5	84.3	114	03/02/2011	

Batch 66396		SampType: MS		Units µg/L						
SampID: 11030150-001EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		55.2	60.0	0	91.9	57.8	125	03/02/2011	
Ethylbenzene	5.0		63.3	60.0	0	105.5	72.8	123	03/02/2011	
Toluene	5.0		59.2	60.0	0	98.7	75.8	123	03/02/2011	
Xylenes, Total	5.0		124	120	0	103.3	73	127	03/02/2011	
Surr: 1,2-Dichloroethane-d4			51.0	50.0		102.0	74.7	129	03/02/2011	
Surr: 4-Bromofluorobenzene			49.8	50.0		99.6	86	119	03/02/2011	
Surr: Dibromofluoromethane			51.7	50.0		103.4	81.7	123	03/02/2011	
Surr: Toluene-d8			48.8	50.0		97.5	84.3	114	03/02/2011	

Batch 66396		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11030150-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		54.5	60.0	0	90.8	55.15	1.26	03/02/2011	
Ethylbenzene	5.0		62.6	60.0	0	104.4	63.28	1.00	03/02/2011	
Toluene	5.0		59.1	60.0	0	98.5	59.20	0.20	03/02/2011	
Xylenes, Total	5.0		124	120	0	103.1	124.0	0.27	03/02/2011	
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.1			03/02/2011	
Surr: 4-Bromofluorobenzene			50.5	50.0		101.0			03/02/2011	
Surr: Dibromofluoromethane			51.8	50.0		103.6			03/02/2011	
Surr: Toluene-d8			48.5	50.0		97.0			03/02/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030150

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Mar-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

02-Mar-11

Dawn Brantley

Reviewed by:

On:

02-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09987

Project Name: Champaign MGP Project Mgr.: PSAZAMA

Project Number: 6024-09080120 Cost Code: 70002

Sampler(s): J. BLANTON

Laboratory Name: TEKLAB

Location: COLLINSVILLE

Sample Number and (depth) 30984-treated-31211 Date 3/21/11 Time 10:30

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Total Number of Containers

Analyses by Method Name and Number

BTEX (8260) ☒
SVOCs (8705) ☒
PCA METALS ☒
CYANIDE ☒
TSS ☒
BOD's ☒
PH ☒

Laboratory Temperature upon Receipt
5.8

RES ✓ 3/21/11
DHEW/SPK/EM 3/2/11

Comments (Field PID)

RUSH

Lab ID #s

11030150-001

1 DAY

Teklab, Inc.
Courier Pick Up

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☐ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: PSAZAMA & L. HOOSIER
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature [Signature] Date 3/21/11 Time 12:30

Received by:

Signature [Signature] Date 3/21/11 Time 12:30

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler
PE-179 (6/03)

Shaded Areas to be Completed by Lab

March 10, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030242

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/4/2011 11:30:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030242**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 10-Mar-11**Cooler Receipt Temp:** 5.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

Lab ID: 11030242-001

Client Sample ID: 4091-treated-3/3/11

Matrix: AQUEOUS

Collection Date: 03/03/2011 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.91		1	03/04/2011 18:20	R146503
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		6	mg/L	1	03/07/2011 11:20	R146524
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		67	mg/L	1	03/04/2011 16:40	66436
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.078		Interference	mg/L	10	03/07/2011 9:12	R146533
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.070		0.120	mg/L	10	03/07/2011 9:12	R146533
<i>Matrix interference present in sample.</i>								
<i>LCS did not recover within QC limits due to equipment malfunction. Batch verified on MS/MSD recovery.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.013	mg/L	1	03/07/2011 11:20	66433
Barium	NELAP	0.0050		0.306	mg/L	1	03/07/2011 11:20	66433
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/07/2011 11:20	66433
Chromium	NELAP	0.0100	J	0.0092	mg/L	1	03/07/2011 11:20	66433
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/07/2011 11:20	66433
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/07/2011 11:20	66433
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/07/2011 12:55	66432
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	03/07/2011 12:30	66442
<i>Hg- Matrix interference present in sample.</i>								
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00010	mg/L	1	03/07/2011 11:14	66425
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Anthracene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Chrysene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Fluorene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Naphthalene	NELAP	0.00010		0.00056	mg/L	1	03/07/2011 11:14	66425
Phenanthrene	NELAP	0.00010		0.00021	mg/L	1	03/07/2011 11:14	66425
Pyrene	NELAP	0.00010		ND	mg/L	1	03/07/2011 11:14	66425
Total PNAs except Naphthalene		0.00013		0.00031	mg/L	1	03/07/2011 11:14	66425
Surr: 2-Fluorobiphenyl		41.1-108		92.0	%REC	1	03/07/2011 11:14	66425
Surr: 2-Fluorophenol		16.8-65.9		52.7	%REC	1	03/07/2011 11:14	66425
Surr: Nitrobenzene-d5		37.6-105		100.6	%REC	1	03/07/2011 11:14	66425
Surr: Phenol-d5		11-42.8		34.5	%REC	1	03/07/2011 11:14	66425
Surr: p-Terphenyl-d14		49-113		105.6	%REC	1	03/07/2011 11:14	66425

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

Lab ID: 11030242-001

Client Sample ID: 4091-treated-3/3/11

Matrix: AQUEOUS

Collection Date: 03/03/2011 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	0.7	µg/L	1	03/04/2011 16:20	66461
Ethylbenzene	NELAP	5.0		ND	µg/L	1	03/04/2011 16:20	66461
Toluene	NELAP	5.0		ND	µg/L	1	03/04/2011 16:20	66461
Xylenes, Total	NELAP	5.0		ND	µg/L	1	03/04/2011 16:20	66461
Surr: 1,2-Dichloroethane-d4		74.7-129		91.2	%REC	1	03/04/2011 16:20	66461
Surr: 4-Bromofluorobenzene		86-119		102.2	%REC	1	03/04/2011 16:20	66461
Surr: Dibromofluoromethane		81.7-123		97.1	%REC	1	03/04/2011 16:20	66461
Surr: Toluene-d8		84.3-114		99.3	%REC	1	03/04/2011 16:20	66461



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030242-001	4091-treated-3/3/11	Aqueous	5	03/03/2011 11:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030242-001A	4091-treated-3/3/11	03/03/2011 11:00	3/4/2011 11:30:00 AM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/05/2011 0:27	03/07/2011 11:14
11030242-001B	4091-treated-3/3/11	03/03/2011 11:00	3/4/2011 11:30:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/04/2011 18:20
	Standard Methods 18th Ed. 2540 D			03/07/2011 11:20
	Standard Methods 18th Ed. 5210 B		03/04/2011 16:40	03/04/2011 16:40
11030242-001C	4091-treated-3/3/11	03/03/2011 11:00	3/4/2011 11:30:00 AM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/04/2011 14:48	03/07/2011 11:20
	SW-846 3020A, Metals by GFAA (Total)		03/04/2011 14:45	03/07/2011 12:55
	SW-846 7470A (Total)		03/07/2011 7:23	03/07/2011 12:30
11030242-001D	4091-treated-3/3/11	03/03/2011 11:00	3/4/2011 11:30:00 AM	
	SW-846 9012A			03/07/2011 9:12
	SW-846 9012A (Total)			03/07/2011 9:12
11030242-001E	4091-treated-3/3/11	03/03/2011 11:00	3/4/2011 11:30:00 AM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/04/2011 16:20

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146503		SampType: LCS		Units							
SampID: LCS-R146503											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		6.98	7.00	0	99.7	99.1	100.9	03/04/2011	

Batch R146503		SampType: DUP		Units				RPD Limit 10			
SampID: 11030242-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.90				8.910	0.11	03/04/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146524		SampType: MBLK		Units mg/L							
SampID: MB-R146524											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/07/2011	

Batch R146524		SampType: LCS		Units mg/L						
SampID: LCS-R146524										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		91	100	0	91.0	85	115	03/07/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	03/07/2011	
Total Suspended Solids	6		90	100	0	90.0	85	115	03/07/2011	

Batch R146524		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11030242-001BDUP										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Total Suspended Solids		6		6				6.000	0.00	03/07/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 66436		SampType: LCS		Units mg/L						
SampID: LCS-66436										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		204	198	0	103.0	84.6	115.4	03/04/2011

Batch 66436		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030242-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		68				67.00	1.48	03/04/2011	

SW-846 9012A (TOTAL)

Batch R146533		SampType: MBLK		Units mg/L						
SampID: MB-R146533										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/07/2011
Cyanide		0.007		< 0.007						03/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

SW-846 9012A (TOTAL)

Batch R146533		SampType: MBLK		Units mg/L						
SampID: MB-R146533										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R146533		SampType: LCS		Units mg/L						
SampID: LCS-R146533										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007	S	< 0.007	0.025	0	0	85	115	03/07/2011
Cyanide		0.007		0.023	0.025	0	93.5	85	115	03/07/2011

Batch R146533		SampType: MS		Units mg/L						
SampID: 11030242-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.074		0.141	0.025	0.1203	84.4	75	125	03/07/2011

Batch R146533		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030242-001DMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Cyanide		0.076		0.148	0.025	0.1203	112.7	0.1414	4.88	03/07/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66433		SampType: MBLK		Units mg/L						
SampID: MB-66433										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/07/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/07/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/07/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/07/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/07/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/07/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/07/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/07/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/07/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/07/2011	

Batch 66433		SampType: LCS		Units mg/L						
SampID: LCS-66433										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.10	2.00	0	105.2	85	115	03/07/2011	
Barium	0.0050		2.04	2.00	0	102.2	85	115	03/07/2011	
Barium	0.0050		1.85	2.00	0	92.6	85	115	03/07/2011	
Cadmium	0.0020		0.0517	0.0500	0	103.4	85	115	03/07/2011	
Cadmium	0.0020		0.0499	0.0500	0	99.8	85	115	03/07/2011	
Chromium	0.0100		0.211	0.200	0	105.4	85	115	03/07/2011	
Chromium	0.0100		0.200	0.200	0	99.8	85	115	03/07/2011	
Selenium	0.0500		2.02	2.00	0	100.8	85	115	03/07/2011	
Silver	0.0100		0.0488	0.0500	0	97.6	85	115	03/07/2011	
Silver	0.0100		0.0524	0.0500	0	104.8	85	115	03/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66433		SampType: LCS		Units mg/L						
SampID: LCS-66433										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed

Batch 66433		SampType: MS		Units mg/L						
SampID: 11030242-001CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.14	2.00	0.01260	106.3	75	125	03/07/2011
Barium		0.0050		2.27	2.00	0.3062	98.2	75	125	03/07/2011
Cadmium		0.0020		0.0501	0.0500	0	100.2	75	125	03/07/2011
Chromium		0.0100		0.212	0.200	0.009200	101.2	75	125	03/07/2011
Selenium		0.0500		2.03	2.00	0	101.5	75	125	03/07/2011
Silver		0.0100		0.0520	0.0500	0	104.0	75	125	03/07/2011

Batch 66433		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11030242-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.04	2.00	0.01260	101.3	2.138	4.79	03/07/2011
Barium		0.0050		2.16	2.00	0.3062	92.9	2.271	4.83	03/07/2011
Cadmium		0.0020		0.0479	0.0500	0	95.8	0.05010	4.49	03/07/2011
Chromium		0.0100		0.206	0.200	0.009200	98.4	0.2115	2.63	03/07/2011
Selenium		0.0500		1.94	2.00	0	97.2	2.029	4.33	03/07/2011
Silver		0.0100		0.0504	0.0500	0	100.8	0.05200	3.12	03/07/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66432		SampType: MBLK		Units mg/L						Date Analyzed	
SampID: MB-66432											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/07/2011	

Batch 66432		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-66432										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0147	0.0150	0	97.8	80	120	03/07/2011

Batch 66432		SampType: MS		Units mg/L						Date Analyzed
SampID: 11030242-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0134	0.0150	0	89.3	70	130	03/07/2011

Batch 66432		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11030242-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0141	0.0150	0	94.2	0.01339	5.30	03/07/2011

SW-846 7470A (TOTAL)

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

SW-846 7470A (TOTAL)

Batch 66442		SampType: MBLK		Units mg/L						
SampID: MB-66442										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/07/2011

Batch 66442		SampType: LCS		Units mg/L						
SampID: LCS-66442										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		0.00525	0.00500	0	105.0	85	115	03/07/2011

Batch 66442		SampType: MS		Units mg/L						
SampID: 11030242-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	0.00334	0.00500	0	66.8	75	125	03/07/2011

Batch 66442		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030242-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	S	0.00357	0.00500	0	71.4	0.003340	6.66	03/07/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	66425	SampType:	MBLK	Units mg/L						
SampID: MB-66425										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						03/07/2011	
Acenaphthylene	0.00010		ND						03/07/2011	
Anthracene	0.00010		ND						03/07/2011	
Benzo(a)anthracene	0.00010		ND						03/07/2011	
Benzo(a)pyrene	0.00010		ND						03/07/2011	
Benzo(b)fluoranthene	0.00010		ND						03/07/2011	
Benzo(g,h,i)perylene	0.00010		ND						03/07/2011	
Benzo(k)fluoranthene	0.00010		ND						03/07/2011	
Chrysene	0.00010		ND						03/07/2011	
Dibenzo(a,h)anthracene	0.00010		ND						03/07/2011	
Fluoranthene	0.00010		ND						03/07/2011	
Fluorene	0.00010		ND						03/07/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/07/2011	
Naphthalene	0.00010		ND						03/07/2011	
Phenanthrene	0.00010		ND						03/07/2011	
Pyrene	0.00010		ND						03/07/2011	
Surr: 2-Fluorobiphenyl			0.00382	0.00500		76.4	41.9	97.9	03/07/2011	
Surr: 2-Fluorophenol			0.00496	0.0100		49.6	16.1	79.2	03/07/2011	
Surr: Nitrobenzene-d5			0.00415	0.00500		83.0	39.9	106	03/07/2011	
Surr: Phenol-d5			0.00316	0.0100		31.6	9.94	53.7	03/07/2011	
Surr: p-Terphenyl-d14			0.00448	0.00500		89.6	53	116	03/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66425		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-66425										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00416	0.00500	0	83.2	50.1	103	03/07/2011	
Acenaphthylene	0.00010		0.00429	0.00500	0	85.8	53.3	122	03/07/2011	
Anthracene	0.00010		0.00446	0.00500	0	89.2	57.4	110	03/07/2011	
Benzo(a)anthracene	0.00010		0.00426	0.00500	0	85.2	56	102	03/07/2011	
Benzo(a)pyrene	0.00010		0.00469	0.00500	0	93.8	55.4	125	03/07/2011	
Benzo(b)fluoranthene	0.00010		0.00474	0.00500	0	94.8	59.3	127	03/07/2011	
Benzo(g,h,i)perylene	0.00010		0.00469	0.00500	0	93.8	58.4	125	03/07/2011	
Benzo(k)fluoranthene	0.00010		0.00477	0.00500	0	95.4	61.5	125	03/07/2011	
Chrysene	0.00010		0.00464	0.00500	0	92.8	58.7	118	03/07/2011	
Dibenzo(a,h)anthracene	0.00010		0.00454	0.00500	0	90.8	59.3	126	03/07/2011	
Fluoranthene	0.00010		0.00450	0.00500	0	90.0	60.1	117	03/07/2011	
Fluorene	0.00010		0.00428	0.00500	0	85.6	54.1	110	03/07/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00464	0.00500	0	92.8	58.1	123	03/07/2011	
Naphthalene	0.00010		0.00388	0.00500	0	77.6	36.3	97.1	03/07/2011	
Phenanthrene	0.00010		0.00449	0.00500	0	89.8	55.9	107	03/07/2011	
Pyrene	0.00010		0.00451	0.00500	0	90.2	61.4	116	03/07/2011	
Surr: 2-Fluorobiphenyl			0.00356	0.00500		71.2	41.9	97.9	03/07/2011	
Surr: 2-Fluorophenol			0.00467	0.0100		46.7	16.1	79.2	03/07/2011	
Surr: Nitrobenzene-d5			0.00367	0.00500		73.4	39.9	106	03/07/2011	
Surr: Phenol-d5			0.00291	0.0100		29.1	9.94	53.7	03/07/2011	
Surr: p-Terphenyl-d14			0.00434	0.00500		86.8	53	116	03/07/2011	

Batch 66425		SampType: LCSD		Units mg/L		RPD Limit 50				Date Analyzed
SampID: LCSD-66425										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00486	0.00500	0	97.2	0.004160	15.52	03/07/2011	
Acenaphthylene	0.00010		0.00491	0.00500	0	98.2	0.004290	13.48	03/07/2011	
Anthracene	0.00010		0.00492	0.00500	0	98.4	0.004460	9.81	03/07/2011	
Benzo(a)anthracene	0.00010		0.00471	0.00500	0	94.2	0.004260	10.03	03/07/2011	
Benzo(a)pyrene	0.00010		0.00530	0.00500	0	106.0	0.004690	12.21	03/07/2011	
Benzo(b)fluoranthene	0.00010		0.00548	0.00500	0	109.6	0.004740	14.48	03/07/2011	
Benzo(g,h,i)perylene	0.00010		0.00531	0.00500	0	106.2	0.004690	12.40	03/07/2011	
Benzo(k)fluoranthene	0.00010		0.00534	0.00500	0	106.8	0.004770	11.28	03/07/2011	
Chrysene	0.00010		0.00516	0.00500	0	103.2	0.004640	10.61	03/07/2011	
Dibenzo(a,h)anthracene	0.00010		0.00517	0.00500	0	103.4	0.004540	12.98	03/07/2011	
Fluoranthene	0.00010		0.00502	0.00500	0	100.4	0.004500	10.92	03/07/2011	
Fluorene	0.00010		0.00499	0.00500	0	99.8	0.004280	15.32	03/07/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00528	0.00500	0	105.6	0.004640	12.90	03/07/2011	
Naphthalene	0.00010		0.00435	0.00500	0	87.0	0.003880	11.42	03/07/2011	
Phenanthrene	0.00010		0.00490	0.00500	0	98.0	0.004490	8.73	03/07/2011	
Pyrene	0.00010		0.00500	0.00500	0	100	0.004510	10.30	03/07/2011	
Surr: 2-Fluorobiphenyl			0.00416	0.00500		83.2			03/07/2011	
Surr: 2-Fluorophenol			0.00517	0.0100		51.7			03/07/2011	
Surr: Nitrobenzene-d5			0.00421	0.00500		84.2			03/07/2011	
Surr: Phenol-d5			0.00313	0.0100		31.3			03/07/2011	
Surr: p-Terphenyl-d14			0.00475	0.00500		95.0			03/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66461		SampType: MBLK		Units µg/L						
SampID: MBLK-N110304-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						03/04/2011
Ethylbenzene		5.0		ND						03/04/2011
Toluene		5.0		ND						03/04/2011
Xylenes, Total		5.0		ND						03/04/2011
Surr: 1,2-Dichloroethane-d4				47.0	50.0		94.0	74.7	129	03/04/2011
Surr: 4-Bromofluorobenzene				50.8	50.0		101.7	86	119	03/04/2011
Surr: Dibromofluoromethane				50.0	50.0		99.9	81.7	123	03/04/2011
Surr: Toluene-d8				50.8	50.0		101.7	84.3	114	03/04/2011

Batch 66461		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-N110304-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		49.9	50.0	0	99.8	47.96	3.98	03/04/2011	
Ethylbenzene	5.0		52.4	50.0	0	104.9	51.08	2.65	03/04/2011	
Toluene	5.0		57.4	50.0	0	114.7	54.75	4.67	03/04/2011	
Xylenes, Total	5.0		159	150	0	105.8	152.6	3.96	03/04/2011	
Surr: 1,2-Dichloroethane-d4			47.5	50.0		95.0			03/04/2011	
Surr: 4-Bromofluorobenzene			51.6	50.0		103.1			03/04/2011	
Surr: Dibromofluoromethane			49.8	50.0		99.5			03/04/2011	
Surr: Toluene-d8			50.2	50.0		100.5			03/04/2011	

Batch 66461		SampType: LCS		Units µg/L						
SampID: LCS-N110304-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		48.0	50.0	0	95.9	82.7	117	03/04/2011
Ethylbenzene		5.0		51.1	50.0	0	102.2	83	113	03/04/2011
Toluene		5.0		54.8	50.0	0	109.5	79.6	116	03/04/2011
Xylenes, Total		5.0		153	150	0	101.7	80.3	120	03/04/2011
Surr: 1,2-Dichloroethane-d4				47.2	50.0		94.4	74.7	129	03/04/2011
Surr: 4-Bromofluorobenzene				52.0	50.0		104.1	86	119	03/04/2011
Surr: Dibromofluoromethane				50.3	50.0		100.5	81.7	123	03/04/2011
Surr: Toluene-d8				50.6	50.0		101.3	84.3	114	03/04/2011

Batch 66461		SampType: MS		Units µg/L					
SampID: 11030242-001EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		54.9	48.0	0.6900	113.0	57.8	125	03/04/2011
Ethylbenzene	5.0		56.2	48.0	0	117.1	72.8	123	03/04/2011
Toluene	5.0		56.4	48.0	0	117.5	75.8	123	03/04/2011
Xylenes, Total	5.0		111	96.0	0	115.8	73	127	03/04/2011
Surr: 1,2-Dichloroethane-d4			45.9	50.0		91.9	74.7	129	03/04/2011
Surr: 4-Bromofluorobenzene			49.8	50.0		99.5	86	119	03/04/2011
Surr: Dibromofluoromethane			49.8	50.0		99.7	81.7	123	03/04/2011
Surr: Toluene-d8			49.7	50.0		99.3	84.3	114	03/04/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66461		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11030242-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		55.0	48.0	0.6900	113.2	54.93	0.15	03/04/2011	
Ethylbenzene	5.0		55.6	48.0	0	115.9	56.20	1.06	03/04/2011	
Toluene	5.0		55.0	48.0	0	114.7	56.40	2.42	03/04/2011	
Xylenes, Total	5.0		111	96.0	0	115.9	111.2	0.07	03/04/2011	
Surr: 1,2-Dichloroethane-d4			46.4	50.0		92.7			03/04/2011	
Surr: 4-Bromofluorobenzene			50.6	50.0		101.3			03/04/2011	
Surr: Dibromofluoromethane			49.6	50.0		99.3			03/04/2011	
Surr: Toluene-d8			50.0	50.0		99.9			03/04/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030242

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 10-Mar-11

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

04-Mar-11

Timothy W. Mathis

Reviewed by:

On:

04-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09989

11030242

[illegible]

March 14, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030367

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/8/2011 2:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030367**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 14-Mar-11**Cooler Receipt Temp:** 5.6 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

Lab ID: 11030367-001

Client Sample ID: 30984-Treated-3/8/11

Matrix: AQUEOUS

Collection Date: 03/08/2011 8:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.35		1	03/08/2011 16:49	R146607
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		7	mg/L	1	03/08/2011 15:00	R146586
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		35	mg/L	1	03/09/2011 14:10	66530
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	03/09/2011 8:16	R146628
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.014		0.062	mg/L	2	03/09/2011 8:16	R146628
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/09/2011 10:43	66503
Barium	NELAP	0.0050		0.310	mg/L	1	03/09/2011 10:43	66503
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/09/2011 10:43	66503
Chromium	NELAP	0.0100	J	0.0047	mg/L	1	03/09/2011 10:43	66503
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/09/2011 10:43	66503
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/09/2011 10:43	66503
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/09/2011 15:33	66502
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/09/2011 12:00	66488
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Anthracene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Chrysene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Fluorene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Naphthalene	NELAP	0.00010		0.00024	mg/L	1	03/09/2011 10:31	66484
Phenanthrene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Pyrene	NELAP	0.00010		ND	mg/L	1	03/09/2011 10:31	66484
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	03/09/2011 10:31	66484
Surr: 2-Fluorobiphenyl		41.1-108		68.2	%REC	1	03/09/2011 10:31	66484
Surr: 2-Fluorophenol		16.8-65.9		38.8	%REC	1	03/09/2011 10:31	66484
Surr: Nitrobenzene-d5		37.6-105		75.2	%REC	1	03/09/2011 10:31	66484
Surr: Phenol-d5		11-42.8		24.0	%REC	1	03/09/2011 10:31	66484
Surr: p-Terphenyl-d14		49-113		75.2	%REC	1	03/09/2011 10:31	66484
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	03/08/2011 18:21	66524
Ethylbenzene	NELAP	5.0		ND	µg/L	1	03/08/2011 18:21	66524

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030367**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 14-Mar-11**Lab ID:** 11030367-001**Client Sample ID:** 30984-Treated-3/8/11**Matrix:** AQUEOUS**Collection Date:** 03/08/2011 8:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	03/08/2011 18:21	66524
Xylenes, Total	NELAP	5.0		ND	µg/L	1	03/08/2011 18:21	66524
Surr: 1,2-Dichloroethane-d4		74.7-129		102.1	%REC	1	03/08/2011 18:21	66524
Surr: 4-Bromofluorobenzene		86-119		99.8	%REC	1	03/08/2011 18:21	66524
Surr: Dibromofluoromethane		81.7-123		105.0	%REC	1	03/08/2011 18:21	66524
Surr: Toluene-d8		84.3-114		95.9	%REC	1	03/08/2011 18:21	66524



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030367-001	30984-Treated-3/8/11	Aqueous	5	03/08/2011 8:18

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030367-001A	30984-Treated-3/8/11	03/08/2011 8:18	3/8/2011 2:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/08/2011 17:59	03/09/2011 10:31
11030367-001B	30984-Treated-3/8/11	03/08/2011 8:18	3/8/2011 2:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/08/2011 16:49
	Standard Methods 18th Ed. 2540 D			03/08/2011 15:00
	Standard Methods 18th Ed. 5210 B		03/09/2011 14:10	03/09/2011 14:10
11030367-001C	30984-Treated-3/8/11	03/08/2011 8:18	3/8/2011 2:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/08/2011 15:10	03/09/2011 10:43
	SW-846 3020A, Metals by GFAA (Total)		03/08/2011 15:07	03/09/2011 15:33
	SW-846 7470A (Total)		03/09/2011 8:44	03/09/2011 12:00
11030367-001D	30984-Treated-3/8/11	03/08/2011 8:18	3/8/2011 2:30:00 PM	
	SW-846 9012A			03/09/2011 8:16
	SW-846 9012A (Total)			03/09/2011 8:16
11030367-001E	30984-Treated-3/8/11	03/08/2011 8:18	3/8/2011 2:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/08/2011 18:21

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146607		SampType: LCS		Units						
SampID: LCS-R146607										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.9	03/08/2011

Batch R146607		SampType: DUP		Units				RPD Limit 10			
SampID: 11030367-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.36				8.350	0.12	03/08/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146586		SampType: MBLK		Units mg/L							
SampID: MB-R146586											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/08/2011	

Batch R146586		SampType: LCS		Units mg/L						
SampID: LCS-R146586										Date
Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Suspended Solids	6		95	100	0	95.0		85	115	03/08/2011
Total Suspended Solids	6		95	100	0	95.0		85	115	03/08/2011
Total Suspended Solids	6		97	100	0	97.0		85	115	03/08/2011

Batch R146586		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11030367-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		8				7.000	13.33	03/08/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66530		SampType: LCS		Units mg/L							
SampID: LCS-66530											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		200	198	0	101.0	84.6	115.4	03/09/2011	

Batch 66530		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030367-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		36				35.00	2.82	03/09/2011	

SW-846 9012A (TOTAL)

Batch R146628		SampType: MBLK		Units mg/L						
SampID: MB-R146628										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/09/2011
Cyanide		0.007		< 0.007						03/09/2011
Cyanide		0.008		< 0.008						03/09/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

SW-846 9012A (TOTAL)

Batch R146628	SampType: MBLK	Units mg/L									
SampID: MB-R146628											Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			

Batch R146628		SampType: LCS		Units mg/L						
SampID: LCS-R146628										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.026	0.025	0	104.6	85	115	03/09/2011	
Cyanide	0.007		0.026	0.025	0	102.3	85	115	03/09/2011	
Cyanide	0.008		0.028	0.025	0	110.4	85	115	03/09/2011	

Batch R146628		SampType: MS		Units mg/L						
SampID: 11030367-001DMS										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.014		0.082	0.025	0.06188	81.8	75	125	03/09/2011

Batch R146628		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11030367-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.014		0.090	0.025	0.06188	113.4	0.08233	9.17	03/09/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66503		SampType: MBLK	Units mg/L							
SampID: MB-66503										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/09/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/09/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/09/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/09/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/11/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/09/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/09/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/09/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/09/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/09/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/09/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/09/2011	

Batch 66503		SampType: LCS		Units mg/L						
SampID: LCS-66503										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		2.18	2.00	0	108.8	85	115	03/09/2011
Arsenic		0.0250		2.01	2.00	0	100.5	85	115	03/09/2011
Barium		0.0050		1.92	2.00	0	96.0	85	115	03/09/2011
Barium		0.0050		2.06	2.00	0	102.8	85	115	03/09/2011
Cadmium		0.0020		0.0523	0.0500	0	104.6	85	115	03/09/2011
Cadmium		0.0020		0.0504	0.0500	0	100.8	85	115	03/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66503		SampType: LCS		Units mg/L						
SampID: LCS-66503										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chromium	0.0100		0.205	0.200	0	102.4	85	115	03/09/2011	
Chromium	0.0100		0.213	0.200	0	106.4	85	115	03/09/2011	
Selenium	0.0500		2.02	2.00	0	100.8	85	115	03/09/2011	
Selenium	0.0500		2.06	2.00	0	103.0	85	115	03/09/2011	
Silver	0.0100		0.0517	0.0500	0	103.4	85	115	03/09/2011	
Silver	0.0100		0.0531	0.0500	0	106.2	85	115	03/09/2011	

Batch 66503		SampType: MS		Units mg/L					
SampID: 11030367-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.08	2.00	0	104.2	75	125	03/09/2011
Barium	0.0050		2.14	2.00	0.3100	91.3	75	125	03/09/2011
Cadmium	0.0020		0.0482	0.0500	0	96.4	75	125	03/09/2011
Chromium	0.0100		0.198	0.200	0.004700	96.8	75	125	03/09/2011
Selenium	0.0500		1.96	2.00	0	97.9	75	125	03/09/2011
Silver	0.0100		0.0493	0.0500	0	98.6	75	125	03/09/2011

Batch 66503		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11030367-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.14	2.00	0	106.8	2.083	2.47	03/09/2011
Barium		0.0050		2.18	2.00	0.3100	93.6	2.135	2.18	03/09/2011
Cadmium		0.0020		0.0489	0.0500	0	97.8	0.04820	1.44	03/09/2011
Chromium		0.0100		0.203	0.200	0.004700	99.4	0.1983	2.54	03/09/2011
Selenium		0.0500		2.01	2.00	0	100.4	1.958	2.47	03/09/2011
Silver		0.0100		0.0510	0.0500	0	102.0	0.04930	3.39	03/09/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66502		SampType: MBLK		Units mg/L						
SampID: MB-66502										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/09/2011

Batch 66502		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-66502										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0132	0.0150	0	87.7	80	120	

Batch 66502		SampType: MS		Units mg/L						Date Analyzed
SampID: 11030367-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0141	0.0150	0	94.0	70	130	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66502		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11030367-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0140	0.0150	0	93.1	0.01410	0.94	03/09/2011

SW-846 7470A (TOTAL)

Batch 66488		SampType: MBLK		Units mg/L						
SampID: MB-66488										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/09/2011

Batch 66488		SampType: LCS		Units mg/L						
SampID: LCS-66488										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00505	0.00500	0	101.0	85	115	03/09/2011

Batch 66488		SampType: MS		Units mg/L						
SampID: 11030367-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00492	0.00500	0	98.4	75	125	03/09/2011

Batch 66488		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 11030367-001CMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00508	0.00500	0	101.6	0.004920	3.20	03/09/2011	

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66484	SampType: MBLK	Units mg/L								
SampID: MB-66484										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						03/08/2011	
Acenaphthylene	0.00010		ND						03/08/2011	
Anthracene	0.00010		ND						03/08/2011	
Benzo(a)anthracene	0.00010		ND						03/08/2011	
Benzo(a)pyrene	0.00010		ND						03/08/2011	
Benzo(b)fluoranthene	0.00010		ND						03/08/2011	
Benzo(g,h,i)perylene	0.00010		ND						03/08/2011	
Benzo(k)fluoranthene	0.00010		ND						03/08/2011	
Chrysene	0.00010		ND						03/08/2011	
Dibenzo(a,h)anthracene	0.00010		ND						03/08/2011	
Fluoranthene	0.00010		ND						03/08/2011	
Fluorene	0.00010		ND						03/08/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/08/2011	
Naphthalene	0.00010		ND						03/08/2011	
Phenanthrene	0.00010		ND						03/08/2011	
Pyrene	0.00010		ND						03/08/2011	
Surr: 2-Fluorobiphenyl			0.00357	0.00500		71.4	41.9	97.9	03/08/2011	

Client: PSC Industrial Outsourcing, LP

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Report Date: 14-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66484		SampType: MBLK		Units mg/L						
SampID: MB-66484										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorophenol				0.00478	0.0100		47.8	16.1	79.2	03/08/2011
Surr: Nitrobenzene-d5				0.00376	0.00500		75.2	39.9	106	03/08/2011
Surr: Phenol-d5				0.00290	0.0100		29.0	9.94	53.7	03/08/2011
Surr: p-Terphenyl-d14				0.00415	0.00500		83.0	53	116	03/08/2011

Batch 66484		SampType: LCS		Units mg/L						
SampID: LCS-66484										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00427	0.00500	0	85.4	50.1	103	03/08/2011	
Acenaphthylene	0.00010		0.00440	0.00500	0	88.0	53.3	122	03/08/2011	
Anthracene	0.00010		0.00444	0.00500	0	88.8	57.4	110	03/08/2011	
Benzo(a)anthracene	0.00010		0.00407	0.00500	0	81.4	56	102	03/08/2011	
Benzo(a)pyrene	0.00010		0.00468	0.00500	0	93.6	55.4	125	03/08/2011	
Benzo(b)fluoranthene	0.00010		0.00471	0.00500	0	94.2	59.3	127	03/08/2011	
Benzo(g,h,i)perylene	0.00010		0.00409	0.00500	0	81.8	58.4	125	03/08/2011	
Benzo(k)fluoranthene	0.00010		0.00465	0.00500	0	93.0	61.5	125	03/08/2011	
Chrysene	0.00010		0.00447	0.00500	0	89.4	58.7	118	03/08/2011	
Dibenzo(a,h)anthracene	0.00010		0.00439	0.00500	0	87.8	59.3	126	03/08/2011	
Fluoranthene	0.00010		0.00445	0.00500	0	89.0	60.1	117	03/08/2011	
Fluorene	0.00010		0.00446	0.00500	0	89.2	54.1	110	03/08/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00441	0.00500	0	88.2	58.1	123	03/08/2011	
Naphthalene	0.00010		0.00417	0.00500	0	83.4	36.3	97.1	03/08/2011	
Phenanthrene	0.00010		0.00439	0.00500	0	87.8	55.9	107	03/08/2011	
Pyrene	0.00010		0.00449	0.00500	0	89.8	61.4	116	03/08/2011	
Surr: 2-Fluorobiphenyl			0.00384	0.00500		76.8	41.9	97.9	03/08/2011	
Surr: 2-Fluorophenol			0.00496	0.0100		49.6	16.1	79.2	03/08/2011	
Surr: Nitrobenzene-d5			0.00399	0.00500		79.8	39.9	106	03/08/2011	
Surr: Phenol-d5			0.00308	0.0100		30.8	9.94	53.7	03/08/2011	
Surr: p-Terphenyl-d14			0.00423	0.00500		84.6	53	116	03/08/2011	

Batch 66484		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66484										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00424	0.00500	0	84.8	0.004270	0.71		03/08/2011
Acenaphthylene	0.00010		0.00430	0.00500	0	86.0	0.004400	2.30		03/08/2011
Anthracene	0.00010		0.00436	0.00500	0	87.2	0.004440	1.82		03/08/2011
Benzo(a)anthracene	0.00010		0.00405	0.00500	0	81.0	0.004070	0.49		03/08/2011
Benzo(a)pyrene	0.00010		0.00465	0.00500	0	93.0	0.004680	0.64		03/08/2011
Benzo(b)fluoranthene	0.00010		0.00459	0.00500	0	91.8	0.004710	2.58		03/08/2011
Benzo(g,h,i)perylene	0.00010		0.00422	0.00500	0	84.4	0.004090	3.13		03/08/2011
Benzo(k)fluoranthene	0.00010		0.00459	0.00500	0	91.8	0.004650	1.30		03/08/2011
Chrysene	0.00010		0.00441	0.00500	0	88.2	0.004470	1.35		03/08/2011
Dibenzo(a,h)anthracene	0.00010		0.00444	0.00500	0	88.8	0.004390	1.13		03/08/2011
Fluoranthene	0.00010		0.00443	0.00500	0	88.6	0.004450	0.45		03/08/2011
Fluorene	0.00010		0.00436	0.00500	0	87.2	0.004460	2.27		03/08/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00442	0.00500	0	88.4	0.004410	0.23		03/08/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66484		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66484										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Naphthalene		0.00010		0.00408	0.00500	0	81.6	0.004170	2.18	03/08/2011
Phenanthrene		0.00010		0.00423	0.00500	0	84.6	0.004390	3.71	03/08/2011
Pyrene		0.00010		0.00438	0.00500	0	87.6	0.004490	2.48	03/08/2011
Surr: 2-Fluorobiphenyl				0.00365	0.00500		73.0			03/08/2011
Surr: 2-Fluorophenol				0.00496	0.0100		49.6			03/08/2011
Surr: Nitrobenzene-d5				0.00384	0.00500		76.8			03/08/2011
Surr: Phenol-d5				0.00300	0.0100		30.0			03/08/2011
Surr: p-Terphenyl-d14				0.00414	0.00500		82.8			03/08/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66524		SampType: MBLK		Units µg/L						
SampID: MBLK-T110308-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						03/08/2011
Ethylbenzene		5.0		ND						03/08/2011
Toluene		5.0		ND						03/08/2011
Xylenes, Total		5.0		ND						03/08/2011
Surr: 1,2-Dichloroethane-d4				51.2	50.0		102.3	74.7	129	03/08/2011
Surr: 4-Bromofluorobenzene				51.4	50.0		102.7	86	119	03/08/2011
Surr: Dibromofluoromethane				51.7	50.0		103.4	81.7	123	03/08/2011
Surr: Toluene-d8				48.5	50.0		97.0	84.3	114	03/08/2011

Batch 66524		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110308-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		47.1	50.0	0	94.3	46.03	2.36	03/08/2011	
Ethylbenzene	5.0		48.9	50.0	0	97.9	47.30	3.39	03/08/2011	
Toluene	5.0		47.9	50.0	0	95.8	46.59	2.81	03/08/2011	
Xylenes, Total	5.0		150	150	0	99.7	145.7	2.68	03/08/2011	
Surr: 1,2-Dichloroethane-d4			50.9	50.0		101.7			03/08/2011	
Surr: 4-Bromofluorobenzene			51.0	50.0		101.9			03/08/2011	
Surr: Dibromofluoromethane			52.2	50.0		104.5			03/08/2011	
Surr: Toluene-d8			48.5	50.0		97.0			03/08/2011	

Batch 66524		SampType: LCS		Units µg/L						
SampID: LCS-T110308-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		46.0	50.0	0	92.1	82.7	117	03/08/2011	
Ethylbenzene	5.0		47.3	50.0	0	94.6	83	113	03/08/2011	
Toluene	5.0		46.6	50.0	0	93.2	79.6	116	03/08/2011	
Xylenes, Total	5.0		146	150	0	97.1	80.3	120	03/08/2011	
Surr: 1,2-Dichloroethane-d4			51.0	50.0		102.0	74.7	129	03/08/2011	
Surr: 4-Bromofluorobenzene			51.6	50.0		103.2	86	119	03/08/2011	
Surr: Dibromofluoromethane			52.4	50.0		104.8	81.7	123	03/08/2011	
Surr: Toluene-d8			47.9	50.0		95.9	84.3	114	03/08/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66524 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110308-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch 66524 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11030367-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		53.3	60.0	0	88.8	57.8	125	03/08/2011
Ethylbenzene	5.0		63.0	60.0	0	104.9	72.8	123	03/08/2011
Toluene	5.0		58.6	60.0	0	97.6	75.8	123	03/08/2011
Xylenes, Total	5.0		123	120	0	102.7	73	127	03/08/2011
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.5	74.7	129	03/08/2011
Surr: 4-Bromofluorobenzene			50.8	50.0		101.7	86	119	03/08/2011
Surr: Dibromofluoromethane			51.7	50.0		103.4	81.7	123	03/08/2011
Surr: Toluene-d8			47.6	50.0		95.2	84.3	114	03/08/2011

Batch 66524 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11030367-001EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		52.5	60.0	0	87.5	53.30	1.55	03/08/2011
Ethylbenzene	5.0		62.9	60.0	0	104.9	62.96	0.06	03/08/2011
Toluene	5.0		58.1	60.0	0	96.9	58.55	0.75	03/08/2011
Xylenes, Total	5.0		124	120	0	103.0	123.2	0.28	03/08/2011
Surr: 1,2-Dichloroethane-d4			51.0	50.0		102.0			03/08/2011
Surr: 4-Bromofluorobenzene			50.7	50.0		101.5			03/08/2011
Surr: Dibromofluoromethane			51.7	50.0		103.4			03/08/2011
Surr: Toluene-d8			47.8	50.0		95.7			03/08/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030367

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Mar-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

08-Mar-11

Timothy W. Mathis

Reviewed by:

On:

08-Mar-11

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09990

Project Name: Champaign M6P Project Mgr.: P. SARAZAMA

Project Number: 624-038-0120 Cost Code: 50002

Sampler(s): J. Blanton

Laboratory Name: TEKLAB

Location: COLLINSVILLE

Sample Number and (depth) 30984-treated-3/8/11 Date 3/8/11 Time 8:18

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Total Number of Containers

Analyses by Method Name and Number

BTEX (8260) ☒
SVOC (8270 SIM) ☒
RCA METALS ☒
TOTAL AMENABLE ☒
CYANIDE ☒
TSS ☒
BOD's ☒
pH ☒

Laboratory
Temperature upon
Receipt
5.6 °C

Headspace
PresV 3.8 117m

Comments (Field PID)

*RUSH

Lab ID #'s

11030367-001

1 DAY

Teklab, Inc.
Courier PickUp

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☐ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. SARAZAMA & L. HODSIE
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Dusan Lukac
3/8/11
11:35

Received by:

Signature

Date

Time

Murray A. Darling II
3/8/11
1430

March 15, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030426

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/9/2011 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
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Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030426**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 15-Mar-11**Cooler Receipt Temp:** 4.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

Lab ID: 11030426-001

Client Sample ID: 4091 Treated 3/9/11

Matrix: AQUEOUS

Collection Date: 03/09/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.46		1	03/09/2011 16:21	R146653
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	03/10/2011 12:00	R146701
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		35	mg/L	1	03/10/2011 12:20	66532
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.030		Interference	mg/L	4	03/10/2011 8:32	R146700
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	S	0.089	mg/L	4	03/10/2011 8:32	R146700
<i>MS/MSD did not recover. Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/10/2011 9:40	66520
Barium	NELAP	0.0050		0.298	mg/L	1	03/10/2011 9:40	66520
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/10/2011 9:40	66520
Chromium	NELAP	0.0100	J	0.0057	mg/L	1	03/10/2011 9:40	66520
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/10/2011 9:40	66520
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/10/2011 9:40	66520
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/10/2011 14:04	66528
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/10/2011 11:40	66539
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Anthracene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Chrysene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Fluorene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Naphthalene	NELAP	0.00010		0.00023	mg/L	1	03/10/2011 10:35	66537
Phenanthrene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Pyrene	NELAP	0.00010		ND	mg/L	1	03/10/2011 10:35	66537
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	03/10/2011 10:35	66537
Surr: 2-Fluorobiphenyl		41.1-108		71.8	%REC	1	03/10/2011 10:35	66537
Surr: 2-Fluorophenol		16.8-65.9		41.1	%REC	1	03/10/2011 10:35	66537
Surr: Nitrobenzene-d5		37.6-105		79.4	%REC	1	03/10/2011 10:35	66537
Surr: Phenol-d5		11-42.8		24.6	%REC	1	03/10/2011 10:35	66537
Surr: p-Terphenyl-d14		49-113		73.2	%REC	1	03/10/2011 10:35	66537
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	0.6	µg/L	1	03/09/2011 22:31	66553

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

Lab ID: 11030426-001

Client Sample ID: 4091 Treated 3/9/11

Matrix: AQUEOUS

Collection Date: 03/09/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	03/09/2011 22:31	66553
Toluene	NELAP	5.0		ND	µg/L	1	03/09/2011 22:31	66553
Xylenes, Total	NELAP	5.0		ND	µg/L	1	03/09/2011 22:31	66553
Surr: 1,2-Dichloroethane-d4		74.7-129		102.4	%REC	1	03/09/2011 22:31	66553
Surr: 4-Bromofluorobenzene		86-119		104.5	%REC	1	03/09/2011 22:31	66553
Surr: Dibromofluoromethane		81.7-123		104.7	%REC	1	03/09/2011 22:31	66553
Surr: Toluene-d8		84.3-114		94.9	%REC	1	03/09/2011 22:31	66553



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030426-001	4091 Treated 3/9/11	Aqueous	5	03/09/2011 9:10

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030426-001A	4091 Treated 3/9/11	03/09/2011 9:10	3/9/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/09/2011 18:00	03/10/2011 10:35
11030426-001B	4091 Treated 3/9/11	03/09/2011 9:10	3/9/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/09/2011 16:21
	Standard Methods 18th Ed. 2540 D			03/10/2011 12:00
	Standard Methods 18th Ed. 5210 B		03/10/2011 12:20	03/10/2011 12:20
11030426-001C	4091 Treated 3/9/11	03/09/2011 9:10	3/9/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/09/2011 15:33	03/10/2011 9:40
	SW-846 3020A, Metals by GFAA (Total)		03/09/2011 15:32	03/10/2011 14:04
	SW-846 7470A (Total)		03/10/2011 8:15	03/10/2011 11:40
11030426-001D	4091 Treated 3/9/11	03/09/2011 9:10	3/9/2011 3:00:00 PM	
	SW-846 9012A			03/10/2011 8:32
	SW-846 9012A (Total)			03/10/2011 8:32
11030426-001E	4091 Treated 3/9/11	03/09/2011 9:10	3/9/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/09/2011 22:31

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146653		SampType: LCS		Units							
SampID: LCS-R146653											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	03/09/2011	

Batch R146653		SampType: DUP		Units				RPD Limit 10			
SampID: 11030426-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.48				8.460	0.24	03/09/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146701		SampType: MBLK		Units mg/L							
SampID: MB-R146701											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/10/2011	

Batch R146701		SampType: LCS		Units mg/L						
SampID: LCS-R146701										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		92	100	0	92.0	85	115	03/10/2011
Total Suspended Solids		6		94	100	0	94.0	85	115	03/10/2011
Total Suspended Solids		6		95	100	0	95.0	85	115	03/10/2011

Batch R146701		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11030426-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		8				8.000	0.00	03/10/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 66532		SampType: LCS		Units mg/L							
SampID: LCS-66532											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Biochemical Oxygen Demand		5		192	198	0	97.0	84.6	115.4	03/10/2011	

Batch 66532		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030426-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		34				35.00	2.90	03/10/2011	

SW-846 9012A (TOTAL)

Batch R146700		SampType: MBLK		Units mg/L						
SampID: MB-R146700										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/10/2011
Cyanide		0.007		< 0.007						03/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

SW-846 9012A (TOTAL)

Batch R146700		SampType: MBLK		Units mg/L							
SampID: MB-R146700											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Batch R146700		SampType: LCS		Units mg/L							
SampID: LCS-R146700											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.007		0.026	0.025	0	104.8	85	115	03/10/2011	
Cyanide		0.007		0.026	0.025	0	103.3	90	110	03/10/2011	

Batch R146700		SampType: MS		Units mg/L						
SampID: 11030426-001DMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.028	S	0.096	0.025	0.08871	27.2	75	125	03/10/2011

Batch R146700		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030426-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028	S	0.103	0.025	0.08871	57.3	0.09550	7.60	03/10/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66520		SampType: MBLK		Units mg/L						
SampID: MB-66520										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	03/10/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	03/10/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	03/10/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	03/10/2011
Chromium		0.0100	J	0.0046	0.0100	0	46.0	-100	100	03/10/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	03/10/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	03/10/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	03/10/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	03/10/2011

Batch 66520		SampType: LCS		Units mg/L						
SampID: LCS-66520										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.13	2.00	0	106.3	85	115	03/10/2011	
Barium	0.0050		2.00	2.00	0	100	85	115	03/10/2011	
Barium	0.0050		2.03	2.00	0	101.5	85	115	03/10/2011	
Cadmium	0.0020		0.0516	0.0500	0	103.2	85	115	03/10/2011	
Chromium	0.0100		0.203	0.200	0	101.4	85	115	03/10/2011	
Chromium	0.0100		0.209	0.200	0	104.4	85	115	03/10/2011	
Selenium	0.0500		2.04	2.00	0	101.8	85	115	03/10/2011	
Silver	0.0100		0.0488	0.0500	0	97.6	85	115	03/10/2011	
Silver	0.0100		0.0531	0.0500	0	106.2	85	115	03/10/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 66520 **SampType:** MS **Units mg/L**
SampID: 11030426-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.07	2.00	0	103.6	75	125	03/10/2011
Barium	0.0050		2.18	2.00	0.2979	94.3	75	125	03/10/2011
Cadmium	0.0020		0.0483	0.0500	0	96.6	75	125	03/10/2011
Chromium	0.0100		0.203	0.200	0.005700	98.8	75	125	03/10/2011
Selenium	0.0500		1.98	2.00	0	98.8	75	125	03/10/2011
Silver	0.0100		0.0507	0.0500	0	101.4	75	125	03/10/2011

Batch 66520 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11030426-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		2.00	2.00	0	99.8	2.073	3.78	03/10/2011
Barium	0.0050		2.10	2.00	0.2979	90.2	2.183	3.83	03/10/2011
Cadmium	0.0020		0.0463	0.0500	0	92.6	0.04830	4.23	03/10/2011
Chromium	0.0100		0.196	0.200	0.005700	95.0	0.2033	3.81	03/10/2011
Selenium	0.0500		1.89	2.00	0	94.6	1.976	4.34	03/10/2011
Silver	0.0100		0.0489	0.0500	0	97.8	0.05070	3.61	03/10/2011

SW-846 3020A, METALS BY GFAA (TOTAL)
Batch 66528 **SampType:** MBLK **Units mg/L**
SampID: MB-66528

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	< 0.0020	0.0020	0	0	-100	100	03/10/2011

Batch 66528 **SampType:** LCS **Units mg/L**
SampID: LCS-66528

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0142	0.0150	0	94.4	80	120	03/10/2011

Batch 66528 **SampType:** MS **Units mg/L**
SampID: 11030426-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0162	0.0150	0	108.0	70	130	03/10/2011

Batch 66528 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11030426-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	0.0156	0.0150	0	104.1	0.01620	3.66	03/10/2011

SW-846 7470A (TOTAL)
Batch 66539 **SampType:** MBLK **Units mg/L**
SampID: MB-66539

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	03/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

SW-846 7470A (TOTAL)

Batch 66539		SampType: MBLK		Units mg/L							
SampID: MB-66539											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 66539		SampType: LCS		Units mg/L						
SampID: LCS-66539										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00509	0.00500	0	101.8	85	115	03/10/2011

Batch 66539		SampType: MS		Units mg/L						
SampID: 11030426-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00477	0.00500	0	95.4	75	125	03/10/2011

Batch 66539		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030426-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00469	0.00500	0	93.8	0.004770	1.69	03/10/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	66537	SampType:	MBLK	Units mg/L						
SampID: MB-66537										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND							03/10/2011
Acenaphthylene	0.00010		ND							03/10/2011
Anthracene	0.00010		ND							03/10/2011
Benzo(a)anthracene	0.00010		ND							03/10/2011
Benzo(a)pyrene	0.00010		ND							03/10/2011
Benzo(b)fluoranthene	0.00010		ND							03/10/2011
Benzo(g,h,i)perylene	0.00010		ND							03/10/2011
Benzo(k)fluoranthene	0.00010		ND							03/10/2011
Chrysene	0.00010		ND							03/10/2011
Dibenzo(a,h)anthracene	0.00010		ND							03/10/2011
Fluoranthene	0.00010		ND							03/10/2011
Fluorene	0.00010		ND							03/10/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND							03/10/2011
Naphthalene	0.00010		ND							03/10/2011
Phenanthrene	0.00010		ND							03/10/2011
Pyrene	0.00010		ND							03/10/2011
Surr: 2-Fluorobiphenyl			0.00356	0.00500		71.2	41.9	97.9		03/10/2011
Surr: 2-Fluorophenol			0.00518	0.0100		51.8	16.1	79.2		03/10/2011
Surr: Nitrobenzene-d5			0.00422	0.00500		84.4	39.9	106		03/10/2011
Surr: Phenol-d5			0.00327	0.0100		32.7	9.94	53.7		03/10/2011
Surr: p-Terphenyl-d14			0.00352	0.00500		70.4	53	116		03/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66537		SampType: LCS		Units mg/L						
SampID: LCS-66537										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00355	0.00500	0	71.0	50.1	103	03/10/2011	
Acenaphthylene	0.00010		0.00406	0.00500	0	81.2	53.3	122	03/10/2011	
Anthracene	0.00010		0.00366	0.00500	0	73.2	57.4	110	03/10/2011	
Benzo(a)anthracene	0.00010		0.00359	0.00500	0	71.8	56	102	03/10/2011	
Benzo(a)pyrene	0.00010		0.00402	0.00500	0	80.4	55.4	125	03/10/2011	
Benzo(b)fluoranthene	0.00010		0.00395	0.00500	0	79.0	59.3	127	03/10/2011	
Benzo(g,h,i)perylene	0.00010		0.00394	0.00500	0	78.8	58.4	125	03/10/2011	
Benzo(k)fluoranthene	0.00010		0.00367	0.00500	0	73.4	61.5	125	03/10/2011	
Chrysene	0.00010		0.00400	0.00500	0	80.0	58.7	118	03/10/2011	
Dibenzo(a,h)anthracene	0.00010		0.00393	0.00500	0	78.6	59.3	126	03/10/2011	
Fluoranthene	0.00010		0.00378	0.00500	0	75.6	60.1	117	03/10/2011	
Fluorene	0.00010		0.00391	0.00500	0	78.2	54.1	110	03/10/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00399	0.00500	0	79.8	58.1	123	03/10/2011	
Naphthalene	0.00010		0.00364	0.00500	0	72.8	36.3	97.1	03/10/2011	
Phenanthrene	0.00010		0.00382	0.00500	0	76.4	55.9	107	03/10/2011	
Pyrene	0.00010		0.00376	0.00500	0	75.2	61.4	116	03/10/2011	
Surr: 2-Fluorobiphenyl			0.00325	0.00500		65.0	41.9	97.9	03/10/2011	
Surr: 2-Fluorophenol			0.00473	0.0100		47.3	16.1	79.2	03/10/2011	
Surr: Nitrobenzene-d5			0.00367	0.00500		73.4	39.9	106	03/10/2011	
Surr: Phenol-d5			0.00293	0.0100		29.3	9.94	53.7	03/10/2011	
Surr: p-Terphenyl-d14			0.00357	0.00500		71.4	53	116	03/10/2011	

Batch 66537	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-66537									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00336	0.00500	0	67.2	0.003550	5.50	03/10/2011
Acenaphthylene	0.00010		0.00314	0.00500	0	62.8	0.004060	25.56	03/10/2011
Anthracene	0.00010		0.00362	0.00500	0	72.4	0.003660	1.10	03/10/2011
Benzo(a)anthracene	0.00010		0.00329	0.00500	0	65.8	0.003590	8.72	03/10/2011
Benzo(a)pyrene	0.00010		0.00375	0.00500	0	75.0	0.004020	6.95	03/10/2011
Benzo(b)fluoranthene	0.00010		0.00371	0.00500	0	74.2	0.003950	6.27	03/10/2011
Benzo(g,h,i)perylene	0.00010		0.00378	0.00500	0	75.6	0.003940	4.15	03/10/2011
Benzo(k)fluoranthene	0.00010		0.00392	0.00500	0	78.4	0.003670	6.59	03/10/2011
Chrysene	0.00010		0.00347	0.00500	0	69.4	0.004000	14.19	03/10/2011
Dibenzo(a,h)anthracene	0.00010		0.00365	0.00500	0	73.0	0.003930	7.39	03/10/2011
Fluoranthene	0.00010		0.00370	0.00500	0	74.0	0.003780	2.14	03/10/2011
Fluorene	0.00010		0.00344	0.00500	0	68.8	0.003910	12.79	03/10/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00368	0.00500	0	73.6	0.003990	8.08	03/10/2011
Naphthalene	0.00010		0.00292	0.00500	0	58.4	0.003640	21.95	03/10/2011
Phenanthrene	0.00010		0.00342	0.00500	0	68.4	0.003820	11.05	03/10/2011
Pyrene	0.00010		0.00367	0.00500	0	73.4	0.003760	2.42	03/10/2011
Surr: 2-Fluorobiphenyl			0.00313	0.00500		62.6			03/10/2011
Surr: 2-Fluorophenol			0.00443	0.0100		44.3			03/10/2011
Surr: Nitrobenzene-d5			0.00373	0.00500		74.6			03/10/2011
Surr: Phenol-d5			0.00293	0.0100		29.3			03/10/2011
Surr: p-Terphenyl-d14			0.00372	0.00500		74.4			03/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66553		SampType: MBLK		Units µg/L						
SampID: MBLK-T110309-1										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene	2.0		ND						03/09/2011	
Ethylbenzene	5.0		ND						03/09/2011	
Toluene	5.0		ND						03/09/2011	
Xylenes, Total	5.0		ND						03/09/2011	
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.4	74.7	129	03/09/2011	
Surr: 4-Bromofluorobenzene			51.7	50.0		103.4	86	119	03/09/2011	
Surr: Dibromofluoromethane			53.0	50.0		106.0	81.7	123	03/09/2011	
Surr: Toluene-d8			47.8	50.0		95.5	84.3	114	03/09/2011	

Batch 66553		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110309-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		47.2	50.0	0	94.5	46.55	1.49	03/09/2011	
Ethylbenzene	5.0		50.6	50.0	0	101.2	49.42	2.32	03/09/2011	
Toluene	5.0		48.5	50.0	0	96.9	47.13	2.78	03/09/2011	
Xylenes, Total	5.0		154	150	0	102.7	150.6	2.24	03/09/2011	
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.3			03/09/2011	
Surr: 4-Bromofluorobenzene			51.4	50.0		102.7			03/09/2011	
Surr: Dibromofluoromethane			52.5	50.0		105.0			03/09/2011	
Surr: Toluene-d8			47.9	50.0		95.8			03/09/2011	

Batch 66553		SampType: LCS		Units µg/L						
SampID: LCS-T110309-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		46.6	50.0	0	93.1	82.7	117	03/09/2011	
Ethylbenzene	5.0		49.4	50.0	0	98.8	83	113	03/09/2011	
Toluene	5.0		47.1	50.0	0	94.3	79.6	116	03/09/2011	
Xylenes, Total	5.0		151	150	0	100.4	80.3	120	03/09/2011	
Surr: 1,2-Dichloroethane-d4			50.5	50.0		101.1	74.7	129	03/09/2011	
Surr: 4-Bromofluorobenzene			50.3	50.0		100.6	86	119	03/09/2011	
Surr: Dibromofluoromethane			52.5	50.0		105.0	81.7	123	03/09/2011	
Surr: Toluene-d8			47.4	50.0		94.8	84.3	114	03/09/2011	

Batch 66553		SampType: MS		Units µg/L						
SampID: 11030426-001EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		53.1	60.0	0.5600	87.5	57.8	125	03/09/2011	
Ethylbenzene	5.0		62.5	60.0	0	104.2	72.8	123	03/09/2011	
Toluene	5.0		58.2	60.0	0	97.1	75.8	123	03/09/2011	
Xylenes, Total	5.0		123	120	0	102.7	73	127	03/09/2011	
Surr: 1,2-Dichloroethane-d4			51.4	50.0		102.9	74.7	129	03/09/2011	
Surr: 4-Bromofluorobenzene			49.3	50.0		98.7	86	119	03/09/2011	
Surr: Dibromofluoromethane			52.2	50.0		104.5	81.7	123	03/09/2011	
Surr: Toluene-d8			48.0	50.0		95.9	84.3	114	03/09/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66553		SampType: MSD		Units µg/L				RPD Limit 20	
SampID: 11030426-001EMSD									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		52.3	60.0	0.5600	86.2	53.06	1.48	03/09/2011
Ethylbenzene	5.0		63.1	60.0	0	105.1	62.54	0.84	03/09/2011
Toluene	5.0		59.1	60.0	0	98.5	58.25	1.43	03/09/2011
Xylenes, Total	5.0		125	120	0	104.6	123.2	1.83	03/09/2011
Surr: 1,2-Dichloroethane-d4			50.2	50.0		100.5			03/09/2011
Surr: 4-Bromofluorobenzene			51.0	50.0		101.9			03/09/2011
Surr: Dibromofluoromethane			51.3	50.0		102.7			03/09/2011
Surr: Toluene-d8			47.8	50.0		95.5			03/09/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030426

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Mar-11

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

09-Mar-11

Dawn Brantley

Reviewed by:

On:

09-Mar-11

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09991

Project Name: Champaign MGP Project Mgr.: P. SAZAMA
Project Number: 024-0908-0120 Cost Code: 50002
Sampler(s): D. BLANTON

Laboratory Name: TEKLAB
Location: COLLINSVILLE, IL
Sample Number and (depth) 4091-treated - 3/9/11 Date 3/9/11 Time 9:10

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Total Number of Containers 7

Analyses by Method Name and Number

Method Name and Number	1	2	3	4	5	6	7
BTEX (8260)	X						
SUBC (8270 SIMS)	X						
KLGT METALS	X						
TOTAL AMENABLE CYCLIDE	X						
TSS	X						
BOD's	X						
pH	X						

Pres ✓ OB
3/9/11

Laboratory Temperature upon Receipt
4.2°C
JCS/11

Zeroheadspace

Lab ID #'s

11030426

Comments (Field PID)

* RUSH

Teklab, Inc.
Courier Pick Up

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid
☒ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: P. SAZAMA & L. HOOSIER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:

Carrier / Airbill No. _____

Relinquished by:

Signature [Signature] Date 3/9/11 Time 12:05

Signature [Signature] Date 3/9/11 Time 1500

Received by:

Signature [Signature] Date 3/9/11 Time 12:05

Signature [Signature] Date 3/9/11 Time 1500

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

PE-179 (6/03)

Shaded Areas to be Completed by Lab

March 16, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030548

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/11/2011 2:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	17
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030548**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 16-Mar-11**Cooler Receipt Temp:** 2.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

Lab ID: 11030548-001

Client Sample ID: 30984-treated-3/11/11

Matrix: AQUEOUS

Collection Date: 03/11/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.32		1	03/11/2011 15:06	R146758
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		7	mg/L	1	03/11/2011 15:00	R146744
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		35	mg/L	1	03/11/2011 18:30	66575
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.030		Interference	mg/L	4	03/15/2011 8:05	R146832
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.030	S	0.096	mg/L	4	03/15/2011 8:05	R146832
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/14/2011 12:28	66567
Barium	NELAP	0.0050		0.306	mg/L	1	03/14/2011 12:28	66567
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/14/2011 12:28	66567
Chromium	NELAP	0.0100	J	0.0088	mg/L	1	03/14/2011 12:28	66567
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/14/2011 12:28	66567
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/14/2011 12:28	66567
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/14/2011 9:40	66570
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/14/2011 12:00	66578
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Anthracene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Chrysene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Fluorene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Naphthalene	NELAP	0.00010		0.00384	mg/L	1	03/14/2011 9:59	66572
Phenanthrene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Pyrene	NELAP	0.00010		ND	mg/L	1	03/14/2011 9:59	66572
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	03/14/2011 9:59	66572
Surr: 2-Fluorobiphenyl		41.1-108		77.6	%REC	1	03/14/2011 9:59	66572
Surr: 2-Fluorophenol		16.8-65.9		40.1	%REC	1	03/14/2011 9:59	66572
Surr: Nitrobenzene-d5		37.6-105		86.2	%REC	1	03/14/2011 9:59	66572
Surr: Phenol-d5		11-42.8		25.8	%REC	1	03/14/2011 9:59	66572
Surr: p-Terphenyl-d14		49-113		59.8	%REC	1	03/14/2011 9:59	66572
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		3.1	µg/L	1	03/11/2011 16:25	66596

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

Lab ID: 11030548-001

Client Sample ID: 30984-treated-3/11/11

Matrix: AQUEOUS

Collection Date: 03/11/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	03/11/2011 16:25	66596
Toluene	NELAP	5.0	J	1.2	µg/L	1	03/11/2011 16:25	66596
Xylenes, Total	NELAP	5.0	J	1.5	µg/L	1	03/11/2011 16:25	66596
Surr: 1,2-Dichloroethane-d4		74.7-129		102.6	%REC	1	03/11/2011 16:25	66596
Surr: 4-Bromofluorobenzene		86-119		100.1	%REC	1	03/11/2011 16:25	66596
Surr: Dibromofluoromethane		81.7-123		105.2	%REC	1	03/11/2011 16:25	66596
Surr: Toluene-d8		84.3-114		95.6	%REC	1	03/11/2011 16:25	66596



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030548-001	30984-treated-3/11/11	Aqueous	5	03/11/2011 9:10

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030548-001A	30984-treated-3/11/11	03/11/2011 9:10	3/11/2011 2:40:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/11/2011 15:34	03/14/2011 9:59
11030548-001B	30984-treated-3/11/11	03/11/2011 9:10	3/11/2011 2:40:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/11/2011 15:06
	Standard Methods 18th Ed. 2540 D			03/11/2011 15:00
	Standard Methods 18th Ed. 5210 B		03/11/2011 18:30	03/11/2011 18:30
11030548-001C	30984-treated-3/11/11	03/11/2011 9:10	3/11/2011 2:40:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/11/2011 14:54	03/14/2011 12:28
	SW-846 3020A, Metals by GFAA (Total)		03/11/2011 14:55	03/14/2011 9:40
	SW-846 7470A (Total)		03/14/2011 8:41	03/14/2011 12:00
11030548-001D	30984-treated-3/11/11	03/11/2011 9:10	3/11/2011 2:40:00 PM	
	SW-846 9012A			03/15/2011 8:05
	SW-846 9012A (Total)			03/15/2011 8:05
11030548-001E	30984-treated-3/11/11	03/11/2011 9:10	3/11/2011 2:40:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/11/2011 16:25

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146758		SampType: LCS		Units						
SampID: LCS-R146758										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.00	7.00	0	100	99.1	100.9	03/11/2011

Batch R146758		SampType: DUP		Units				RPD Limit 10			
SampID: 11030548-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.32				8.320	0.00	03/11/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146744		SampType: MBLK		Units mg/L						
SampID: MB-R146744										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						03/11/2011

Batch R146744		SampType: LCS		Units mg/L					
SampID: LCS-R146744									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		100	100	0	100	85	115	03/11/2011
Total Suspended Solids	6		100	100	0	100	85	115	03/11/2011

Batch R146744		SampType: DUP	Units mg/L					RPD Limit 15			
SampID: 11030548-001BDUP											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				7.000	0.00	03/11/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66575		SampType: LCS		Units mg/L						
SampID: LCS-66575										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		172	198	0	86.9	84.6	115.4	03/11/2011

Batch 66575		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11030548-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		33				35.00	5.88	
										03/11/2011

SW-846 9012A (TOTAL)

Batch R146821		SampType: MBLK		Units mg/L						
SampID: MB-R146821										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 9012A (TOTAL)

Batch R146821 SampType: LCS		Units mg/L								Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		0.025	0.025	0	98.4	85	115	03/14/2011
Cyanide		0.008		0.026	0.025	0	103.9	85	115	03/14/2011

Batch R146832 SampType: MBLK		Units mg/L								Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		< 0.007						03/15/2011
Cyanide		0.008		< 0.008						03/15/2011

Batch R146832 SampType: LCS		Units mg/L								Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		0.028	0.025	0	110.3	85	115	03/15/2011
Cyanide		0.007		0.027	0.025	0	108.0	85	115	03/15/2011

Batch R146832 SampType: MS		Units mg/L								Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.028	S	0.113	0.025	0.09604	69.5	75	125	03/15/2011

Batch R146832 SampType: MSD		Units mg/L								RPD Limit 15	Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.028		0.125	0.025	0.09604	114.3	0.1134	9.40		03/15/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66567 SampType: MBLK		Units mg/L								Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	03/14/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	03/14/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	03/14/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	03/14/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	03/14/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	03/14/2011

Batch 66567 SampType: LCS		Units mg/L								Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		2.02	2.00	0	101.2	85	115	03/14/2011
Barium		0.0050		1.94	2.00	0	97.2	85	115	03/14/2011
Cadmium		0.0020		0.0513	0.0500	0	102.6	85	115	03/14/2011
Chromium		0.0100		0.209	0.200	0	104.3	85	115	03/14/2011
Selenium		0.0500		2.02	2.00	0	101.0	85	115	03/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66567		SampType: LCS		Units mg/L						
SampID: LCS-66567										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Silver		0.0100		0.0523	0.0500	0	104.6	85	115	03/14/2011

Batch 66567		SampType: MS		Units mg/L						
SampID: 11030548-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.03	2.00	0	101.4	75	125	03/14/2011	
Barium	0.0050		2.15	2.00	0.3056	92.4	75	125	03/14/2011	
Cadmium	0.0020		0.0490	0.0500	0	98.0	75	125	03/14/2011	
Chromium	0.0100		0.203	0.200	0.008800	96.9	75	125	03/14/2011	
Selenium	0.0500		1.99	2.00	0	99.5	75	125	03/14/2011	
Silver	0.0100		0.0440	0.0500	0	88.0	75	125	03/14/2011	

Batch 66567		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030548-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.03	2.00	0	101.3	2.027	0.05	03/14/2011
Barium		0.0050		2.16	2.00	0.3056	92.9	2.153	0.46	03/14/2011
Cadmium		0.0020		0.0481	0.0500	0	96.2	0.04900	1.85	03/14/2011
Chromium		0.0100		0.202	0.200	0.008800	96.6	0.2026	0.35	03/14/2011
Selenium		0.0500		1.99	2.00	0	99.6	1.990	0.05	03/14/2011
Silver		0.0100		0.0478	0.0500	0	95.6	0.04400	8.28	03/14/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66570		SampType: MBLK		Units mg/L						
SampID: MB-66570										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020	J	0.0009	0.0020	0	43.1	-100	100	03/14/2011

Batch 66570		SampType: LCS		Units mg/L						
SampID: LCS-66570										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0144	0.0150	0	95.8	80	120	03/14/2011

Batch 66570		SampType: MS		Units mg/L						
SampID: 11030548-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0156	0.0150	0	103.7	70	130	03/14/2011

Batch 66570		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030548-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0162	0.0150	0	108.1	0.01555	4.15	03/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 7470A (TOTAL)

Batch 66578		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/14/2011

Batch 66578		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		0.00464	0.00500	0	92.8	85	115	03/14/2011

Batch 66578		SampType: MS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		0.00431	0.00500	0	86.2	75	125	03/14/2011

Batch 66578		SampType: MSD		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00419	0.00500	0	83.8	0.004310	2.82	03/14/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66572		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Acenaphthene		0.00010		ND						03/14/2011
Acenaphthene		0.00010		ND						03/14/2011
Acenaphthylene		0.00010		ND						03/14/2011
Anthracene		0.00010		ND						03/14/2011
Anthracene		0.00010		ND						03/14/2011
Benzo(a)anthracene		0.00010		ND						03/14/2011
Benzo(a)pyrene		0.00010		ND						03/14/2011
Benzo(b)fluoranthene		0.00010		ND						03/14/2011
Benzo(g,h,i)perylene		0.00010		ND						03/14/2011
Benzo(k)fluoranthene		0.00010		ND						03/14/2011
Chrysene		0.00010		ND						03/14/2011
Dibenzo(a,h)anthracene		0.00010		ND						03/14/2011
Fluoranthene		0.00010		ND						03/14/2011
Fluoranthene		0.00010		ND						03/14/2011
Fluorene		0.00010		ND						03/14/2011
Fluorene		0.00010		ND						03/14/2011
Indeno(1,2,3-cd)pyrene		0.00010		ND						03/14/2011
Naphthalene		0.00010		ND						03/14/2011
Naphthalene		0.00010		ND						03/14/2011
Phenanthrene		0.00010		ND						03/14/2011
Phenanthrene		0.00010		ND						03/14/2011
Pyrene		0.00010		ND						03/14/2011
Pyrene		0.00010		ND						03/14/2011
Surr: 2-Fluorobiphenyl				0.00346	0.00500		69.2	41.9	97.9	03/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66572		SampType: MBLK		Units mg/L						
SampID: MB-66572										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl				0.00349	0.00500		69.7	41.9	97.9	03/14/2011
Surr: 2-Fluorophenol				0.00433	0.0100		43.3	16.1	79.2	03/14/2011
Surr: 2-Fluorophenol				0.00445	0.0100		44.5	16.1	79.2	03/14/2011
Surr: Nitrobenzene-d5				0.00392	0.00500		78.5	39.9	106	03/14/2011
Surr: Nitrobenzene-d5				0.00415	0.00500		83.0	39.9	106	03/14/2011
Surr: Phenol-d5				0.00278	0.0100		27.8	9.94	53.7	03/14/2011
Surr: Phenol-d5				0.00280	0.0100		28.0	9.94	53.7	03/14/2011
Surr: p-Terphenyl-d14				0.00412	0.00500		82.4	53	116	03/14/2011
Surr: p-Terphenyl-d14				0.00397	0.00500		79.4	53	116	03/14/2011

Batch 66572	SampType: LCS	Units mg/L								
SampID: LCS-66572										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Acenaphthene	0.00010		0.00382	0.00500	0	76.5	50.1	103		03/14/2011
Acenaphthene	0.00010		0.00392	0.00500	0	78.4	50.1	103		03/14/2011
Acenaphthylene	0.00010		0.00391	0.00500	0	78.2	53.3	122		03/14/2011
Anthracene	0.00010		0.00382	0.00500	0	76.4	57.4	110		03/14/2011
Anthracene	0.00010		0.00399	0.00500	0	79.8	57.4	110		03/14/2011
Benzo(a)anthracene	0.00010		0.00371	0.00500	0	74.2	56	102		03/14/2011
Benzo(a)pyrene	0.00010		0.00416	0.00500	0	83.2	55.4	125		03/14/2011
Benzo(b)fluoranthene	0.00010		0.00414	0.00500	0	82.8	59.3	127		03/14/2011
Benzo(g,h,i)perylene	0.00010		0.00414	0.00500	0	82.8	58.4	125		03/14/2011
Benzo(k)fluoranthene	0.00010		0.00419	0.00500	0	83.8	61.5	125		03/14/2011
Chrysene	0.00010		0.00406	0.00500	0	81.2	58.7	118		03/14/2011
Dibenzo(a,h)anthracene	0.00010		0.00417	0.00500	0	83.4	59.3	126		03/14/2011
Fluoranthene	0.00010		0.00395	0.00500	0	79.0	60.1	117		03/14/2011
Fluoranthene	0.00010		0.00412	0.00500	0	82.4	60.1	117		03/14/2011
Fluorene	0.00010		0.00390	0.00500	0	77.9	54.1	110		03/14/2011
Fluorene	0.00010		0.00395	0.00500	0	79.0	54.1	110		03/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00422	0.00500	0	84.4	58.1	123		03/14/2011
Naphthalene	0.00010		0.00414	0.00500	0	82.8	36.3	97.1		03/14/2011
Naphthalene	0.00010		0.00410	0.00500	0	82.0	36.3	97.1		03/14/2011
Phenanthrene	0.00010		0.00368	0.00500	0	73.6	55.9	107		03/14/2011
Phenanthrene	0.00010		0.00399	0.00500	0	79.8	55.9	107		03/14/2011
Pyrene	0.00010		0.00409	0.00500	0	81.8	61.4	116		03/14/2011
Pyrene	0.00010		0.00400	0.00500	0	80.0	61.4	116		03/14/2011
Surr: 2-Fluorobiphenyl			0.00342	0.00500		68.4	41.9	97.9		03/14/2011
Surr: 2-Fluorobiphenyl			0.00334	0.00500		66.9	41.9	97.9		03/14/2011
Surr: 2-Fluorophenol			0.00446	0.0100		44.6	16.1	79.2		03/14/2011
Surr: 2-Fluorophenol			0.00464	0.0100		46.4	16.1	79.2		03/14/2011
Surr: Nitrobenzene-d5			0.00378	0.00500		75.6	39.9	106		03/14/2011
Surr: Nitrobenzene-d5			0.00402	0.00500		80.4	39.9	106		03/14/2011
Surr: Phenol-d5			0.00286	0.0100		28.6	9.94	53.7		03/14/2011
Surr: Phenol-d5			0.00292	0.0100		29.2	9.94	53.7		03/14/2011
Surr: p-Terphenyl-d14			0.00395	0.00500		79.0	53	116		03/14/2011
Surr: p-Terphenyl-d14			0.00391	0.00500		78.2	53	116		03/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66572	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-66572									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00419	0.00500	0	83.8	0.003920	6.66	03/14/2011
Acenaphthene	0.00010		0.00379	0.00500	0	75.8	0.003823	0.84	03/14/2011
Acenaphthylene	0.00010		0.00431	0.00500	0	86.2	0.003910	9.73	03/14/2011
Anthracene	0.00010		0.00387	0.00500	0	77.3	0.003822	1.17	03/14/2011
Anthracene	0.00010		0.00420	0.00500	0	84.0	0.003990	5.13	03/14/2011
Benzo(a)anthracene	0.00010		0.00400	0.00500	0	80.0	0.003710	7.52	03/14/2011
Benzo(a)pyrene	0.00010		0.00443	0.00500	0	88.6	0.004160	6.29	03/14/2011
Benzo(b)fluoranthene	0.00010		0.00447	0.00500	0	89.4	0.004140	7.67	03/14/2011
Benzo(g,h,i)perylene	0.00010		0.00448	0.00500	0	89.6	0.004140	7.89	03/14/2011
Benzo(k)fluoranthene	0.00010		0.00419	0.00500	0	83.8	0.004190	0.00	03/14/2011
Chrysene	0.00010		0.00439	0.00500	0	87.8	0.004060	7.81	03/14/2011
Dibenzo(a,h)anthracene	0.00010		0.00453	0.00500	0	90.6	0.004170	8.28	03/14/2011
Fluoranthene	0.00010		0.00404	0.00500	0	80.7	0.003949	2.20	03/14/2011
Fluoranthene	0.00010		0.00441	0.00500	0	88.2	0.004120	6.80	03/14/2011
Fluorene	0.00010		0.00423	0.00500	0	84.6	0.003950	6.85	03/14/2011
Fluorene	0.00010		0.00403	0.00500	0	80.6	0.003897	3.41	03/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00455	0.00500	0	91.0	0.004220	7.53	03/14/2011
Naphthalene	0.00010		0.00379	0.00500	0	75.7	0.004141	8.96	03/14/2011
Naphthalene	0.00010		0.00395	0.00500	0	79.0	0.004100	3.73	03/14/2011
Phenanthrene	0.00010		0.00410	0.00500	0	82.0	0.003990	2.72	03/14/2011
Phenanthrene	0.00010		0.00394	0.00500	0	78.9	0.003680	6.93	03/14/2011
Pyrene	0.00010		0.00392	0.00500	0	78.4	0.004000	2.05	03/14/2011
Pyrene	0.00010		0.00441	0.00500	0	88.2	0.004090	7.53	03/14/2011
Surr: 2-Fluorobiphenyl			0.00346	0.00500		69.1			03/14/2011
Surr: 2-Fluorobiphenyl			0.00350	0.00500		70.0			03/14/2011
Surr: 2-Fluorophenol			0.00419	0.0100		41.9			03/14/2011
Surr: 2-Fluorophenol			0.00461	0.0100		46.1			03/14/2011
Surr: Nitrobenzene-d5			0.00364	0.00500		72.7			03/14/2011
Surr: Nitrobenzene-d5			0.00397	0.00500		79.4			03/14/2011
Surr: Phenol-d5			0.00278	0.0100		27.8			03/14/2011
Surr: Phenol-d5			0.00295	0.0100		29.5			03/14/2011
Surr: p-Terphenyl-d14			0.00397	0.00500		79.4			03/14/2011
Surr: p-Terphenyl-d14			0.00380	0.00500		76.0			03/14/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66596		SampType: MBLK		Units µg/L						
SampID: MBLK-T110311-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						03/11/2011
Ethylbenzene		5.0		ND						03/11/2011
Toluene		5.0		ND						03/11/2011
Xylenes, Total		5.0		ND						03/11/2011
Surr: 1,2-Dichloroethane-d4				50.9	50.0		101.8	74.7	129	03/11/2011
Surr: 4-Bromofluorobenzene				50.7	50.0		101.5	86	119	03/11/2011
Surr: Dibromofluoromethane				52.6	50.0		105.2	81.7	123	03/11/2011
Surr: Toluene-d8				47.7	50.0		95.4	84.3	114	03/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66596		SampType: MBLK	Units µg/L								
SampID: MBLK-T110311-1										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Batch 66596		SampType: LCSD	Units µg/L							RPD Limit 40	
SampID: LCSD-T110311-1										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Benzene		2.0		46.7	50.0	0	93.4	45.54	2.54	03/11/2011	
Ethylbenzene		5.0		49.7	50.0	0	99.4	48.22	3.02	03/11/2011	
Toluene		5.0		47.9	50.0	0	95.7	45.99	4.01	03/11/2011	
Xylenes, Total		5.0		153	150	0	102.0	149.6	2.21	03/11/2011	
Surr: 1,2-Dichloroethane-d4				50.4	50.0		100.8			03/11/2011	
Surr: 4-Bromofluorobenzene				50.5	50.0		101.0			03/11/2011	
Surr: Dibromofluoromethane				52.4	50.0		104.9			03/11/2011	
Surr: Toluene-d8				47.8	50.0		95.6			03/11/2011	

Batch 66596		SampType: LCS		Units µg/L						
SampID: LCS-T110311-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene		2.0		45.5	50.0	0	91.1	82.7	117	03/11/2011
Ethylbenzene		5.0		48.2	50.0	0	96.4	83	113	03/11/2011
Toluene		5.0		46.0	50.0	0	92.0	79.6	116	03/11/2011
Xylenes, Total		5.0		150	150	0	99.7	80.3	120	03/11/2011
Surr: 1,2-Dichloroethane-d4				50.0	50.0		100	74.7	129	03/11/2011
Surr: 4-Bromofluorobenzene				50.9	50.0		101.9	86	119	03/11/2011
Surr: Dibromofluoromethane				52.3	50.0		104.7	81.7	123	03/11/2011
Surr: Toluene-d8				47.5	50.0		95.0	84.3	114	03/11/2011

Batch 66596		SampType: MS		Units µg/L						
SampID: 11030548-001EMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		53.4	60.0	3.070	83.8	57.8	125	03/11/2011	
Ethylbenzene	5.0		63.2	60.0	0	105.3	72.8	123	03/11/2011	
Toluene	5.0		57.9	60.0	1.190	94.6	75.8	123	03/11/2011	
Xylenes, Total	5.0		125	120	1.510	102.7	73	127	03/11/2011	
Surr: 1,2-Dichloroethane-d4			51.4	50.0		102.8	74.7	129	03/11/2011	
Surr: 4-Bromofluorobenzene			51.1	50.0		102.2	86	119	03/11/2011	
Surr: Dibromofluoromethane			52.0	50.0		103.9	81.7	123	03/11/2011	
Surr: Toluene-d8			47.5	50.0		95.0	84.3	114	03/11/2011	

Batch 66596		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11030548-001EMSD									Date Analyzed	
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Benzene	2.0		52.8	60.0	3.070	82.8	53.37	1.15	03/11/2011	
Ethylbenzene	5.0		62.9	60.0	0	104.8	63.19	0.48	03/11/2011	
Toluene	5.0		57.9	60.0	1.190	94.5	57.92	0.03	03/11/2011	
Xylenes, Total	5.0		124	120	1.510	102.4	124.7	0.29	03/11/2011	
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.4			03/11/2011	
Surr: 4-Bromofluorobenzene			49.9	50.0		99.7			03/11/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66596		SampType: MSD		Units µg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: Dibromofluoromethane				51.4	50.0		102.9			03/11/2011
Surr: Toluene-d8				47.3	50.0		94.6			03/11/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030548

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Mar-11

Carrier: J. Blanton

Received By: TWM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

11-Mar-11

11-Mar-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

March 21, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030639

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/15/2011 3:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030639**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 21-Mar-11**Cooler Receipt Temp:** 4.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

Lab ID: 11030639-001

Client Sample ID: 4091-treated-3/15/11

Matrix: AQUEOUS

Collection Date: 03/15/2011 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.04		1	03/15/2011 16:28	R146867
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	03/16/2011 10:00	R146883
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		33	mg/L	1	03/16/2011 16:00	66656
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		Interference	mg/L	4	03/16/2011 7:59	R146897
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.032		0.104	mg/L	4	03/16/2011 7:59	R146897
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/16/2011 11:45	66634
Barium	NELAP	0.0050		0.280	mg/L	1	03/16/2011 11:45	66634
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/16/2011 11:45	66634
Chromium	NELAP	0.0100	J	0.0040	mg/L	1	03/16/2011 11:45	66634
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/16/2011 11:45	66634
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/16/2011 11:45	66634
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	03/16/2011 11:21	66633
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/16/2011 9:52	66635
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00016	mg/L	1	03/16/2011 8:28	66617
Acenaphthylene	NELAP	0.00010		0.00018	mg/L	1	03/16/2011 8:28	66617
Anthracene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Chrysene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Fluorene	NELAP	0.00010		0.00011	mg/L	1	03/16/2011 8:28	66617
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Naphthalene	NELAP	0.00010		0.00806	mg/L	1	03/16/2011 8:28	66617
Phenanthrene	NELAP	0.00010		0.00018	mg/L	1	03/16/2011 8:28	66617
Pyrene	NELAP	0.00010		ND	mg/L	1	03/16/2011 8:28	66617
Total PNAs except Naphthalene		0.00013		0.00063	mg/L	1	03/16/2011 8:28	66617
Surr: 2-Fluorobiphenyl		41.1-108		54.2	%REC	1	03/16/2011 8:28	66617
Surr: 2-Fluorophenol		16.8-65.9		29.9	%REC	1	03/16/2011 8:28	66617
Surr: Nitrobenzene-d5		37.6-105		69.6	%REC	1	03/16/2011 8:28	66617
Surr: Phenol-d5		11-42.8		19.1	%REC	1	03/16/2011 8:28	66617
Surr: p-Terphenyl-d14		49-113		61.0	%REC	1	03/16/2011 8:28	66617
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		12.7	µg/L	1	03/15/2011 17:00	66647
Ethylbenzene	NELAP	5.0	J	1.6	µg/L	1	03/15/2011 17:00	66647



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

Lab ID: 11030639-001

Client Sample ID: 4091-treated-3/15/11

Matrix: AQUEOUS

Collection Date: 03/15/2011 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		5.3	µg/L	1	03/15/2011 17:00	66647
Xylenes, Total	NELAP	5.0	J	3.6	µg/L	1	03/15/2011 17:00	66647
Surr: 1,2-Dichloroethane-d4		74.7-129		103.3	%REC	1	03/15/2011 17:00	66647
Surr: 4-Bromofluorobenzene		86-119		103.2	%REC	1	03/15/2011 17:00	66647
Surr: Dibromofluoromethane		81.7-123		107.8	%REC	1	03/15/2011 17:00	66647
Surr: Toluene-d8		84.3-114		92.6	%REC	1	03/15/2011 17:00	66647



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030639-001	4091-treated-3/15/11	Aqueous	5	03/15/2011 10:40

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030639-001A	4091-treated-3/15/11	03/15/2011 10:40	3/15/2011 3:10:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/15/2011 20:37	03/16/2011 8:28
11030639-001B	4091-treated-3/15/11	03/15/2011 10:40	3/15/2011 3:10:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/15/2011 16:28
	Standard Methods 18th Ed. 2540 D			03/16/2011 10:00
	Standard Methods 18th Ed. 5210 B		03/16/2011 16:00	03/16/2011 16:00
11030639-001C	4091-treated-3/15/11	03/15/2011 10:40	3/15/2011 3:10:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/15/2011 16:21	03/16/2011 11:45
	SW-846 3020A, Metals by GFAA (Total)		03/15/2011 16:19	03/16/2011 11:21
	SW-846 7470A (Total)		03/16/2011 7:16	03/16/2011 9:52
11030639-001D	4091-treated-3/15/11	03/15/2011 10:40	3/15/2011 3:10:00 PM	
	SW-846 9012A			03/16/2011 7:59
	SW-846 9012A (Total)			03/16/2011 7:59
11030639-001E	4091-treated-3/15/11	03/15/2011 10:40	3/15/2011 3:10:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/15/2011 17:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146867		SampType: LCS		Units							
SampID: LCS-R146867											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.9	03/15/2011	

Batch R146867		SampType: DUP		Units				RPD Limit 10			
SampID: 11030639-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.04				8.040	0.00	03/15/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146883		SampType: MBLK		Units mg/L						
SampID: MB-R146883										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						03/16/2011

Batch R146883		SampType: LCS		Units mg/L						
SampID: LCS-R146883										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		96	100	0	96.0	85	115	03/16/2011
Total Suspended Solids		6		87	100	0	87.0	85	115	03/16/2011

Batch R146883		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11030639-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		9				8.000	11.76	03/16/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66656		SampType: LCS		Units mg/L						
SampID: LCS-66656										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		201	198	0	101.5	84.6	115.4	03/16/2011

Batch 66656		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030639-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		33				33.00	0.00	03/16/2011	

SW-846 9012A (TOTAL)

Batch R146897		SampType: MBLK		Units mg/L							
SampID: MB-R146897											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.007		< 0.007						03/16/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

SW-846 9012A (TOTAL)

Batch R146897		SampType: LCS		Units mg/L						
SampID: LCS-R146897										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.008		0.027	0.025	0	107.8	90	110	03/16/2011	

Batch R146897		SampType: MS		Units mg/L						Date Analyzed
SampID: 11030639-001DMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.029		0.123	0.025	0.1037	77.3	75	125	03/16/2011	

Batch R146897		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030639-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028		0.123	0.025	0.1037	76.1	0.1230	0.24	03/16/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66634		SampType: MBLK		Units mg/L						
SampID: MB-66634										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	03/16/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	03/16/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	03/16/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	03/16/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	03/16/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	03/16/2011

Batch 66634		SampType: LCS		Units mg/L						
SampID: LCS-66634										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.23	2.00	0	111.7	85	115	03/16/2011	
Barium	0.0050		1.99	2.00	0	99.6	85	115	03/16/2011	
Cadmium	0.0020		0.0503	0.0500	0	100.6	85	115	03/16/2011	
Chromium	0.0100		0.203	0.200	0	101.7	85	115	03/16/2011	
Selenium	0.0500		1.94	2.00	0	97.2	85	115	03/16/2011	
Silver	0.0100		0.0520	0.0500	0	104.0	85	115	03/16/2011	

Batch 66634		SampType: MS		Units mg/L						
SampID: 11030639-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.28	2.00	0	113.8	75	125	03/16/2011	
Barium	0.0050		2.21	2.00	0.2796	96.4	75	125	03/16/2011	
Cadmium	0.0020		0.0490	0.0500	0	98.0	75	125	03/16/2011	
Chromium	0.0100		0.205	0.200	0.004000	100.4	75	125	03/16/2011	
Selenium	0.0500		1.99	2.00	0	99.3	75	125	03/16/2011	
Silver	0.0100		0.0535	0.0500	0	107.0	75	125	03/16/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66634		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030639-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.27	2.00	0	113.4	2.277	0.40	03/16/2011
Barium		0.0050		2.18	2.00	0.2796	95.1	2.207	1.19	03/16/2011
Cadmium		0.0020		0.0491	0.0500	0	98.2	0.04900	0.20	03/16/2011
Chromium		0.0100		0.204	0.200	0.004000	99.8	0.2047	0.59	03/16/2011
Selenium		0.0500		1.97	2.00	0	98.5	1.986	0.81	03/16/2011
Silver		0.0100		0.0521	0.0500	0	104.2	0.05350	2.65	03/16/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66633		SampType: MBLK		Units mg/L						
SampID: MB-66633										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/16/2011

Batch 66633		SampType: LCS		Units mg/L						
SampID: LCS-66633										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0150	0.0150	0	100	80	120	03/16/2011

Batch 66633		SampType: MS		Units mg/L						
SampID: 11030639-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0152	0.0150	0.0005507	97.7	70	130	03/16/2011

Batch 66633		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11030639-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0145	0.0150	0.0005507	93.2	0.01521	4.52	03/16/2011

SW-846 7470A (TOTAL)

Batch 66635		SampType: MBLK		Units mg/L						
SampID: MB-66635										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/16/2011

Batch 66635		SampType: LCS		Units mg/L						
SampID: LCS-66635										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00519	0.00500	0	103.8	85	115	03/16/2011	

Batch 66635		SampType: MS		Units mg/L						
SampID: 11030639-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00476	0.00500	0	95.2	75	125	03/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

SW-846 7470A (TOTAL)

Batch 66635		SampType: MS		Units mg/L							
SampID: 11030639-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 66635		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11030639-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00488	0.00500	0	97.6	0.004760	2.49	03/16/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	66617	SampType:	MBLK	Units mg/L						
SampID: MB-66617										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.00010		ND						03/15/2011
Acenaphthylene		0.00010		ND						03/15/2011
Anthracene		0.00010		ND						03/15/2011
Benzo(a)anthracene		0.00010		ND						03/15/2011
Benzo(a)pyrene		0.00010		ND						03/15/2011
Benzo(b)fluoranthene		0.00010		ND						03/15/2011
Benzo(g,h,i)perylene		0.00010		ND						03/15/2011
Benzo(k)fluoranthene		0.00010		ND						03/15/2011
Chrysene		0.00010		ND						03/15/2011
Dibenzo(a,h)anthracene		0.00010		ND						03/15/2011
Fluoranthene		0.00010		ND						03/15/2011
Fluorene		0.00010		ND						03/15/2011
Indeno(1,2,3-cd)pyrene		0.00010		ND						03/15/2011
Naphthalene		0.00010		ND						03/15/2011
Phenanthrene		0.00010		ND						03/15/2011
Pyrene		0.00010		ND						03/15/2011
Surr: 2-Fluorobiphenyl				0.00293	0.00500		58.6	41.9	97.9	03/15/2011
Surr: 2-Fluorophenol				0.00449	0.0100		44.9	16.1	79.2	03/15/2011
Surr: Nitrobenzene-d5				0.00340	0.00500		68.0	39.9	106	03/15/2011
Surr: Phenol-d5				0.00268	0.0100		26.8	9.94	53.7	03/15/2011
Surr: p-Terphenyl-d14				0.00352	0.00500		70.4	53	116	03/15/2011

Batch 66617	SampType: LCS	Units mg/L								
SampID: LCS-66617										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00346	0.00500	0	69.2	50.1	103	03/15/2011	
Acenaphthylene	0.00010		0.00363	0.00500	0	72.6	53.3	122	03/15/2011	
Anthracene	0.00010		0.00344	0.00500	0	68.8	57.4	110	03/15/2011	
Benzo(a)anthracene	0.00010		0.00324	0.00500	0	64.8	56	102	03/15/2011	
Benzo(a)pyrene	0.00010		0.00370	0.00500	0	74.0	55.4	125	03/15/2011	
Benzo(b)fluoranthene	0.00010		0.00375	0.00500	0	75.0	59.3	127	03/15/2011	
Benzo(g,h,i)perylene	0.00010		0.00358	0.00500	0	71.6	58.4	125	03/15/2011	
Benzo(k)fluoranthene	0.00010		0.00364	0.00500	0	72.8	61.5	125	03/15/2011	
Chrysene	0.00010		0.00348	0.00500	0	69.6	58.7	118	03/15/2011	
Dibenzo(a,h)anthracene	0.00010		0.00363	0.00500	0	72.6	59.3	126	03/15/2011	
Fluoranthene	0.00010		0.00362	0.00500	0	72.4	60.1	117	03/15/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66617		SampType: LCS		Units mg/L						
SampID: LCS-66617										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluorene		0.00010		0.00362	0.00500	0	72.4	54.1	110	03/15/2011
Indeno(1,2,3-cd)pyrene		0.00010		0.00368	0.00500	0	73.6	58.1	123	03/15/2011
Naphthalene		0.00010		0.00325	0.00500	0	65.0	36.3	97.1	03/15/2011
Phenanthrene		0.00010		0.00336	0.00500	0	67.2	55.9	107	03/15/2011
Pyrene		0.00010		0.00361	0.00500	0	72.2	61.4	116	03/15/2011
Surr: 2-Fluorobiphenyl				0.00276	0.00500		55.2	41.9	97.9	03/15/2011
Surr: 2-Fluorophenol				0.00375	0.0100		37.5	16.1	79.2	03/15/2011
Surr: Nitrobenzene-d5				0.00312	0.00500		62.4	39.9	106	03/15/2011
Surr: Phenol-d5				0.00238	0.0100		23.8	9.94	53.7	03/15/2011
Surr: p-Terphenyl-d14				0.00291	0.00500		58.2	53	116	03/15/2011

Batch 66617		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66617										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00349	0.00500	0	69.8	0.003460	0.86		03/15/2011
Acenaphthylene	0.00010		0.00361	0.00500	0	72.2	0.003630	0.55		03/15/2011
Anthracene	0.00010		0.00344	0.00500	0	68.8	0.003440	0.00		03/15/2011
Benzo(a)anthracene	0.00010		0.00327	0.00500	0	65.4	0.003240	0.92		03/15/2011
Benzo(a)pyrene	0.00010		0.00381	0.00500	0	76.2	0.003700	2.93		03/15/2011
Benzo(b)fluoranthene	0.00010		0.00378	0.00500	0	75.6	0.003750	0.80		03/15/2011
Benzo(g,h,i)perylene	0.00010		0.00373	0.00500	0	74.6	0.003580	4.10		03/15/2011
Benzo(k)fluoranthene	0.00010		0.00365	0.00500	0	73.0	0.003640	0.27		03/15/2011
Chrysene	0.00010		0.00351	0.00500	0	70.2	0.003480	0.86		03/15/2011
Dibenzo(a,h)anthracene	0.00010		0.00379	0.00500	0	75.8	0.003630	4.31		03/15/2011
Fluoranthene	0.00010		0.00351	0.00500	0	70.2	0.003620	3.09		03/15/2011
Fluorene	0.00010		0.00364	0.00500	0	72.8	0.003620	0.55		03/15/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00380	0.00500	0	76.0	0.003680	3.21		03/15/2011
Naphthalene	0.00010		0.00331	0.00500	0	66.2	0.003250	1.83		03/15/2011
Phenanthrene	0.00010		0.00335	0.00500	0	67.0	0.003360	0.30		03/15/2011
Pyrene	0.00010		0.00354	0.00500	0	70.8	0.003610	1.96		03/15/2011
Surr: 2-Fluorobiphenyl			0.00277	0.00500		55.4				03/15/2011
Surr: 2-Fluorophenol			0.00374	0.0100		37.4				03/15/2011
Surr: Nitrobenzene-d5			0.00308	0.00500		61.6				03/15/2011
Surr: Phenol-d5			0.00236	0.0100		23.6				03/15/2011
Surr: p-Terphenyl-d14			0.00301	0.00500		60.2				03/15/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66647		SampType: MBLK		Units µg/L							
SampID: MBLK-T110315-1											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene		2.0		ND						03/15/2011	
Ethylbenzene		5.0		ND						03/15/2011	
Toluene		5.0		ND						03/15/2011	
Xylenes, Total		5.0		ND						03/15/2011	
Surr: 1,2-Dichloroethane-d4				51.8	50.0		103.6	74.7	129	03/15/2011	
Surr: 4-Bromofluorobenzene				51.4	50.0		102.7	86	119	03/15/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66647 **SampType:** MBLK **Units** µg/L

SampID: MBLK-T110315-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Dibromofluoromethane			53.0	50.0		106.0	81.7	123	03/15/2011
Surr: Toluene-d8			46.3	50.0		92.7	84.3	114	03/15/2011

Batch 66647 **SampType:** LCSD **Units** µg/L

RPD Limit 40
SampID: LCSD-T110315-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		46.8	50.0	0	93.7	45.88	2.09	03/15/2011
Ethylbenzene	5.0		49.8	50.0	0	99.6	47.45	4.87	03/15/2011
Toluene	5.0		46.4	50.0	0	92.9	44.78	3.66	03/15/2011
Xylenes, Total	5.0		150	150	0	100	145.3	3.16	03/15/2011
Surr: 1,2-Dichloroethane-d4			51.6	50.0		103.2			03/15/2011
Surr: 4-Bromofluorobenzene			50.9	50.0		101.9			03/15/2011
Surr: Dibromofluoromethane			53.7	50.0		107.5			03/15/2011
Surr: Toluene-d8			46.6	50.0		93.3			03/15/2011

Batch 66647 **SampType:** LCS **Units** µg/L

SampID: LCS-T110315-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		45.9	50.0	0	91.8	82.7	117	03/15/2011
Ethylbenzene	5.0		47.4	50.0	0	94.9	83	113	03/15/2011
Toluene	5.0		44.8	50.0	0	89.6	79.6	116	03/15/2011
Xylenes, Total	5.0		145	150	0	96.8	80.3	120	03/15/2011
Surr: 1,2-Dichloroethane-d4			51.8	50.0		103.6	74.7	129	03/15/2011
Surr: 4-Bromofluorobenzene			50.5	50.0		101.1	86	119	03/15/2011
Surr: Dibromofluoromethane			54.1	50.0		108.2	81.7	123	03/15/2011
Surr: Toluene-d8			46.6	50.0		93.2	84.3	114	03/15/2011

Batch 66647 **SampType:** MS **Units** µg/L

SampID: 11030639-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		60.0	60.0	12.73	78.8	57.8	125	03/15/2011
Ethylbenzene	5.0		64.3	60.0	1.640	104.5	72.8	123	03/15/2011
Toluene	5.0		60.6	60.0	5.340	92.0	75.8	123	03/15/2011
Xylenes, Total	5.0		126	120	3.550	102.0	73	127	03/15/2011
Surr: 1,2-Dichloroethane-d4			51.6	50.0		103.3	74.7	129	03/15/2011
Surr: 4-Bromofluorobenzene			50.7	50.0		101.4	86	119	03/15/2011
Surr: Dibromofluoromethane			53.2	50.0		106.4	81.7	123	03/15/2011
Surr: Toluene-d8			46.3	50.0		92.6	84.3	114	03/15/2011

Batch 66647 **SampType:** MSD **Units** µg/L

RPD Limit 20
SampID: 11030639-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		59.0	60.0	12.73	77.1	59.99	1.73	03/15/2011
Ethylbenzene	5.0		64.4	60.0	1.640	104.7	64.34	0.17	03/15/2011
Toluene	5.0		60.6	60.0	5.340	92.1	60.56	0.05	03/15/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66647		SampType: MSD	Units µg/L					RPD Limit 20		
SampID: 11030639-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Xylenes, Total	5.0		129	120	3.550	104.3	126.0	2.19	03/15/2011	
Surr: 1,2-Dichloroethane-d4			51.1	50.0		102.1			03/15/2011	
Surr: 4-Bromofluorobenzene			49.9	50.0		99.9			03/15/2011	
Surr: Dibromofluoromethane			53.1	50.0		106.1			03/15/2011	
Surr: Toluene-d8			46.7	50.0		93.3			03/15/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030639

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 21-Mar-11

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

15-Mar-11

Dawn Brantley

Reviewed by:

On:

15-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09993

Project Name: Champaign MGP Project Mgr.: PSAZMA A

Project Number: 624-0908-0120 Cost Code: 5002

Sampler(s): J- BLANTON

Laboratory Name: TEKLAD

Location: COLLINGSVILLE

Sample Number and (depth) 4091-treated-3/15/11 Date 3/15/11 Time 10:40

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other ☐

Total Number of Containers

Analyses by Method Name and Number

BTX (860) ☒
SULC (820) ☒
PCRA METALS ☒
TOMX ANALYSE ☒
TSS ☒
BOD'S ☒
PH ☒

Laboratory Temperature upon Receipt
41.2

Comments (Field PID)
zero headspace

Lab ID #'s
11030639

RUSH

001

RUSH

Teklab, Inc
Courier Pick Up

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☐ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: PSAZMA & L. NODSIEP
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No. _____

Relinquished by:

Signature [Signature] Date 3/15/11 Time 12:02
[Signature] 3/15/11 1510

Received by:

Signature [Signature] Date 3/15/11 Time 12:02
[Signature] 3/15/11 1510

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

March 22, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030701

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/16/2011 3:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
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Report Contents

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Client: PSC Industrial Outsourcing, LP

Work Order: 11030701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Mar-11

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Client: PSC Industrial Outsourcing, LP

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Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030701**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 22-Mar-11**Cooler Receipt Temp:** 5.4 °C

Locations and Accreditations

Collinsville

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Mar-11

Lab ID: 11030701-001

Client Sample ID: 4419-treated-3/16/11

Matrix: AQUEOUS

Collection Date: 03/16/2011 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.89		1	03/16/2011 19:40	R146914
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		12	mg/L	1	03/17/2011 9:10	R146928
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		30	mg/L	1	03/17/2011 14:10	66683
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	03/17/2011 12:05	R146950
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	S	0.119	mg/L	4	03/17/2011 12:05	R146950
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/17/2011 10:29	66648
Barium	NELAP	0.0050		0.312	mg/L	1	03/17/2011 10:29	66648
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/17/2011 10:29	66648
Chromium	NELAP	0.0100	J	0.0060	mg/L	1	03/17/2011 10:29	66648
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/17/2011 10:29	66648
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/17/2011 10:29	66648
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/17/2011 11:38	66659
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/17/2011 10:09	66664
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00015	mg/L	1	03/17/2011 11:33	66637
Acenaphthylene	NELAP	0.00010		0.00022	mg/L	1	03/17/2011 11:33	66637
Anthracene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Chrysene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Fluorene	NELAP	0.00010		0.00011	mg/L	1	03/17/2011 11:33	66637
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Naphthalene	NELAP	0.00010		0.0103	mg/L	1	03/17/2011 11:33	66637
Phenanthrene	NELAP	0.00010		0.00018	mg/L	1	03/17/2011 11:33	66637
Pyrene	NELAP	0.00010		ND	mg/L	1	03/17/2011 11:33	66637
Total PNAs except Naphthalene		0.00013		0.00066	mg/L	1	03/17/2011 11:33	66637
Surr: 2-Fluorobiphenyl		41.1-108		71.6	%REC	1	03/17/2011 11:33	66637
Surr: 2-Fluorophenol		16.8-65.9		41.7	%REC	1	03/17/2011 11:33	66637
Surr: Nitrobenzene-d5		37.6-105		82.2	%REC	1	03/17/2011 11:33	66637
Surr: Phenol-d5		11-42.8		25.0	%REC	1	03/17/2011 11:33	66637
Surr: p-Terphenyl-d14		49-113		87.8	%REC	1	03/17/2011 11:33	66637
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		9.2	µg/L	1	03/16/2011 17:10	66677

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Client Sample ID: 4419-treated-3/16/11

Matrix: AQUEOUS

Collection Date: 03/16/2011 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0	J	1.3	µg/L	1	03/16/2011 17:10	66677
Toluene	NELAP	5.0	J	4.0	µg/L	1	03/16/2011 17:10	66677
Xylenes, Total	NELAP	5.0	J	3.1	µg/L	1	03/16/2011 17:10	66677
Surr: 1,2-Dichloroethane-d4		74.7-129		102.1	%REC	1	03/16/2011 17:10	66677
Surr: 4-Bromofluorobenzene		86-119		101.1	%REC	1	03/16/2011 17:10	66677
Surr: Dibromofluoromethane		81.7-123		105.8	%REC	1	03/16/2011 17:10	66677
Surr: Toluene-d8		84.3-114		92.3	%REC	1	03/16/2011 17:10	66677



Sample Summary

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Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030701-001	4419-treated-3/16/11	Aqueous	5	03/16/2011 8:15

Client: PSC Industrial Outsourcing, LP

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Report Date: 22-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030701-001A	4419-treated-3/16/11	03/16/2011 8:15	3/16/2011 3:45:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/16/2011 19:20	03/17/2011 11:33
11030701-001B	4419-treated-3/16/11	03/16/2011 8:15	3/16/2011 3:45:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/16/2011 19:40
	Standard Methods 18th Ed. 2540 D			03/17/2011 9:10
	Standard Methods 18th Ed. 5210 B		03/17/2011 14:10	03/17/2011 14:10
11030701-001C	4419-treated-3/16/11	03/16/2011 8:15	3/16/2011 3:45:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/16/2011 16:57	03/17/2011 10:29
	SW-846 3020A, Metals by GFAA (Total)		03/16/2011 16:55	03/17/2011 11:38
	SW-846 7470A (Total)		03/17/2011 7:42	03/17/2011 10:09
11030701-001D	4419-treated-3/16/11	03/16/2011 8:15	3/16/2011 3:45:00 PM	
	SW-846 9012A			03/17/2011 12:05
	SW-846 9012A (Total)			03/17/2011 12:05
11030701-001E	4419-treated-3/16/11	03/16/2011 8:15	3/16/2011 3:45:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/16/2011 17:10

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STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146914		SampType: LCS		Units							
SampID: LCS-R146914											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.9	03/16/2011	

Batch R146914		SampType: DUP		Units				RPD Limit 10			
SampID: 11030701-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.88				7.890	0.13	03/16/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146928		SampType: MBLK		Units mg/L							
SampID: MB-R146928											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/17/2011	

Batch R146928		SampType: LCS		Units mg/L						
SampID: LCS-R146928										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		100	100	0	100	85	115	03/17/2011	
Total Suspended Solids	6		101	100	0	101.0	85	115	03/17/2011	
Total Suspended Solids	6		100	100	0	100	85	115	03/17/2011	

Batch R146928		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11030701-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		12				12.00	0.00	03/17/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66683		SampType: LCS		Units mg/L							
SampID: LCS-66683											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		190	198	0	96.0	84.6	115.4	03/17/2011	

Batch 66683		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030701-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		31				30.00	3.28	03/17/2011	

SW-846 9012A (TOTAL)

Batch R146950		SampType: MBLK		Units mg/L						
SampID: MB-R146950										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/17/2011

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SW-846 9012A (TOTAL)

Batch R146950		SampType: LCS		Units mg/L						
SampID: LCS-R146950										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		0.026	0.025	0	102.9	85	115	03/17/2011

Batch R146950		SampType: MS		Units mg/L						
SampID: 11030701-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.029	S	0.121	0.025	0.1186	10.7	75	125	03/17/2011

Batch R146950		SampType: MSD	Units mg/L		RPD Limit 15					
SampID: 11030701-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028	S	0.135	0.025	0.1186	66.8	0.1212	10.94	03/17/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66648		SampType: MBLK		Units mg/L						
SampID: MB-66648										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/17/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/17/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/17/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/17/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/17/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/17/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/17/2011	

Batch 66648		SampType: LCS		Units mg/L						
SampID: LCS-66648										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.04	2.00	0	102.2	85	115	03/17/2011	
Arsenic	0.0250		2.10	2.00	0	105.1	85	115	03/17/2011	
Barium	0.0050		2.00	2.00	0	100.2	85	115	03/17/2011	
Cadmium	0.0020		0.0507	0.0500	0	101.4	85	115	03/17/2011	
Chromium	0.0100		0.222	0.200	0	110.8	85	115	03/17/2011	
Selenium	0.0500		2.13	2.00	0	106.6	85	115	03/17/2011	
Silver	0.0100		0.0535	0.0500	0	107.0	85	115	03/17/2011	

Batch 66648		SampType: MS		Units mg/L						
SampID: 11030701-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.05	2.00	0	102.7	75	125	03/17/2011	
Barium	0.0050		2.20	2.00	0.3118	94.7	75	125	03/17/2011	
Cadmium	0.0020		0.0483	0.0500	0	96.6	75	125	03/17/2011	
Chromium	0.0100		0.216	0.200	0.006000	104.8	75	125	03/17/2011	
Selenium	0.0500		2.08	2.00	0	103.9	75	125	03/17/2011	
Silver	0.0100		0.0482	0.0500	0	96.4	75	125	03/17/2011	

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SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66648		SampType: MS		Units mg/L						
SampID: 11030701-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch 66648		SampType: MSD		RPD Limit 20						
SampID: 11030701-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		1.98	2.00	0	99.0	2.054	3.67	03/17/2011
Barium		0.0050		2.12	2.00	0.3118	90.2	2.205	4.17	03/17/2011
Cadmium		0.0020		0.0465	0.0500	0	93.0	0.04830	3.80	03/17/2011
Chromium		0.0100		0.204	0.200	0.006000	99.1	0.2156	5.43	03/17/2011
Selenium		0.0500		1.99	2.00	0	99.7	2.078	4.13	03/17/2011
Silver		0.0100		0.0455	0.0500	0	91.0	0.04820	5.76	03/17/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66659		SampType:	MBLK	Units mg/L							
SampID: MB-66659											
Analyses			RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421		0.0020		< 0.0020	0.0020	0	0	-100	100	03/17/2011

Batch 66659		SampType:	LCS	Units mg/L							
SampID: LCS-66659											
Analyses			RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421		0.0020		0.0153	0.0150	0	102.0	80	120	03/17/2011

Batch 66659		SampType:	MS	Units mg/L							
SampID: 11030701-001CMS											
Analyses			RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421		0.0020		0.0134	0.0150	0	89.4	70	130	03/17/2011

Batch 66659		SampType:	MSD	Units mg/L							RPD Limit 20	
SampID: 11030701-001CMSD												
Analyses			RL	Qual	Result	Spike	SPK Ref Val	%REC		RPD Ref Val	%RPD	Date Analyzed
Lead	7421		0.0020		0.0137	0.0150	0	91.1		0.01341	1.97	03/17/2011

SW-846 7470A (TOTAL)

Batch 66664		SampType: MBLK		Units mg/L						
SampID: MB-66664										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	03/17/2011	

Batch 66664		SampType: LCS		Units mg/L						
SampID: LCS-66664										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury	0.00020		0.00493	0.00500	0	98.6	85	115	03/17/2011	

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SW-846 7470A (TOTAL)

Batch 66664		SampType: MS		Units mg/L						Date Analyzed
SampID: 11030701-001CMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		0.00468	0.00500	0	93.6	75	125	03/17/2011	

Batch 66664		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11030701-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00462	0.00500	0	92.4	0.004680	1.29	03/17/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66637		SampType: MBLK		Units mg/L						
SampID: MB-66637										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND							03/16/2011
Acenaphthylene	0.00010		ND							03/16/2011
Anthracene	0.00010		ND							03/16/2011
Benzo(a)anthracene	0.00010		ND							03/16/2011
Benzo(a)pyrene	0.00010		ND							03/16/2011
Benzo(b)fluoranthene	0.00010		ND							03/16/2011
Benzo(g,h,i)perylene	0.00010		ND							03/16/2011
Benzo(k)fluoranthene	0.00010		ND							03/16/2011
Chrysene	0.00010		ND							03/16/2011
Dibenzo(a,h)anthracene	0.00010		ND							03/16/2011
Fluoranthene	0.00010		ND							03/16/2011
Fluorene	0.00010		ND							03/16/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND							03/16/2011
Naphthalene	0.00010		ND							03/16/2011
Phenanthrene	0.00010		ND							03/16/2011
Pyrene	0.00010		ND							03/16/2011
Surr: 2-Fluorobiphenyl			0.00441	0.00500		88.2	41.9	97.9		03/16/2011
Surr: 2-Fluorophenol			0.00507	0.0100		50.7	16.1	79.2		03/16/2011
Surr: Nitrobenzene-d5			0.00520	0.00500		104.0	39.9	106		03/16/2011
Surr: Phenol-d5			0.00296	0.0100		29.6	9.94	53.7		03/16/2011
Surr: p-Terphenyl-d14			0.00527	0.00500		105.4	53	116		03/16/2011

Batch 66637		SampType: LCS		Units mg/L						
SampID: LCS-66637										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00502	0.00500	0	100.4	50.1	103	03/17/2011	
Acenaphthylene	0.00010		0.00503	0.00500	0	100.6	53.3	122	03/17/2011	
Anthracene	0.00010		0.00517	0.00500	0	103.4	57.4	110	03/17/2011	
Benzo(a)anthracene	0.00010		0.00446	0.00500	0	89.2	56	102	03/17/2011	
Benzo(a)pyrene	0.00010		0.00517	0.00500	0	103.4	55.4	125	03/17/2011	
Benzo(b)fluoranthene	0.00010		0.00525	0.00500	0	105.0	59.3	127	03/17/2011	
Benzo(g,h,i)perylene	0.00010		0.00554	0.00500	0	110.8	58.4	125	03/17/2011	
Benzo(k)fluoranthene	0.00010		0.00576	0.00500	0	115.2	61.5	125	03/17/2011	
Chrysene	0.00010		0.00527	0.00500	0	105.4	58.7	118	03/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66637		SampType: LCS		Units mg/L						
SampID: LCS-66637										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dibenzo(a,h)anthracene	0.00010		0.00554	0.00500	0	110.8	59.3	126	03/17/2011	
Fluoranthene	0.00010		0.00547	0.00500	0	109.4	60.1	117	03/17/2011	
Fluorene	0.00010		0.00503	0.00500	0	100.6	54.1	110	03/17/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00556	0.00500	0	111.2	58.1	123	03/17/2011	
Naphthalene	0.00010		0.00474	0.00500	0	94.8	36.3	97.1	03/17/2011	
Phenanthrene	0.00010		0.00514	0.00500	0	102.8	55.9	107	03/17/2011	
Pyrene	0.00010		0.00541	0.00500	0	108.2	61.4	116	03/17/2011	
Surr: 2-Fluorobiphenyl			0.00402	0.00500		80.4	41.9	97.9	03/17/2011	
Surr: 2-Fluorophenol			0.00534	0.0100		53.4	16.1	79.2	03/17/2011	
Surr: Nitrobenzene-d5			0.00459	0.00500		91.8	39.9	106	03/17/2011	
Surr: Phenol-d5			0.00338	0.0100		33.8	9.94	53.7	03/17/2011	
Surr: p-Terphenyl-d14			0.00529	0.00500		105.8	53	116	03/17/2011	

Batch 66637		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66637										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00481	0.00500	0	96.2	0.005020	4.27		03/16/2011
Acenaphthylene	0.00010		0.00495	0.00500	0	99.0	0.005030	1.60		03/16/2011
Anthracene	0.00010		0.00498	0.00500	0	99.6	0.005170	3.74		03/16/2011
Benzo(a)anthracene	0.00010		0.00468	0.00500	0	93.6	0.004460	4.81		03/16/2011
Benzo(a)pyrene	0.00010		0.00540	0.00500	0	108.0	0.005170	4.35		03/16/2011
Benzo(b)fluoranthene	0.00010		0.00537	0.00500	0	107.4	0.005250	2.26		03/16/2011
Benzo(g,h,i)perylene	0.00010		0.00530	0.00500	0	106.0	0.005540	4.43		03/16/2011
Benzo(k)fluoranthene	0.00010		0.00525	0.00500	0	105.0	0.005760	9.26		03/16/2011
Chrysene	0.00010		0.00503	0.00500	0	100.6	0.005270	4.66		03/16/2011
Dibenzo(a,h)anthracene	0.00010		0.00547	0.00500	0	109.4	0.005540	1.27		03/16/2011
Fluoranthene	0.00010		0.00546	0.00500	0	109.2	0.005470	0.18		03/16/2011
Fluorene	0.00010		0.00528	0.00500	0	105.6	0.005030	4.85		03/16/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00552	0.00500	0	110.4	0.005560	0.72		03/16/2011
Naphthalene	0.00010		0.00440	0.00500	0	88.0	0.004740	7.44		03/16/2011
Phenanthrene	0.00010		0.00468	0.00500	0	93.6	0.005140	9.37		03/16/2011
Pyrene	0.00010		0.00553	0.00500	0	110.6	0.005410	2.19		03/16/2011
Surr: 2-Fluorobiphenyl			0.00430	0.00500		86.0				03/16/2011
Surr: 2-Fluorophenol			0.00478	0.0100		47.8				03/16/2011
Surr: Nitrobenzene-d5			0.00509	0.00500		101.8				03/16/2011
Surr: Phenol-d5			0.00288	0.0100		28.8				03/16/2011
Surr: p-Terphenyl-d14			0.00503	0.00500		100.6				03/16/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66677		SampType: MBLK		Units µg/L							
SampID: MBLK-T110316-1											Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Benzene	2.0		ND						03/16/2011		
Ethylbenzene	5.0		ND						03/16/2011		
Toluene	5.0		ND						03/16/2011		
Xylenes, Total	5.0		ND						03/16/2011		

Client: PSC Industrial Outsourcing, LP

Work Order: 11030701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66677 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110316-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			50.5	50.0		101.1	74.7	129	03/16/2011
Surr: 4-Bromofluorobenzene			51.3	50.0		102.6	86	119	03/16/2011
Surr: Dibromofluoromethane			53.4	50.0		106.8	81.7	123	03/16/2011
Surr: Toluene-d8			46.7	50.0		93.4	84.3	114	03/16/2011

Batch 66677 **SampType:** LCSD Units $\mu\text{g/L}$

 RPD Limit **40**

SampID: LCSD-T110316-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		46.1	50.0	0	92.1	44.83	2.71	03/16/2011
Ethylbenzene	5.0		46.9	50.0	0	93.7	45.52	2.92	03/16/2011
Toluene	5.0		44.8	50.0	0	89.6	44.13	1.53	03/16/2011
Xylenes, Total	5.0		143	150	0	95.2	139.8	2.07	03/16/2011
Surr: 1,2-Dichloroethane-d4			50.8	50.0		101.7			03/16/2011
Surr: 4-Bromofluorobenzene			50.3	50.0		100.7			03/16/2011
Surr: Dibromofluoromethane			53.9	50.0		107.8			03/16/2011
Surr: Toluene-d8			46.6	50.0		93.2			03/16/2011

Batch 66677 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110316-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		44.8	50.0	0	89.7	82.7	117	03/16/2011
Ethylbenzene	5.0		45.5	50.0	0	91.0	83	113	03/16/2011
Toluene	5.0		44.1	50.0	0	88.3	79.6	116	03/16/2011
Xylenes, Total	5.0		140	150	0	93.2	80.3	120	03/16/2011
Surr: 1,2-Dichloroethane-d4			51.1	50.0		102.2	74.7	129	03/16/2011
Surr: 4-Bromofluorobenzene			49.7	50.0		99.4	86	119	03/16/2011
Surr: Dibromofluoromethane			53.6	50.0		107.1	81.7	123	03/16/2011
Surr: Toluene-d8			46.6	50.0		93.1	84.3	114	03/16/2011

Batch 66677 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11030701-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		56.5	60.0	9.170	78.9	57.8	125	03/16/2011
Ethylbenzene	5.0		63.8	60.0	1.330	104.1	72.8	123	03/16/2011
Toluene	5.0		60.0	60.0	4.030	93.3	75.8	123	03/16/2011
Xylenes, Total	5.0		127	120	3.140	103.0	73	127	03/16/2011
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.4	74.7	129	03/16/2011
Surr: 4-Bromofluorobenzene			50.3	50.0		100.7	86	119	03/16/2011
Surr: Dibromofluoromethane			52.7	50.0		105.4	81.7	123	03/16/2011
Surr: Toluene-d8			46.6	50.0		93.3	84.3	114	03/16/2011

Batch 66677 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11030701-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		55.6	60.0	9.170	77.4	56.53	1.68	03/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66677		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: 1,2-Dichloroethane-d4										
Surr: 4-Bromofluorobenzene										
Surr: Dibromofluoromethane										
Surr: Toluene-d8										
Ethylbenzene		5.0		64.7	60.0	1.330	105.7	63.80	1.45	03/16/2011
Toluene		5.0		59.6	60.0	4.030	92.7	60.01	0.62	03/16/2011
Xylenes, Total		5.0		127	120	3.140	103.3	126.7	0.28	03/16/2011
Surr: 1,2-Dichloroethane-d4				51.3	50.0		102.6			03/16/2011
Surr: 4-Bromofluorobenzene				50.7	50.0		101.4			03/16/2011
Surr: Dibromofluoromethane				53.0	50.0		106.0			03/16/2011
Surr: Toluene-d8				46.3	50.0		92.7			03/16/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030701

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Mar-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

16-Mar-11

Dawn Brantley

Reviewed by:

On:

16-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

March 23, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030789

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/18/2011 10:30:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030789**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 23-Mar-11**Cooler Receipt Temp:** 2.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

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Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/31/2011	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

Lab ID: 11030789-001

Client Sample ID: 6773-treated-3/17/11

Matrix: AQUEOUS

Collection Date: 03/17/2011 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.83		1	03/18/2011 13:04	R146999
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6	R	6	mg/L	1	03/18/2011 11:15	R146992
<i>RPD was outside the QC limits due to low level results.</i>								
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		27	mg/L	1	03/18/2011 14:10	66716
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	03/21/2011 10:03	R147057
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	S	0.078	mg/L	4	03/21/2011 10:03	R147057
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/21/2011 12:17	66707
Barium	NELAP	0.0050		0.339	mg/L	1	03/21/2011 12:17	66707
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/21/2011 12:17	66707
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	03/21/2011 12:17	66707
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/21/2011 12:17	66707
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/21/2011 12:17	66707
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/21/2011 10:32	66692
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/21/2011 0:00	66702
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00040	mg/L	1	03/18/2011 18:40	66704
Acenaphthylene	NELAP	0.00010		0.00048	mg/L	1	03/18/2011 18:40	66704
Anthracene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Chrysene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Fluorene	NELAP	0.00010		0.00022	mg/L	1	03/18/2011 18:40	66704
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Naphthalene	NELAP	0.00010		0.0182	mg/L	1	03/18/2011 18:40	66704
Phenanthrene	NELAP	0.00010		0.00027	mg/L	1	03/18/2011 18:40	66704
Pyrene	NELAP	0.00010		ND	mg/L	1	03/18/2011 18:40	66704
Total PNAs except Naphthalene		0.00013		0.00137	mg/L	1	03/18/2011 18:40	66704
Surr: 2-Fluorobiphenyl		41.1-108		70.0	%REC	1	03/18/2011 18:40	66704
Surr: 2-Fluorophenol		16.8-65.9		37.1	%REC	1	03/18/2011 18:40	66704
Surr: Nitrobenzene-d5		37.6-105		77.8	%REC	1	03/18/2011 18:40	66704
Surr: Phenol-d5		11-42.8		21.9	%REC	1	03/18/2011 18:40	66704
Surr: p-Terphenyl-d14		49-113		86.4	%REC	1	03/18/2011 18:40	66704



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

Lab ID: 11030789-001

Client Sample ID: 6773-treated-3/17/11

Matrix: AQUEOUS

Collection Date: 03/17/2011 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	21.2	µg/L	1	03/18/2011 16:01	66717
Ethylbenzene	NELAP	5.0		1.8	µg/L	1	03/18/2011 16:01	66717
Toluene	NELAP	5.0		11.0	µg/L	1	03/18/2011 16:01	66717
Xylenes, Total	NELAP	5.0		6.4	µg/L	1	03/18/2011 16:01	66717
Surr: 1,2-Dichloroethane-d4		74.7-129		91.0	%REC	1	03/18/2011 16:01	66717
Surr: 4-Bromofluorobenzene		86-119		101.3	%REC	1	03/18/2011 16:01	66717
Surr: Dibromofluoromethane		81.7-123		99.6	%REC	1	03/18/2011 16:01	66717
Surr: Toluene-d8		84.3-114		97.5	%REC	1	03/18/2011 16:01	66717



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030789-001	6773-treated-3/17/11	Aqueous	5	03/17/2011 13:20

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030789-001A	6773-treated-3/17/11	03/17/2011 13:20	3/18/2011 10:30:00 AM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/18/2011 13:43	03/18/2011 18:40
11030789-001B	6773-treated-3/17/11	03/17/2011 13:20	3/18/2011 10:30:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/18/2011 13:04
	Standard Methods 18th Ed. 2540 D			03/18/2011 11:15
	Standard Methods 18th Ed. 5210 B		03/18/2011 14:10	03/18/2011 14:10
11030789-001C	6773-treated-3/17/11	03/17/2011 13:20	3/18/2011 10:30:00 AM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/18/2011 13:46	03/21/2011 12:17
	SW-846 3020A, Metals by GFAA (Total)		03/18/2011 13:21	03/21/2011 10:32
	SW-846 7470A (Total)		03/18/2011 11:47	03/21/2011 0:00
11030789-001D	6773-treated-3/17/11	03/17/2011 13:20	3/18/2011 10:30:00 AM	
	SW-846 9012A			03/21/2011 10:03
	SW-846 9012A (Total)			03/21/2011 10:03
11030789-001E	6773-treated-3/17/11	03/17/2011 13:20	3/18/2011 10:30:00 AM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/18/2011 16:01

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R146999		SampType: LCS		Units							
SampID: LCS-R146999											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.9	03/18/2011	

Batch R146999		SampType: DUP		Units				RPD Limit 10			
SampID: 11030789-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.80				7.830	0.38	03/18/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R146992		SampType: MBLK		Units mg/L							
SampID: MB-R146992											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/18/2011	

Batch R146992		SampType: LCS		Units mg/L						
SampID: LCS-R146992										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		91	100	0	91.0	85	115	03/18/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	03/18/2011	
Total Suspended Solids	6		90	100	0	90.0	85	115	03/18/2011	

Batch R146992		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11030789-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6	R	7				6.000	15.38	03/18/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66716		SampType: LCS		Units mg/L						
SampID: LCS-66716										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		175	198	0	88.4	84.6	115.4	03/18/2011

Batch 66716		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11030789-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		27				27.00	0.00	03/18/2011	

SW-846 9012A (TOTAL)

Batch R147057		SampType: MBLK		Units mg/L						
SampID: MB-R147057										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/21/2011
Cyanide		0.007		< 0.007						03/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

SW-846 9012A (TOTAL)

Batch R147057		SampType: MBLK	Units mg/L							
SampID: MB-R147057										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Batch R147057		SampType: LCS	Units mg/L							
SampID: LCS-R147057										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.007		0.022	0.025	0	89.3	85	115	03/21/2011
Cyanide		0.007		0.026	0.025	0	103.1	85	115	03/21/2011

Batch R147057		SampType: MS		Units mg/L						
SampID: 11030789-001DMS		Date Analyzed								
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.028		0.105	0.025	0.07754	110.7	75	125	03/21/2011

Batch R147057		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11030789-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.031	S	0.113	0.025	0.07754	140.5	0.1052	6.86	03/21/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66707		SampType: MBLK		Units mg/L						
SampID: MB-66707										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/21/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/21/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/21/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/21/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/21/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/21/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/21/2011	

Batch 66707		SampType: LCS		Units mg/L						
SampID: LCS-66707										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		2.14	2.00	0	106.8	85	115	03/21/2011	
Barium	0.0050		1.95	2.00	0	97.6	85	115	03/21/2011	
Barium	0.0050		1.75	2.00	0	87.7	85	115	03/21/2011	
Cadmium	0.0020		0.0502	0.0500	0	100.4	85	115	03/21/2011	
Chromium	0.0100		0.206	0.200	0	102.9	85	115	03/21/2011	
Selenium	0.0500		1.98	2.00	0	98.8	85	115	03/21/2011	
Silver	0.0100		0.0493	0.0500	0	98.6	85	115	03/21/2011	

Batch 66707		SampType: MS		Units mg/L						
SampID: 11030789-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.14	2.00	0	106.8	75	125	03/21/2011	
Barium	0.0050		2.20	2.00	0.3391	93.1	75	125	03/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66707		SampType: MS		Units mg/L						
SampID: 11030789-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cadmium	0.0020		0.0482	0.0500	0	96.4	75	125	03/21/2011	
Chromium	0.0100		0.197	0.200	0	98.5	75	125	03/21/2011	
Selenium	0.0500		1.96	2.00	0	98.2	75	125	03/21/2011	
Silver	0.0100		0.0501	0.0500	0	100.2	75	125	03/21/2011	

Batch 66707		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11030789-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.12	2.00	0	106.1	2.137	0.70	
Barium		0.0050		2.20	2.00	0.3391	93.0	2.201	0.05	
Cadmium		0.0020		0.0478	0.0500	0	95.6	0.04820	0.83	
Chromium		0.0100		0.200	0.200	0	99.8	0.1970	1.26	
Selenium		0.0500		1.95	2.00	0	97.3	1.965	0.97	
Silver		0.0100		0.0502	0.0500	0	100.4	0.05010	0.20	

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66692		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-66692										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/21/2011

Batch 66692		SampType: LCS		Units mg/L						
SampID: LCS-66692										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0141	0.0150	0	94.1	80	120	03/21/2011

Batch 66692		SampType: MS		Units mg/L						Date Analyzed
SampID: 11030789-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0123	0.0150	0	82.1	70	130	

Batch 66692		SampType: MSD	Units mg/L				RPD Limit 20			
SampID: 11030789-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0115	0.0150	0	76.4	0.01232	7.22	03/21/2011

SW-846 7470A (TOTAL)

Batch 66702		SampType: MBLK		Units mg/L						
SampID: MB-66702										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	03/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

SW-846 7470A (TOTAL)

Batch 66702		SampType: LCS		Units mg/L						
SampID: LCS-66702										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00551	0.00500	0	110.2	85	115	03/21/2011	

Batch 66702		SampType: MS		Units mg/L					
SampID: 11030789-001CMS									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury	0.00020		0.00495	0.00500	0	99.0	75	125	03/21/2011

Batch 66702		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11030789-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00497	0.00500	0	99.4	0.004950	0.40	03/21/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66704		SampType: MBLK		Units mg/L						
SampID: MB-66704									Date	
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						03/18/2011	
Acenaphthylene	0.00010		ND						03/18/2011	
Anthracene	0.00010		ND						03/18/2011	
Benzo(a)anthracene	0.00010		ND						03/18/2011	
Benzo(a)pyrene	0.00010		ND						03/18/2011	
Benzo(b)fluoranthene	0.00010		ND						03/18/2011	
Benzo(g,h,i)perylene	0.00010		ND						03/18/2011	
Benzo(k)fluoranthene	0.00010		ND						03/18/2011	
Chrysene	0.00010		ND						03/18/2011	
Dibenzo(a,h)anthracene	0.00010		ND						03/18/2011	
Fluoranthene	0.00010		ND						03/18/2011	
Fluorene	0.00010		ND						03/18/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/18/2011	
Naphthalene	0.00010		ND						03/18/2011	
Phenanthrene	0.00010		ND						03/18/2011	
Pyrene	0.00010		ND						03/18/2011	
Surr: 2-Fluorobiphenyl			0.00359	0.00500		71.8	41.9	97.9	03/18/2011	
Surr: 2-Fluorophenol			0.00485	0.0100		48.5	16.1	79.2	03/18/2011	
Surr: Nitrobenzene-d5			0.00413	0.00500		82.6	39.9	106	03/18/2011	
Surr: Phenol-d5			0.00278	0.0100		27.8	9.94	53.7	03/18/2011	
Surr: p-Terphenyl-d14			0.00412	0.00500		82.4	53	116	03/18/2011	

Batch 66704		SampType: LCS		Units mg/L						
SampID: LCS-66704										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00379	0.00500	0	75.8	50.1	103	03/18/2011	
Acenaphthylene	0.00010		0.00396	0.00500	0	79.2	53.3	122	03/18/2011	
Anthracene	0.00010		0.00401	0.00500	0	80.2	57.4	110	03/18/2011	
Benzo(a)anthracene	0.00010		0.00357	0.00500	0	71.4	56	102	03/18/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66704		SampType: LCS		Units mg/L						
SampID: LCS-66704										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(a)pyrene	0.00010		0.00413	0.00500	0	82.6	55.4	125	03/18/2011	
Benzo(b)fluoranthene	0.00010		0.00417	0.00500	0	83.4	59.3	127	03/18/2011	
Benzo(g,h,i)perylene	0.00010		0.00411	0.00500	0	82.2	58.4	125	03/18/2011	
Benzo(k)fluoranthene	0.00010		0.00398	0.00500	0	79.6	61.5	125	03/18/2011	
Chrysene	0.00010		0.00389	0.00500	0	77.8	58.7	118	03/18/2011	
Dibenzo(a,h)anthracene	0.00010		0.00415	0.00500	0	83.0	59.3	126	03/18/2011	
Fluoranthene	0.00010		0.00397	0.00500	0	79.4	60.1	117	03/18/2011	
Fluorene	0.00010		0.00394	0.00500	0	78.8	54.1	110	03/18/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00416	0.00500	0	83.2	58.1	123	03/18/2011	
Naphthalene	0.00010		0.00372	0.00500	0	74.4	36.3	97.1	03/18/2011	
Phenanthrene	0.00010		0.00385	0.00500	0	77.0	55.9	107	03/18/2011	
Pyrene	0.00010		0.00408	0.00500	0	81.6	61.4	116	03/18/2011	
Surr: 2-Fluorobiphenyl			0.00367	0.00500		73.4	41.9	97.9	03/18/2011	
Surr: 2-Fluorophenol			0.00469	0.0100		46.9	16.1	79.2	03/18/2011	
Surr: Nitrobenzene-d5			0.00397	0.00500		79.4	39.9	106	03/18/2011	
Surr: Phenol-d5			0.00283	0.0100		28.3	9.94	53.7	03/18/2011	
Surr: p-Terphenyl-d14			0.00411	0.00500		82.2	53	116	03/18/2011	

Batch 66704		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-66704										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene		0.00010		0.00418	0.00500	0	83.6	0.003790	9.79	03/18/2011
Acenaphthylene		0.00010		0.00436	0.00500	0	87.2	0.003960	9.62	03/18/2011
Anthracene		0.00010		0.00438	0.00500	0	87.6	0.004010	8.82	03/18/2011
Benzo(a)anthracene		0.00010		0.00392	0.00500	0	78.4	0.003570	9.35	03/18/2011
Benzo(a)pyrene		0.00010		0.00439	0.00500	0	87.8	0.004130	6.10	03/18/2011
Benzo(b)fluoranthene		0.00010		0.00442	0.00500	0	88.4	0.004170	5.82	03/18/2011
Benzo(g,h,i)perylene		0.00010		0.00440	0.00500	0	88.0	0.004110	6.82	03/18/2011
Benzo(k)fluoranthene		0.00010		0.00427	0.00500	0	85.4	0.003980	7.03	03/18/2011
Chrysene		0.00010		0.00422	0.00500	0	84.4	0.003890	8.14	03/18/2011
Dibenzo(a,h)anthracene		0.00010		0.00447	0.00500	0	89.4	0.004150	7.42	03/18/2011
Fluoranthene		0.00010		0.00435	0.00500	0	87.0	0.003970	9.13	03/18/2011
Fluorene		0.00010		0.00425	0.00500	0	85.0	0.003940	7.57	03/18/2011
Indeno(1,2,3-cd)pyrene		0.00010		0.00447	0.00500	0	89.4	0.004160	7.18	03/18/2011
Naphthalene		0.00010		0.00413	0.00500	0	82.6	0.003720	10.45	03/18/2011
Phenanthrene		0.00010		0.00425	0.00500	0	85.0	0.003850	9.88	03/18/2011
Pyrene		0.00010		0.00440	0.00500	0	88.0	0.004080	7.55	03/18/2011
Surr: 2-Fluorobiphenyl				0.00349	0.00500		69.8			03/18/2011
Surr: 2-Fluorophenol				0.00350	0.0100		35.0			03/18/2011
Surr: Nitrobenzene-d5				0.00381	0.00500		76.2			03/18/2011
Surr: Phenol-d5				0.00209	0.0100		20.9			03/18/2011
Surr: p-Terphenyl-d14				0.00397	0.00500		79.4			03/18/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66717 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-N110318-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						03/18/2011
Ethylbenzene	5.0		ND						03/18/2011
Toluene	5.0		ND						03/18/2011
Xylenes, Total	5.0		ND						03/18/2011
Surr: 1,2-Dichloroethane-d4			46.0	50.0		92.0	74.7	129	03/18/2011
Surr: 4-Bromofluorobenzene			49.9	50.0		99.8	86	119	03/18/2011
Surr: Dibromofluoromethane			49.3	50.0		98.6	81.7	123	03/18/2011
Surr: Toluene-d8			48.4	50.0		96.8	84.3	114	03/18/2011

Batch 66717 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-N110318-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		49.0	50.0	0	98.0	46.42	5.43	03/18/2011
Ethylbenzene	5.0		50.2	50.0	0	100.4	47.66	5.19	03/18/2011
Toluene	5.0		49.5	50.0	0	99.0	46.35	6.59	03/18/2011
Xylenes, Total	5.0		150	150	0	100.1	140.0	6.98	03/18/2011
Surr: 1,2-Dichloroethane-d4			47.0	50.0		93.9			03/18/2011
Surr: 4-Bromofluorobenzene			51.2	50.0		102.4			03/18/2011
Surr: Dibromofluoromethane			50.5	50.0		101.0			03/18/2011
Surr: Toluene-d8			49.0	50.0		97.9			03/18/2011

Batch 66717 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-N110318-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		46.4	50.0	0	92.8	82.7	117	03/18/2011
Ethylbenzene	5.0		47.7	50.0	0	95.3	83	113	03/18/2011
Toluene	5.0		46.4	50.0	0	92.7	79.6	116	03/18/2011
Xylenes, Total	5.0		140	150	0	93.3	80.3	120	03/18/2011
Surr: 1,2-Dichloroethane-d4			47.2	50.0		94.3	74.7	129	03/18/2011
Surr: 4-Bromofluorobenzene			51.6	50.0		103.2	86	119	03/18/2011
Surr: Dibromofluoromethane			50.9	50.0		101.9	81.7	123	03/18/2011
Surr: Toluene-d8			48.4	50.0		96.8	84.3	114	03/18/2011

Batch 66717 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11030789-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		71.7	48.0	21.17	105.3	57.8	125	03/18/2011
Ethylbenzene	5.0		58.2	48.0	1.770	117.6	72.8	123	03/18/2011
Toluene	5.0		63.9	48.0	10.99	110.3	75.8	123	03/18/2011
Xylenes, Total	5.0		119	96.0	6.360	117.3	73	127	03/18/2011
Surr: 1,2-Dichloroethane-d4			45.1	50.0		90.2	74.7	129	03/18/2011
Surr: 4-Bromofluorobenzene			49.9	50.0		99.8	86	119	03/18/2011
Surr: Dibromofluoromethane			49.2	50.0		98.4	81.7	123	03/18/2011
Surr: Toluene-d8			48.6	50.0		97.2	84.3	114	03/18/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66717		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene		2.0		70.6	48.0	21.17	102.9	71.72	1.60	03/18/2011
Ethylbenzene		5.0		58.2	48.0	1.770	117.5	58.23	0.14	03/18/2011
Toluene		5.0		64.6	48.0	10.99	111.7	63.91	1.09	03/18/2011
Xylenes, Total		5.0		118	96.0	6.360	116.0	118.9	1.02	03/18/2011
Surr: 1,2-Dichloroethane-d4				45.4	50.0		90.8			03/18/2011
Surr: 4-Bromofluorobenzene				49.7	50.0		99.4			03/18/2011
Surr: Dibromofluoromethane				49.6	50.0		99.1			03/18/2011
Surr: Toluene-d8				48.3	50.0		96.6			03/18/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030789

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Mar-11

Carrier: Kathy McClain

Received By: DB

Completed by:

On:

18-Mar-11

Timothy W. Mathis

Reviewed by:

On:

18-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

March 28, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11030913

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/22/2011 2:42:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |

Client: PSC Industrial Outsourcing, LP**Work Order:** 11030913**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 28-Mar-11**Cooler Receipt Temp:** 3.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

Lab ID: 11030913-001

Client Sample ID: 30984-treated-3/21/11

Matrix: AQUEOUS

Collection Date: 03/21/2011 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.20		1	03/22/2011 15:28	R147136
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		7	mg/L	1	03/23/2011 10:30	R147182
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		28	mg/L	1	03/23/2011 13:30	66806
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	03/23/2011 8:05	R147166
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	S	0.148	mg/L	4	03/23/2011 8:05	R147166
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	03/23/2011 9:57	66779
Barium	NELAP	0.0050		0.267	mg/L	1	03/23/2011 9:57	66779
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	03/23/2011 9:57	66779
Chromium	NELAP	0.0100	J	0.0040	mg/L	1	03/23/2011 9:57	66779
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/23/2011 9:57	66779
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/23/2011 9:57	66779
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	03/23/2011 9:28	66778
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/23/2011 8:08	66731
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00026	mg/L	1	03/23/2011 9:09	66757
Acenaphthylene	NELAP	0.00010		0.00030	mg/L	1	03/23/2011 9:09	66757
Anthracene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Chrysene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Fluorene	NELAP	0.00010		0.00014	mg/L	1	03/23/2011 9:09	66757
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Naphthalene	NELAP	0.00010		0.0141	mg/L	1	03/23/2011 9:09	66757
Phenanthrene	NELAP	0.00010		0.00017	mg/L	1	03/23/2011 9:09	66757
Pyrene	NELAP	0.00010		ND	mg/L	1	03/23/2011 9:09	66757
Total PNAs except Naphthalene		0.00013		0.00087	mg/L	1	03/23/2011 9:09	66757
Surr: 2-Fluorobiphenyl		41.1-108		76.4	%REC	1	03/23/2011 9:09	66757
Surr: 2-Fluorophenol		16.8-65.9		32.8	%REC	1	03/23/2011 9:09	66757
Surr: Nitrobenzene-d5		37.6-105		88.0	%REC	1	03/23/2011 9:09	66757
Surr: Phenol-d5		11-42.8		22.1	%REC	1	03/23/2011 9:09	66757
Surr: p-Terphenyl-d14		49-113		67.2	%REC	1	03/23/2011 9:09	66757
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		9.3	µg/L	1	03/22/2011 17:12	66796

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

Lab ID: 11030913-001

Client Sample ID: 30984-treated-3/21/11

Matrix: AQUEOUS

Collection Date: 03/21/2011 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0	J	1.6	µg/L	1	03/22/2011 17:12	66796
Toluene	NELAP	5.0	J	4.1	µg/L	1	03/22/2011 17:12	66796
Xylenes, Total	NELAP	5.0	J	4.0	µg/L	1	03/22/2011 17:12	66796
Surr: 1,2-Dichloroethane-d4		74.7-129		106.9	%REC	1	03/22/2011 17:12	66796
Surr: 4-Bromofluorobenzene		86-119		95.2	%REC	1	03/22/2011 17:12	66796
Surr: Dibromofluoromethane		81.7-123		105.3	%REC	1	03/22/2011 17:12	66796
Surr: Toluene-d8		84.3-114		101.0	%REC	1	03/22/2011 17:12	66796



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11030913-001	30984-treated-3/21/11	Aqueous	5	03/21/2011 14:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11030913-001A	30984-treated-3/21/11	03/21/2011 14:00	3/22/2011 2:42:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/22/2011 18:39	03/23/2011 9:09
11030913-001B	30984-treated-3/21/11	03/21/2011 14:00	3/22/2011 2:42:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/22/2011 15:28
	Standard Methods 18th Ed. 2540 D			03/23/2011 10:30
	Standard Methods 18th Ed. 5210 B		03/23/2011 13:30	03/23/2011 13:30
11030913-001C	30984-treated-3/21/11	03/21/2011 14:00	3/22/2011 2:42:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/22/2011 15:30	03/23/2011 9:57
	SW-846 3020A, Metals by GFAA (Total)		03/22/2011 15:27	03/23/2011 9:28
	SW-846 7470A (Total)		03/22/2011 15:57	03/23/2011 8:08
11030913-001D	30984-treated-3/21/11	03/21/2011 14:00	3/22/2011 2:42:00 PM	
	SW-846 9012A			03/23/2011 8:05
	SW-846 9012A (Total)			03/23/2011 8:05
11030913-001E	30984-treated-3/21/11	03/21/2011 14:00	3/22/2011 2:42:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/22/2011 17:12

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R147136		SampType: LCS		Units						
SampID: LCS-R147136										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.9	03/22/2011

Batch R147136		SampType: DUP		Units				RPD Limit 10			
SampID: 11030913-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.21				8.200	0.12	03/22/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R147182		SampType: MBLK		Units mg/L						
SampID: MB-R147182										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						03/23/2011

Batch R147182		SampType: LCS		Units mg/L						
SampID: LCS-R147182										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		94	100	0	94.0	85	115	03/23/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	03/23/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	03/23/2011	

Batch R147182		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11030913-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		7				7.000	0.00	03/23/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 66806		SampType: LCS		Units mg/L						
SampID: LCS-66806										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		202	198	0	102.0	84.6	115.4	03/23/2011

Batch 66806		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11030913-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		28				28.00	0.00	03/23/2011

SW-846 9012A (TOTAL)

Batch R147166		SampType: MBLK		Units mg/L						
SampID: MB-R147166										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

SW-846 9012A (TOTAL)

Batch R147166 SampType: LCS		Units mg/L								Date Analyzed
SampID: LCS-R147166										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.007		0.024	0.025	0	95.4	85	115	03/23/2011	
Cyanide	0.007		0.026	0.025	0	103.4	85	115	03/23/2011	

Batch R147166 SampType: MS		Units mg/L								Date Analyzed
SampID: 11030913-001DMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.028	S	0.166	0.025	0.1480	72.8	75	125	03/23/2011	

Batch R147166		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11030913-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.030		0.179	0.025	0.1480	122.8	0.1662	7.26	03/23/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66779 SampType: MBLK		Units mg/L								Date Analyzed
SampID: MB-66779										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/23/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/23/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/23/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/23/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/23/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/23/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/23/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/23/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/23/2011	

Batch 66779 SampType: LCS		Units mg/L								Date Analyzed
SampID: LCS-66779										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		2.05	2.00	0	102.4	85	115	03/23/2011	
Arsenic	0.0250		2.08	2.00	0	104.0	85	115	03/23/2011	
Barium	0.0050		2.02	2.00	0	100.8	85	115	03/23/2011	
Cadmium	0.0020		0.0499	0.0500	0	99.8	85	115	03/23/2011	
Cadmium	0.0020		0.0513	0.0500	0	102.6	85	115	03/23/2011	
Chromium	0.0100		0.212	0.200	0	106.2	85	115	03/23/2011	
Chromium	0.0100		0.209	0.200	0	104.4	85	115	03/23/2011	
Selenium	0.0500		2.01	2.00	0	100.5	85	115	03/23/2011	
Silver	0.0100		0.0521	0.0500	0	104.2	85	115	03/23/2011	

Batch 66779 SampType: MS		Units mg/L								Date Analyzed
SampID: 11030913-001CMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		2.08	2.00	0	103.8	75	125	03/23/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66779		SampType: MS		Units mg/L						
SampID: 11030913-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Barium	0.0050		2.13	2.00	0.2666	93.4	75	125	03/23/2011	
Cadmium	0.0020		0.0492	0.0500	0.0004000	97.6	75	125	03/23/2011	
Chromium	0.0100		0.206	0.200	0.004000	101.1	75	125	03/23/2011	
Selenium	0.0500		2.00	2.00	0	100.2	75	125	03/23/2011	
Silver	0.0100		0.0520	0.0500	0	104.0	75	125	03/23/2011	

Batch 66779		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11030913-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.02	2.00	0	100.8	2.075	2.83	03/23/2011
Barium		0.0050		2.10	2.00	0.2666	91.6	2.134	1.65	03/23/2011
Cadmium		0.0020		0.0477	0.0500	0.0004000	94.6	0.04920	3.10	03/23/2011
Chromium		0.0100		0.201	0.200	0.004000	98.4	0.2062	2.70	03/23/2011
Selenium		0.0500		1.93	2.00	0	96.6	2.004	3.66	03/23/2011
Silver		0.0100		0.0497	0.0500	0	99.4	0.05200	4.52	03/23/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66778		SampType: MBLK		Units mg/L						
SampID: MB-66778										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/23/2011

Batch 66778		SampType: LCS		Units mg/L							
SampID: LCS-66778											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0152	0.0150	0	101.0	80	120	03/23/2011	

Batch 66778		SampType: MS		Units mg/L							
SampID: 11030913-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0128	0.0150	0	85.5	70	130	03/23/2011	

Batch 66778		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11030913-001CMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead	7421	0.0020		0.0135	0.0150	0	90.2	0.01282	5.37	03/23/2011	

SW-846 7470A (TOTAL)

Batch 66731		SampType: MBLK		Units mg/L						
SampID: MB-66731										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

SW-846 7470A (TOTAL)

Batch 66731		SampType: LCS		Units mg/L					Date Analyzed	
SampID: LCS-66731										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		0.00505	0.00500	0	101.0	85	115	03/23/2011	

Batch 66731		SampType: MS		Units mg/L						
SampID: 11030913-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00465	0.00500	0	93.0	75	125	03/23/2011	

Batch 66731		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11030913-001CMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury	0.00020		0.00455	0.00500	0	91.0	0.004650	2.17	03/23/2011	

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66757		SampType: MBLK		Units mg/L						
SampID: MB-66757										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						03/22/2011	
Acenaphthylene	0.00010		ND						03/22/2011	
Anthracene	0.00010		ND						03/22/2011	
Benzo(a)anthracene	0.00010		ND						03/22/2011	
Benzo(a)pyrene	0.00010		ND						03/22/2011	
Benzo(b)fluoranthene	0.00010		ND						03/22/2011	
Benzo(g,h,i)perylene	0.00010		ND						03/22/2011	
Benzo(k)fluoranthene	0.00010		ND						03/22/2011	
Chrysene	0.00010		ND						03/22/2011	
Dibenzo(a,h)anthracene	0.00010		ND						03/22/2011	
Fluoranthene	0.00010		ND						03/22/2011	
Fluorene	0.00010		ND						03/22/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/22/2011	
Naphthalene	0.00010		ND						03/22/2011	
Phenanthrene	0.00010		ND						03/22/2011	
Pyrene	0.00010		ND						03/22/2011	
Surr: 2-Fluorobiphenyl			0.00394	0.00500		78.8	41.9	97.9	03/22/2011	
Surr: 2-Fluorophenol			0.00482	0.0100		48.2	16.1	79.2	03/22/2011	
Surr: Nitrobenzene-d5			0.00446	0.00500		89.2	39.9	106	03/22/2011	
Surr: Phenol-d5			0.00307	0.0100		30.7	9.94	53.7	03/22/2011	
Surr: p-Terphenyl-d14			0.00447	0.00500		89.4	53	116	03/22/2011	

Batch 66757		SampType: LCS		Units mg/L						
SampID: LCS-66757										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00434	0.00500	0	86.8	50.1	103	03/22/2011	
Acenaphthylene	0.00010		0.00445	0.00500	0	89.0	53.3	122	03/22/2011	
Anthracene	0.00010		0.00395	0.00500	0	79.0	57.4	110	03/22/2011	
Benzo(a)anthracene	0.00010		0.00416	0.00500	0	83.2	56	102	03/22/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66757		SampType: LCS		Units mg/L						
SampID: LCS-66757										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(a)pyrene	0.00010		0.00462	0.00500	0	92.4	55.4	125	03/22/2011	
Benzo(b)fluoranthene	0.00010		0.00487	0.00500	0	97.4	59.3	127	03/22/2011	
Benzo(g,h,i)perylene	0.00010		0.00474	0.00500	0	94.8	58.4	125	03/22/2011	
Benzo(k)fluoranthene	0.00010		0.00538	0.00500	0	107.6	61.5	125	03/22/2011	
Chrysene	0.00010		0.00472	0.00500	0	94.4	58.7	118	03/22/2011	
Dibenzo(a,h)anthracene	0.00010		0.00484	0.00500	0	96.8	59.3	126	03/22/2011	
Fluoranthene	0.00010		0.00480	0.00500	0	96.0	60.1	117	03/22/2011	
Fluorene	0.00010		0.00444	0.00500	0	88.8	54.1	110	03/22/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00484	0.00500	0	96.8	58.1	123	03/22/2011	
Naphthalene	0.00010		0.00433	0.00500	0	86.6	36.3	97.1	03/22/2011	
Phenanthrene	0.00010		0.00473	0.00500	0	94.6	55.9	107	03/22/2011	
Pyrene	0.00010		0.00474	0.00500	0	94.8	61.4	116	03/22/2011	
Surr: 2-Fluorobiphenyl			0.00389	0.00500		77.8	41.9	97.9	03/22/2011	
Surr: 2-Fluorophenol			0.00415	0.0100		41.5	16.1	79.2	03/22/2011	
Surr: Nitrobenzene-d5			0.00432	0.00500		86.4	39.9	106	03/22/2011	
Surr: Phenol-d5			0.00285	0.0100		28.5	9.94	53.7	03/22/2011	
Surr: p-Terphenyl-d14			0.00411	0.00500		82.2	53	116	03/22/2011	

Batch 66757	SampType: LCSD	Units mg/L					RPD Limit 50			
SampID: LCSD-66757										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00469	0.00500	0	93.8	0.004340	7.75		03/22/2011
Acenaphthylene	0.00010		0.00463	0.00500	0	92.6	0.004450	3.96		03/22/2011
Anthracene	0.00010		0.00417	0.00500	0	83.4	0.003950	5.42		03/22/2011
Benzo(a)anthracene	0.00010		0.00437	0.00500	0	87.4	0.004160	4.92		03/22/2011
Benzo(a)pyrene	0.00010		0.00492	0.00500	0	98.4	0.004620	6.29		03/22/2011
Benzo(b)fluoranthene	0.00010		0.00499	0.00500	0	99.8	0.004870	2.43		03/22/2011
Benzo(g,h,i)perylene	0.00010		0.00517	0.00500	0	103.4	0.004740	8.68		03/22/2011
Benzo(k)fluoranthene	0.00010		0.00572	0.00500	0	114.4	0.005380	6.13		03/22/2011
Chrysene	0.00010		0.00488	0.00500	0	97.6	0.004720	3.33		03/22/2011
Dibenzo(a,h)anthracene	0.00010		0.00506	0.00500	0	101.2	0.004840	4.44		03/22/2011
Fluoranthene	0.00010		0.00494	0.00500	0	98.8	0.004800	2.87		03/22/2011
Fluorene	0.00010		0.00463	0.00500	0	92.6	0.004440	4.19		03/22/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00513	0.00500	0	102.6	0.004840	5.82		03/22/2011
Naphthalene	0.00010		0.00452	0.00500	0	90.4	0.004330	4.29		03/22/2011
Phenanthrene	0.00010		0.00471	0.00500	0	94.2	0.004730	0.42		03/22/2011
Pyrene	0.00010		0.00474	0.00500	0	94.8	0.004740	0.00		03/22/2011
Surr: 2-Fluorobiphenyl			0.00396	0.00500		79.2				03/22/2011
Surr: 2-Fluorophenol			0.00435	0.0100		43.5				03/22/2011
Surr: Nitrobenzene-d5			0.00460	0.00500		92.0				03/22/2011
Surr: Phenol-d5			0.00291	0.0100		29.1				03/22/2011
Surr: p-Terphenyl-d14			0.00420	0.00500		84.0				03/22/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66796 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-R110322-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						03/22/2011
Ethylbenzene	5.0		ND						03/22/2011
Toluene	5.0		ND						03/22/2011
Xylenes, Total	5.0		ND						03/22/2011
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.7	74.7	129	03/22/2011
Surr: 4-Bromofluorobenzene			49.9	50.0		99.9	86	119	03/22/2011
Surr: Dibromofluoromethane			52.0	50.0		103.9	81.7	123	03/22/2011
Surr: Toluene-d8			50.6	50.0		101.2	84.3	114	03/22/2011

Batch 66796 **SampType:** LCSD Units $\mu\text{g/L}$

SampID: LCSD-R110322-1

RPD Limit 40

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.2	50.0	0	100.4	48.41	3.59	03/22/2011
Ethylbenzene	5.0		50.1	50.0	0	100.2	48.06	4.20	03/22/2011
Toluene	5.0		51.2	50.0	0	102.3	49.31	3.68	03/22/2011
Xylenes, Total	5.0		155	150	0	103.4	149.2	3.93	03/22/2011
Surr: 1,2-Dichloroethane-d4			52.5	50.0		104.9			03/22/2011
Surr: 4-Bromofluorobenzene			49.6	50.0		99.2			03/22/2011
Surr: Dibromofluoromethane			53.3	50.0		106.6			03/22/2011
Surr: Toluene-d8			50.6	50.0		101.1			03/22/2011

Batch 66796 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110322-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		48.4	50.0	0	96.8	82.7	117	03/22/2011
Ethylbenzene	5.0		48.1	50.0	0	96.1	83	113	03/22/2011
Toluene	5.0		49.3	50.0	0	98.6	79.6	116	03/22/2011
Xylenes, Total	5.0		149	150	0	99.4	80.3	120	03/22/2011
Surr: 1,2-Dichloroethane-d4			53.1	50.0		106.2	74.7	129	03/22/2011
Surr: 4-Bromofluorobenzene			49.5	50.0		99.0	86	119	03/22/2011
Surr: Dibromofluoromethane			53.3	50.0		106.5	81.7	123	03/22/2011
Surr: Toluene-d8			50.7	50.0		101.3	84.3	114	03/22/2011

Batch 66796 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11030913-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		49.9	46.0	9.290	88.3	57.8	125	03/22/2011
Ethylbenzene	5.0		44.4	46.0	1.550	93.1	72.8	123	03/22/2011
Toluene	5.0		47.1	46.0	4.130	93.4	75.8	123	03/22/2011
Xylenes, Total	5.0		92.0	92.0	3.960	95.6	73	127	03/22/2011
Surr: 1,2-Dichloroethane-d4			53.9	50.0		107.8	74.7	129	03/22/2011
Surr: 4-Bromofluorobenzene			48.6	50.0		97.1	86	119	03/22/2011
Surr: Dibromofluoromethane			52.8	50.0		105.5	81.7	123	03/22/2011
Surr: Toluene-d8			50.7	50.0		101.5	84.3	114	03/22/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66796		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11030913-001EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		50.2	46.0	9.290	89.0	49.91	0.68	03/22/2011
Ethylbenzene		5.0		45.4	46.0	1.550	95.3	44.38	2.27	03/22/2011
Toluene		5.0		48.4	46.0	4.130	96.3	47.09	2.85	03/22/2011
Xylenes, Total		5.0		95.2	92.0	3.960	99.2	91.95	3.53	03/22/2011
Surr: 1,2-Dichloroethane-d4				53.5	50.0		107.0			03/22/2011
Surr: 4-Bromofluorobenzene				49.6	50.0		99.1			03/22/2011
Surr: Dibromofluoromethane				52.1	50.0		104.3			03/22/2011
Surr: Toluene-d8				51.4	50.0		102.9			03/22/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11030913

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Mar-11

Carrier: Kathy McClain

Received By: JHR

Completed by:

On:

22-Mar-11

Dawn Brantley

Reviewed by:

On:

22-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

Chain of Custody Record

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09997

11030913

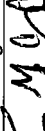
[illegible]

Samples Iced:		☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics	Hydrochloric acid (HCl)		
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol		
☐ TPH	Hydrochloric acid and/or Sulfuric acid		
☐ Metals	Nitric acid (HNO ₃)		
☒ Cyanide	Sodium hydroxide (NaOH)		
☐ Other (Specify)			

Lab Directives:	
Requested TAT: ☒ Rush	☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: <u>P-SAZAMA & LHOOSIER</u>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

Shipping:	
Carrier / Airbill No.	

Signature	Date	Time
	3/22/11	8:42 am
J. McClean	3/22/11	2:42 pm

Received by:	Signature	Date	Time
		3/22/11	8:42am
		3/22/11	14:42pm

Distribution: WHITE to Lab
PE-179 (6/03)
CANARY to PM
PINK to QA/QC

GREEN to Sampler

CANAHY TO PM

PINK to QA/QC

Shaded Areas to be Completed by Lab

April 06, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11031227

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/29/2011 3:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	17
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11031227**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 06-Apr-11**Cooler Receipt Temp:** 4.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

Lab ID: 11031227-001

Client Sample ID: 4091-treated-3/29/11

Matrix: AQUEOUS

Collection Date: 03/29/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.84		1	03/29/2011 17:57	R147435
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		20	mg/L	1	03/30/2011 11:50	R147464
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		21	mg/L	1	03/30/2011 12:50	66955
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.030		Interference	mg/L	4	03/30/2011 11:01	R147471
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.030	S	0.126	mg/L	4	03/30/2011 11:01	R147471
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.014	mg/L	1	03/30/2011 12:46	66904
Barium	NELAP	0.0050		0.300	mg/L	1	03/30/2011 12:46	66904
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	03/30/2011 12:46	66904
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	03/30/2011 12:46	66904
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	03/30/2011 12:46	66904
Silver	NELAP	0.0100		< 0.0100	mg/L	1	03/30/2011 12:46	66904
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0009	mg/L	1	03/30/2011 12:00	66908
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	03/30/2011 10:15	66924
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00016	mg/L	1	03/30/2011 8:36	66898
Acenaphthylene	NELAP	0.00010		0.00028	mg/L	1	03/30/2011 8:36	66898
Anthracene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Chrysene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Fluoranthene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Fluorene	NELAP	0.00010		0.00010	mg/L	1	03/30/2011 8:36	66898
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Naphthalene	NELAP	0.00010		0.0112	mg/L	1	03/30/2011 8:36	66898
Phenanthrene	NELAP	0.00010		0.00015	mg/L	1	03/30/2011 8:36	66898
Pyrene	NELAP	0.00010		ND	mg/L	1	03/30/2011 8:36	66898
Total PNAs except Naphthalene		0.00013		0.00069	mg/L	1	03/30/2011 8:36	66898
Surr: 2-Fluorobiphenyl		41.1-108		75.8	%REC	1	03/30/2011 8:36	66898
Surr: 2-Fluorophenol		16.8-65.9		40.4	%REC	1	03/30/2011 8:36	66898
Surr: Nitrobenzene-d5		37.6-105		79.6	%REC	1	03/30/2011 8:36	66898
Surr: Phenol-d5		11-42.8		25.1	%REC	1	03/30/2011 8:36	66898
Surr: p-Terphenyl-d14		49-113		78.6	%REC	1	03/30/2011 8:36	66898

LCS out low for Benzo(a)anthracene, Benzo(k)fluoranthene, Dimethyl phthalate, and Pyrene due to sample lab extraction error. Insufficient sample remaining to re-extract.



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

Lab ID: 11031227-001

Client Sample ID: 4091-treated-3/29/11

Matrix: AQUEOUS

Collection Date: 03/29/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		14.7	µg/L	1	03/29/2011 20:46	66945
Ethylbenzene	NELAP	5.0	J	1.0	µg/L	1	03/29/2011 20:46	66945
Toluene	NELAP	5.0		7.2	µg/L	1	03/29/2011 20:46	66945
Xylenes, Total	NELAP	5.0	J	3.9	µg/L	1	03/29/2011 20:46	66945
Surr: 1,2-Dichloroethane-d4		74.7-129		110.4	%REC	1	03/29/2011 20:46	66945
Surr: 4-Bromofluorobenzene		86-119		99.4	%REC	1	03/29/2011 20:46	66945
Surr: Dibromofluoromethane		81.7-123		105.0	%REC	1	03/29/2011 20:46	66945
Surr: Toluene-d8		84.3-114		101.9	%REC	1	03/29/2011 20:46	66945



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11031227-001	4091-treated-3/29/11	Aqueous	5	03/29/2011 9:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11031227-001A	4091-treated-3/29/11	03/29/2011 9:00	3/29/2011 3:10:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		03/29/2011 16:14	03/30/2011 8:36
11031227-001B	4091-treated-3/29/11	03/29/2011 9:00	3/29/2011 3:10:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/29/2011 17:57
	Standard Methods 18th Ed. 2540 D			03/30/2011 11:50
	Standard Methods 18th Ed. 5210 B		03/30/2011 12:50	03/30/2011 12:50
11031227-001C	4091-treated-3/29/11	03/29/2011 9:00	3/29/2011 3:10:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/30/2011 8:16	03/30/2011 12:46
	SW-846 3020A, Metals by GFAA (Total)		03/30/2011 8:14	03/30/2011 12:00
	SW-846 7470A (Total)		03/30/2011 7:11	03/30/2011 10:15
11031227-001D	4091-treated-3/29/11	03/29/2011 9:00	3/29/2011 3:10:00 PM	
	SW-846 9012A			03/30/2011 11:01
	SW-846 9012A (Total)			03/30/2011 11:01
11031227-001E	4091-treated-3/29/11	03/29/2011 9:00	3/29/2011 3:10:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/29/2011 20:46

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R147435		SampType: LCS		Units							
SampID: LCS-R147435											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.9	03/29/2011	

Batch R147435		SampType: DUP		Units				RPD Limit 10			
SampID: 11031227-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.88				7.840	0.51	03/29/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R147464		SampType: MBLK		Units mg/L							
SampID: MB-R147464											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						03/30/2011	

Batch R147464		SampType: LCS		Units mg/L						
SampID: LCS-R147464										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		99	100	0	99.0	85	115	03/30/2011
Total Suspended Solids		6		98	100	0	98.0	85	115	03/30/2011

Batch R147464		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11031227-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		20				20.00	0.00	03/30/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 66955		SampType: LCS		Units mg/L							
SampID: LCS-66955											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		207	198	0	104.5	84.6	115.4	03/30/2011	

Batch 66955		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11031227-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		21				21.00	0.00	03/30/2011	

SW-846 9012A (TOTAL)

Batch R147471		SampType: MBLK		Units mg/L						
SampID: MB-R147471										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						03/30/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 9012A (TOTAL)

Batch R147471		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-R147471										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.007		0.026	0.025	0	103.8	85	115	03/30/2011	

Batch R147471		SampType: MS		Units mg/L						Date Analyzed
SampID: 11031227-001DMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.028		0.150	0.025	0.1256	96.4	75	125	03/30/2011	

Batch R147471		SampType: MSD	Units mg/L		RPD Limit 15					
SampID: 11031227-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.028	S	0.139	0.025	0.1256	54.9	0.1497	7.18	03/30/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66904		SampType: MBLK		Units mg/L						
SampID: MB-66904										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/29/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	03/30/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/29/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	03/30/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/30/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	03/29/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/29/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/30/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	03/30/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/29/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/30/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	03/30/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/29/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	03/30/2011	

Batch 66904		SampType: LCS		Units mg/L						
SampID: LCS-66904										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.18	2.00	0	108.8	85	115	03/30/2011	
Arsenic	0.0250		2.00	2.00	0	99.9	85	115	03/29/2011	
Barium	0.0050		1.96	2.00	0	97.8	85	115	03/29/2011	
Barium	0.0050		2.06	2.00	0	103.2	85	115	03/30/2011	
Cadmium	0.0020		0.0502	0.0500	0	100.4	85	115	03/29/2011	
Cadmium	0.0020		0.0520	0.0500	0	104.0	85	115	03/30/2011	
Chromium	0.0100		0.212	0.200	0	106.2	85	115	03/30/2011	
Chromium	0.0100		0.206	0.200	0	102.8	85	115	03/29/2011	
Chromium	0.0100		0.209	0.200	0	104.3	85	115	03/30/2011	
Selenium	0.0500		1.96	2.00	0	97.8	85	115	03/29/2011	
Selenium	0.0500		2.02	2.00	0	100.9	85	115	03/30/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66904		SampType: LCS		Units mg/L						
SampID: LCS-66904										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Selenium	0.0500		2.06	2.00	0	103.0	85	115	03/30/2011	
Silver	0.0100		0.0539	0.0500	0	107.8	85	115	03/29/2011	
Silver	0.0100		0.0547	0.0500	0	109.4	85	115	03/30/2011	

Batch 66904		SampType: MS		Units mg/L						
SampID: 11031227-001CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.13	2.00	0.01360	105.9	75	125	03/30/2011
Barium		0.0050		2.25	2.00	0.3002	97.6	75	125	03/30/2011
Cadmium		0.0020		0.0487	0.0500	0	97.4	75	125	03/30/2011
Chromium		0.0100		0.201	0.200	0	100.7	75	125	03/30/2011
Selenium		0.0500		1.99	2.00	0	99.5	75	125	03/30/2011
Silver		0.0100		0.0533	0.0500	0	106.6	75	125	03/30/2011

Batch 66904		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11031227-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.16	2.00	0.01360	107.6	2.132	1.54	03/30/2011
Barium		0.0050		2.30	2.00	0.3002	100	2.253	2.06	03/30/2011
Cadmium		0.0020		0.0493	0.0500	0	98.6	0.04870	1.22	03/30/2011
Chromium		0.0100		0.201	0.200	0	100.6	0.2013	0.10	03/30/2011
Selenium		0.0500		2.04	2.00	0	102.2	1.990	2.68	03/30/2011
Silver		0.0100		0.0528	0.0500	0	105.6	0.05330	0.94	03/30/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66908		SampType: MBLK		Units mg/L							
SampID: MB-66908											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	03/30/2011	

Batch 66908		SampType: LCS		Units mg/L						
SampID: LCS-66908										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0147	0.0150	0	98.3	80	120	03/30/2011

Batch 66908		SampType: MS		Units mg/L						
SampID: 11031227-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0175	0.0150	0.0009180	110.4	70	130	03/30/2011

Batch 66908		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11031227-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Lead	7421	0.0020		0.0176	0.0150	0.0009180	111.4	0.01747	0.86	03/30/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66908		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11031227-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	

SW-846 7470A (TOTAL)

Batch 66924		SampType: MBLK		Units mg/L						
SampID: MB-66924										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	03/30/2011

Batch 66924		SampType: LCS		Units mg/L						
SampID: LCS-66924										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00520	0.00500	0	104.0	85	115	03/30/2011

Batch 66924		SampType: MS		Units mg/L						
SampID: 11031227-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00451	0.00500	0	90.2	75	125	03/30/2011

Batch 66924		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11031227-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00450	0.00500	0	90.0	0.004510	0.22	03/30/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66898	SampType: MBLK	Units mg/L							
SampID: MB-66898									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						03/29/2011
Acenaphthene	0.00010		ND						03/29/2011
Acenaphthylene	0.00010		ND						03/29/2011
Anthracene	0.00010		ND						03/29/2011
Anthracene	0.00010		ND						03/29/2011
Benzo(a)anthracene	0.00010		ND						03/29/2011
Benzo(a)pyrene	0.00010		ND						03/29/2011
Benzo(b)fluoranthene	0.00010		ND						03/29/2011
Benzo(g,h,i)perylene	0.00010		ND						03/29/2011
Benzo(k)fluoranthene	0.00010		ND						03/29/2011
Chrysene	0.00010		ND						03/29/2011
Dibenzo(a,h)anthracene	0.00010		ND						03/29/2011
Fluoranthene	0.00010		ND						03/29/2011
Fluoranthene	0.00010		ND						03/29/2011
Fluorene	0.00010		ND						03/29/2011
Fluorene	0.00010		ND						03/29/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						03/29/2011
Naphthalene	0.00010		ND						03/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66898		SampType: MBLK	Units mg/L								
SampID: MB-66898											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Naphthalene		0.00010		ND							03/29/2011
Phenanthrene		0.00010		ND							03/29/2011
Phenanthrene		0.00010		ND							03/29/2011
Pyrene		0.00010		ND							03/29/2011
Pyrene		0.00010		ND							03/29/2011
Surr: 2-Fluorobiphenyl				0.00384	0.00500		76.9	41.9	97.9		03/29/2011
Surr: 2-Fluorobiphenyl				0.00298	0.00500		59.6	41.9	97.9		03/29/2011
Surr: 2-Fluorophenol				0.00477	0.0100		47.7	16.1	79.2		03/29/2011
Surr: 2-Fluorophenol				0.00355	0.0100		35.5	16.1	79.2		03/29/2011
Surr: Nitrobenzene-d5				0.00387	0.00500		77.3	39.9	106		03/29/2011
Surr: Nitrobenzene-d5				0.00298	0.00500		59.6	39.9	106		03/29/2011
Surr: Phenol-d5				0.00288	0.0100		28.8	9.94	53.7		03/29/2011
Surr: Phenol-d5				0.00222	0.0100		22.2	9.94	53.7		03/29/2011
Surr: p-Terphenyl-d14				0.00403	0.00500		80.7	53	116		03/29/2011
Surr: p-Terphenyl-d14				0.00358	0.00500		71.6	53	116		03/29/2011

Batch 66898	SampType: LCS	Units mg/L							
SampID: LCS-66898									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		0.00291	0.00500	0	58.2	50.1	103	03/29/2011
Acenaphthene	0.00010		0.00289	0.00500	0	57.8	50.1	103	03/29/2011
Acenaphthylene	0.00010		0.00299	0.00500	0	59.8	53.3	122	03/29/2011
Anthracene	0.00010		0.00294	0.00500	0	58.8	57.4	110	03/29/2011
Anthracene	0.00010		0.00289	0.00500	0	57.8	57.4	110	03/29/2011
Benzo(a)anthracene	0.00010	S	0.00275	0.00500	0	55.0	56	102	03/29/2011
Benzo(a)pyrene	0.00010		0.00283	0.00500	0	56.6	55.4	125	03/29/2011
Benzo(b)fluoranthene	0.00010		0.00298	0.00500	0	59.6	59.3	127	03/29/2011
Benzo(g,h,i)perylene	0.00010		0.00305	0.00500	0	61.0	58.4	125	03/29/2011
Benzo(k)fluoranthene	0.00010	S	0.00289	0.00500	0	57.8	61.5	125	03/29/2011
Chrysene	0.00010		0.00296	0.00500	0	59.2	58.7	118	03/29/2011
Dibenzo(a,h)anthracene	0.00010		0.00299	0.00500	0	59.8	59.3	126	03/29/2011
Fluoranthene	0.00010		0.00301	0.00500	0	60.2	60.1	117	03/29/2011
Fluoranthene	0.00010		0.00306	0.00500	0	61.1	60.1	117	03/29/2011
Fluorene	0.00010		0.00289	0.00500	0	57.8	54.1	110	03/29/2011
Fluorene	0.00010		0.00305	0.00500	0	61.0	54.1	110	03/29/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00302	0.00500	0	60.4	58.1	123	03/29/2011
Naphthalene	0.00010		0.00279	0.00500	0	55.8	36.3	97.1	03/29/2011
Naphthalene	0.00010		0.00286	0.00500	0	57.2	36.3	97.1	03/29/2011
Phenanthrene	0.00010		0.00318	0.00500	0	63.5	55.9	107	03/29/2011
Phenanthrene	0.00010		0.00307	0.00500	0	61.4	55.9	107	03/29/2011
Pyrene	0.00010		0.00312	0.00500	0	62.5	61.4	116	03/29/2011
Pyrene	0.00010	S	0.00302	0.00500	0	60.4	61.4	116	03/29/2011
Surr: 2-Fluorobiphenyl			0.00226	0.00500		45.2	41.9	97.9	03/29/2011
Surr: 2-Fluorobiphenyl			0.00244	0.00500		48.7	41.9	97.9	03/29/2011
Surr: 2-Fluorophenol			0.00300	0.0100		30.0	16.1	79.2	03/29/2011
Surr: 2-Fluorophenol			0.00274	0.0100		27.4	16.1	79.2	03/29/2011
Surr: Nitrobenzene-d5			0.00270	0.00500		54.0	39.9	106	03/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 66898		SampType: LCS		Units mg/L						
SampID: LCS-66898										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Nitrobenzene-d5				0.00227	0.00500		45.4	39.9	106	03/29/2011
Surr: Phenol-d5				0.00178	0.0100		17.8	9.94	53.7	03/29/2011
Surr: Phenol-d5				0.00189	0.0100		18.9	9.94	53.7	03/29/2011
Surr: p-Terphenyl-d14				0.00274	0.00500		54.8	53	116	03/29/2011
Surr: p-Terphenyl-d14				0.00270	0.00500		54.0	53	116	03/29/2011

Batch 66898	SampType: LCSD	Units mg/L						RPD Limit 50		
SampID: LCSD-66898										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00371	0.00500	0	74.2	0.002910	24.17		03/29/2011
Acenaphthene	0.00010		0.00429	0.00500	0	85.8	0.002890	38.95		03/29/2011
Acenaphthylene	0.00010		0.00387	0.00500	0	77.4	0.002990	25.66		03/29/2011
Anthracene	0.00010		0.00417	0.00500	0	83.5	0.002942	34.63		03/29/2011
Anthracene	0.00010		0.00394	0.00500	0	78.8	0.002890	30.75		03/29/2011
Benzo(a)anthracene	0.00010		0.00353	0.00500	0	70.6	0.002750	24.84		03/29/2011
Benzo(a)pyrene	0.00010		0.00370	0.00500	0	74.0	0.002830	26.65		03/29/2011
Benzo(b)fluoranthene	0.00010		0.00385	0.00500	0	77.0	0.002980	25.48		03/29/2011
Benzo(g,h,i)perylene	0.00010		0.00398	0.00500	0	79.6	0.003050	26.46		03/29/2011
Benzo(k)fluoranthene	0.00010		0.00376	0.00500	0	75.2	0.002890	26.17		03/29/2011
Chrysene	0.00010		0.00371	0.00500	0	74.2	0.002960	22.49		03/29/2011
Dibenzo(a,h)anthracene	0.00010		0.00395	0.00500	0	79.0	0.002990	27.67		03/29/2011
Fluoranthene	0.00010		0.00380	0.00500	0	76.0	0.003010	23.20		03/29/2011
Fluoranthene	0.00010		0.00410	0.00500	0	81.9	0.003055	29.11		03/29/2011
Fluorene	0.00010		0.00429	0.00500	0	85.8	0.003051	33.76		03/29/2011
Fluorene	0.00010		0.00374	0.00500	0	74.8	0.002890	25.64		03/29/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00396	0.00500	0	79.2	0.003020	26.93		03/29/2011
Naphthalene	0.00010		0.00373	0.00500	0	74.7	0.002792	28.84		03/29/2011
Naphthalene	0.00010		0.00372	0.00500	0	74.4	0.002860	26.14		03/29/2011
Phenanthrene	0.00010		0.00418	0.00500	0	83.6	0.003177	27.22		03/29/2011
Phenanthrene	0.00010		0.00392	0.00500	0	78.4	0.003070	24.32		03/29/2011
Pyrene	0.00010		0.00417	0.00500	0	83.3	0.003124	28.59		03/29/2011
Pyrene	0.00010		0.00386	0.00500	0	77.2	0.003020	24.42		03/29/2011
Surr: 2-Fluorobiphenyl			0.00326	0.00500		65.2				03/29/2011
Surr: 2-Fluorobiphenyl			0.00298	0.00500		59.6				03/29/2011
Surr: 2-Fluorophenol			0.00428	0.0100		42.8				03/29/2011
Surr: 2-Fluorophenol			0.00382	0.0100		38.2				03/29/2011
Surr: Nitrobenzene-d5			0.00298	0.00500		59.6				03/29/2011
Surr: Nitrobenzene-d5			0.00366	0.00500		73.1				03/29/2011
Surr: Phenol-d5			0.00257	0.0100		25.7				03/29/2011
Surr: Phenol-d5			0.00231	0.0100		23.1				03/29/2011
Surr: p-Terphenyl-d14			0.00368	0.00500		73.6				03/29/2011
Surr: p-Terphenyl-d14			0.00351	0.00500		70.2				03/29/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66945 **SampType:** MBLK **Units** µg/L

SampID: MBLK-R110329-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.50		ND						03/29/2011
Benzene	2.0		ND						03/29/2011
Ethylbenzene	1.00		ND						03/29/2011
Ethylbenzene	5.0		ND						03/29/2011
Toluene	2.00		ND						03/29/2011
Toluene	5.0		ND						03/29/2011
Xylenes, Total	5.0		ND						03/29/2011
Xylenes, Total	1.00		ND						03/29/2011
Surr: 1,2-Dichloroethane-d4			52.9	50.0		105.8	74.7	129	03/29/2011
Surr: 1,2-Dichloroethane-d4			52.9	50.0		105.8	74.7	129	03/29/2011
Surr: 4-Bromofluorobenzene			49.2	50.0		98.3	86	119	03/29/2011
Surr: 4-Bromofluorobenzene			49.2	50.0		98.3	86	119	03/29/2011
Surr: Dibromofluoromethane			51.8	50.0		103.6	81.7	123	03/29/2011
Surr: Dibromofluoromethane			51.8	50.0		103.6	81.7	123	03/29/2011
Surr: Toluene-d8			50.8	50.0		101.6	84.3	114	03/29/2011
Surr: Toluene-d8			50.8	50.0		101.6	84.3	114	03/29/2011

Batch 66945 **SampType:** LCSD **Units** µg/L

RPD Limit 40
SampID: LCSD-R110329-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.50		46.8	50.0	0	93.7	48.49	3.44	03/29/2011
Benzene	2.0		46.8	50.0	0	93.7	48.49	3.44	03/29/2011
Ethylbenzene	1.00		48.2	50.0	0	96.3	48.91	1.52	03/29/2011
Ethylbenzene	5.0		48.2	50.0	0	96.3	48.91	1.52	03/29/2011
Toluene	5.0		48.7	50.0	0	97.3	49.93	2.56	03/29/2011
Toluene	2.00		48.7	50.0	0	97.3	49.93	2.56	03/29/2011
Xylenes, Total	5.0		149	150	0	99.1	150.8	1.44	03/29/2011
Xylenes, Total	1.00		149	150	0	99.1	150.8	1.44	03/29/2011
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.4			03/29/2011
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.4			03/29/2011
Surr: 4-Bromofluorobenzene			49.9	50.0		99.8			03/29/2011
Surr: 4-Bromofluorobenzene			49.9	50.0		99.8			03/29/2011
Surr: Dibromofluoromethane			52.5	50.0		105.0			03/29/2011
Surr: Dibromofluoromethane			52.5	50.0		105.0			03/29/2011
Surr: Toluene-d8			50.7	50.0		101.3			03/29/2011
Surr: Toluene-d8			50.7	50.0		101.3			03/29/2011

Batch 66945 **SampType:** LCS **Units** µg/L

SampID: LCS-R110329-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		48.5	50.0	0	97.0	82.7	117	03/29/2011
Benzene	0.50		48.5	50.0	0	97.0	82.7	117	03/29/2011
Ethylbenzene	5.0		48.9	50.0	0	97.8	83	113	03/29/2011
Ethylbenzene	1.00		48.9	50.0	0	97.8	83	113	03/29/2011
Toluene	2.00		49.9	50.0	0	99.9	79.6	116	03/29/2011
Toluene	5.0		49.9	50.0	0	99.9	79.6	116	03/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 66945 **SampType:** LCS Units $\mu\text{g/L}$

SampleID: LCS-R110329-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Xylenes, Total	1.00		151	150	0	100.5	80.3	120	03/29/2011
Xylenes, Total	5.0		151	150	0	100.5	80.3	120	03/29/2011
Surr: 1,2-Dichloroethane-d4			52.4	50.0		104.7	74.7	129	03/29/2011
Surr: 1,2-Dichloroethane-d4			52.4	50.0		104.7	74.7	129	03/29/2011
Surr: 4-Bromofluorobenzene			50.0	50.0		99.9	86	119	03/29/2011
Surr: 4-Bromofluorobenzene			50.0	50.0		99.9	86	119	03/29/2011
Surr: Dibromofluoromethane			52.2	50.0		104.4	81.7	123	03/29/2011
Surr: Dibromofluoromethane			52.2	50.0		104.4	81.7	123	03/29/2011
Surr: Toluene-d8			50.4	50.0		100.8	84.3	114	03/29/2011
Surr: Toluene-d8			50.4	50.0		100.8	84.3	114	03/29/2011

Batch 66945 **SampType:** MS Units $\mu\text{g/L}$

SampleID: 11031227-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		53.2	46.0	14.69	83.7	57.8	125	03/29/2011
Ethylbenzene	5.0		44.4	46.0	1.000	94.4	72.8	123	03/29/2011
Toluene	5.0		50.1	46.0	7.240	93.2	75.8	123	03/29/2011
Xylenes, Total	5.0		95.1	92.0	3.920	99.1	73	127	03/29/2011
Surr: 1,2-Dichloroethane-d4			54.5	50.0		109.0	74.7	129	03/29/2011
Surr: 4-Bromofluorobenzene			49.8	50.0		99.6	86	119	03/29/2011
Surr: Dibromofluoromethane			51.6	50.0		103.2	81.7	123	03/29/2011
Surr: Toluene-d8			49.9	50.0		99.7	84.3	114	03/29/2011

Batch 66945 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampleID: 11031227-001EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		52.6	46.0	14.69	82.3	53.21	1.25	03/29/2011
Ethylbenzene	5.0		44.8	46.0	1.000	95.3	44.43	0.94	03/29/2011
Toluene	5.0		50.5	46.0	7.240	94.0	50.10	0.80	03/29/2011
Xylenes, Total	5.0		96.5	92.0	3.920	100.7	95.06	1.53	03/29/2011
Surr: 1,2-Dichloroethane-d4			54.5	50.0		109.1			03/29/2011
Surr: 4-Bromofluorobenzene			49.7	50.0		99.4			03/29/2011
Surr: Dibromofluoromethane			51.8	50.0		103.6			03/29/2011
Surr: Toluene-d8			51.2	50.0		102.3			03/29/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031227

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Apr-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

29-Mar-11

Dawn Brantley

Reviewed by:

On:

29-Mar-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 09998

11031227

Project Name: <u>Champaign M6P</u>		Project Mgr.: <u>P. SAZAMA</u>	
Project Number: <u>624-0908-0130</u>		Cost Code: <u>30002</u>	
Sampler(s): <u>J. BLANTON</u>		Matrix	
Laboratory		Name: <u>TEKLAB</u>	
Location: <u>COLLINSVILLE</u>		Water	
Sample Number and (depth)		Air	
Date		Other *	
Time		Soil	
4091-treated-3/29/11		3/29/11 9:00	
Total Number of Containers		7	
Analyses by Method Name and Number		Total Number of Containers	
BTEX (EPA 8210)		X	
SUD (EPA 8210 SIMS)		X	
TOTAL METALS		X	
CYANIDE		X	
TSS		X	
BOD's		X	
PH		X	
Comments (Field PID)		RUSH	
Lab ID #'s		11031227	
Laboratory Temperature upon Receipt		4.4	

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☐ Metals	Nitric acid (NaOH)
☒ Cyanide	Sodium hydroxide
☐ Other (Specify)	
Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: <u>P. SAZAMA & L. NOOSIER</u>	
Send Invoice to:	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature		Signature	
		Robert J. Sherrin		S. J. Sherrin	
		3/29/11 11:57		3/29/11 11:57	
		3/29/11 1570		3/29/11 1070	

April 12, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11031344

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 3/31/2011 3:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |

Client: PSC Industrial Outsourcing, LP**Work Order:** 11031344**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 12-Apr-11**Cooler Receipt Temp:** 3.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

Lab ID: 11031344-001

Client Sample ID: 30984-treated-3/31/11

Matrix: AQUEOUS

Collection Date: 03/31/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.23		1	03/31/2011 17:30	R147537
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	03/31/2011 16:30	R147568
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		24	mg/L	1	04/01/2011 14:20	67027
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.028		Interference	mg/L	4	04/01/2011 7:56	R147587
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.028	S	0.096	mg/L	4	04/01/2011 7:56	R147587
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.010	mg/L	1	04/01/2011 13:17	66996
Barium	NELAP	0.0050		0.256	mg/L	1	04/01/2011 13:17	66996
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/01/2011 13:17	66996
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	04/01/2011 13:17	66996
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/01/2011 13:17	66996
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/01/2011 13:17	66996
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/01/2011 10:29	66995
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/01/2011 11:18	67006
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00029	mg/L	1	04/01/2011 15:47	67013
Acenaphthylene	NELAP	0.00010		0.00070	mg/L	1	04/01/2011 15:47	67013
Anthracene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Chrysene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Fluorene	NELAP	0.00010		0.00020	mg/L	1	04/01/2011 15:47	67013
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Naphthalene	NELAP	0.00010		0.0277	mg/L	1	04/01/2011 15:47	67013
Phenanthrene	NELAP	0.00010		0.00030	mg/L	1	04/01/2011 15:47	67013
Pyrene	NELAP	0.00010		ND	mg/L	1	04/01/2011 15:47	67013
Total PNAs except Naphthalene		0.00013		0.00149	mg/L	1	04/01/2011 15:47	67013
Surr: 2-Fluorobiphenyl		41.1-108		89.4	%REC	1	04/01/2011 15:47	67013
Surr: 2-Fluorophenol		16.8-65.9		39.9	%REC	1	04/01/2011 15:47	67013
Surr: Nitrobenzene-d5		37.6-105		89.0	%REC	1	04/01/2011 15:47	67013
Surr: Phenol-d5		11-42.8		25.0	%REC	1	04/01/2011 15:47	67013
Surr: p-Terphenyl-d14		49-113		88.2	%REC	1	04/01/2011 15:47	67013
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		30.4	µg/L	1	03/31/2011 22:45	67022

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

Lab ID: 11031344-001

Client Sample ID: 30984-treated-3/31/11

Matrix: AQUEOUS

Collection Date: 03/31/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0	J	2.6	µg/L	1	03/31/2011 22:45	67022
Toluene	NELAP	5.0		15.6	µg/L	1	03/31/2011 22:45	67022
Xylenes, Total	NELAP	5.0		9.5	µg/L	1	03/31/2011 22:45	67022
Surr: 1,2-Dichloroethane-d4		74.7-129		96.6	%REC	1	03/31/2011 22:45	67022
Surr: 4-Bromofluorobenzene		86-119		99.0	%REC	1	03/31/2011 22:45	67022
Surr: Dibromofluoromethane		81.7-123		100.4	%REC	1	03/31/2011 22:45	67022
Surr: Toluene-d8		84.3-114		100.5	%REC	1	03/31/2011 22:45	67022



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11031344-001	30984-treated-3/31/11	Aqueous	5	03/31/2011 9:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11031344-001A	30984-treated-3/31/11	03/31/2011 9:00	3/31/2011 3:10:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/01/2011 8:34	04/01/2011 15:47
11031344-001B	30984-treated-3/31/11	03/31/2011 9:00	3/31/2011 3:10:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			03/31/2011 17:30
	Standard Methods 18th Ed. 2540 D			03/31/2011 16:30
	Standard Methods 18th Ed. 5210 B		04/01/2011 14:20	04/01/2011 14:20
11031344-001C	30984-treated-3/31/11	03/31/2011 9:00	3/31/2011 3:10:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		03/31/2011 16:40	04/01/2011 13:17
	SW-846 3020A, Metals by GFAA (Total)		03/31/2011 16:38	04/01/2011 10:29
	SW-846 7470A (Total)		04/01/2011 7:03	04/01/2011 11:18
11031344-001D	30984-treated-3/31/11	03/31/2011 9:00	3/31/2011 3:10:00 PM	
	SW-846 9012A			04/01/2011 7:56
	SW-846 9012A (Total)			04/01/2011 7:56
11031344-001E	30984-treated-3/31/11	03/31/2011 9:00	3/31/2011 3:10:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			03/31/2011 22:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED
Batch R147537 **SampType:** LCS

Units

SampID: LCS-R147537

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH	1.00		7.01	7.00	0	100.1	99.1	100.9	03/31/2011

Batch R147537 **SampType:** DUP

Units

 RPD Limit **10**

SampID: 11031344-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		8.25				8.230	0.24	03/31/2011

STANDARD METHODS 18TH ED. 2540 D
Batch R147568 **SampType:** MBLK

Units mg/L

SampID: MB-R147568

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		< 6						03/31/2011

Batch R147568 **SampType:** LCS

Units mg/L

SampID: LCS-R147568

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		94	100	0	94.0	85	115	03/31/2011
Total Suspended Solids	6		100	100	0	100	85	115	03/31/2011

Batch R147568 **SampType:** DUP

Units mg/L

 RPD Limit **15**

SampID: 11031344-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	6		< 6				0	0.00	03/31/2011

STANDARD METHODS 18TH ED. 5210 B
Batch 67027 **SampType:** LCS

Units mg/L

SampID: LCS-67027

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand	5		177	198	0	89.4	84.6	115.4	04/01/2011

Batch 67027 **SampType:** DUP

Units mg/L

 RPD Limit **40**

SampID: 11031344-001B-DUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand	5		23				24.00	4.26	04/01/2011

SW-846 9012A (TOTAL)
Batch R147587 **SampType:** MBLK

Units mg/L

SampID: MB-R147587

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.007		< 0.007						04/01/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

SW-846 9012A (TOTAL)

Batch R147587		SampType: LCS		Units mg/L						
SampID: LCS-R147587										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		0.025	0.025	0	99.3	85	115	04/01/2011

Batch R147587		SampType: MS		Units mg/L						Date Analyzed
SampID: 11031344-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.029		0.121	0.025	0.09616	100.2	75	125	04/01/2011

Batch R147587		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 11031344-001DMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.028	S	0.113	0.025	0.09616	69.0	0.1212	6.65	04/01/2011	

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66996		SampType: MBLK		Units mg/L					
SampID: MB-66996									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/01/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/01/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/01/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/01/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/01/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/01/2011

Batch 66996		SampType: LCS		Units mg/L						
SampID: LCS-66996										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.09	2.00	0	104.4	85	115	04/01/2011
Barium		0.0050		1.86	2.00	0	93.1	85	115	04/01/2011
Cadmium		0.0020		0.0503	0.0500	0	100.6	85	115	04/01/2011
Chromium		0.0100		0.208	0.200	0	104.0	85	115	04/01/2011
Selenium		0.0500		1.98	2.00	0	99.0	85	115	04/01/2011
Silver		0.0100		0.0518	0.0500	0	103.6	85	115	04/01/2011

Batch 66996		SampType: MS		Units mg/L						
SampID: 11031344-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.02	2.00	0.01020	100.3	75	125	04/01/2011	
Barium	0.0050		1.98	2.00	0.2555	86.0	75	125	04/01/2011	
Cadmium	0.0020		0.0465	0.0500	0	93.0	75	125	04/01/2011	
Chromium	0.0100		0.196	0.200	0	98.2	75	125	04/01/2011	
Selenium	0.0500		1.90	2.00	0	95.2	75	125	04/01/2011	
Silver	0.0100		0.0494	0.0500	0	98.8	75	125	04/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 66996		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11031344-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.05	2.00	0.01020	101.9	2.016	1.57	04/01/2011
Barium		0.0050		1.97	2.00	0.2555	85.7	1.976	0.35	04/01/2011
Cadmium		0.0020		0.0469	0.0500	0	93.8	0.04650	0.86	04/01/2011
Chromium		0.0100		0.198	0.200	0	99.2	0.1965	1.01	04/01/2011
Selenium		0.0500		1.92	2.00	0	95.9	1.903	0.73	04/01/2011
Silver		0.0100		0.0498	0.0500	0	99.6	0.04940	0.81	04/01/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 66995		SampType: MBLK		Units mg/L						
SampID: MB-66995										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	04/01/2011

Batch 66995		SampType: LCS		Units mg/L						
SampID: LCS-66995										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0136	0.0150	0	90.9	80	120	04/01/2011

Batch 66995		SampType: MS		Units mg/L						
SampID: 11031344-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0040		0.0125	0.0150	0	83.3	70	130	04/01/2011

Batch 66995		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11031344-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0040		0.0127	0.0150	0	84.5	0.01250	1.34	04/01/2011

SW-846 7470A (TOTAL)

Batch 67006		SampType: MBLK		Units mg/L						
SampID: MB-67006										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	04/01/2011	

Batch 67006		SampType: LCS		Units mg/L						
SampID: LCS-67006										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00553	0.00500	0	110.6	85	115	04/01/2011	

Batch 67006		SampType: MS		Units mg/L						
SampID: 11031344-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00522	0.00500	0	104.4	75	125	04/01/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

SW-846 7470A (TOTAL)

Batch 67006		SampType: MS		Units mg/L							
SampID: 11031344-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 67006		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11031344-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00523	0.00500	0	104.6	0.005220	0.19	04/01/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	67013	SampType:	MBLK	Units mg/L						
SampID: MB-67013										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						04/01/2011	
Acenaphthylene	0.00010		ND						04/01/2011	
Anthracene	0.00010		ND						04/01/2011	
Benzo(a)anthracene	0.00010		ND						04/01/2011	
Benzo(a)pyrene	0.00010		ND						04/01/2011	
Benzo(b)fluoranthene	0.00010		ND						04/01/2011	
Benzo(g,h,i)perylene	0.00010		ND						04/01/2011	
Benzo(k)fluoranthene	0.00010		ND						04/01/2011	
Chrysene	0.00010		ND						04/01/2011	
Dibenzo(a,h)anthracene	0.00010		ND						04/01/2011	
Fluoranthene	0.00010		ND						04/01/2011	
Fluorene	0.00010		ND						04/01/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/01/2011	
Naphthalene	0.00010		ND						04/01/2011	
Phenanthrene	0.00010		ND						04/01/2011	
Pyrene	0.00010		ND						04/01/2011	
Surr: 2-Fluorobiphenyl			0.00469	0.00500		93.8	41.9	97.9	04/01/2011	
Surr: 2-Fluorophenol			0.00629	0.0100		62.9	16.1	79.2	04/01/2011	
Surr: Nitrobenzene-d5			0.00444	0.00500		88.8	39.9	106	04/01/2011	
Surr: Phenol-d5			0.00380	0.0100		38.0	9.94	53.7	04/01/2011	
Surr: p-Terphenyl-d14			0.00407	0.00500		81.4	53	116	04/01/2011	

Batch 67013		SampType: LCS		Units mg/L						
SampID: LCS-67013										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00469	0.00500	0	93.8	50.1	103	04/01/2011	
Acenaphthylene	0.00010		0.00477	0.00500	0	95.4	53.3	122	04/01/2011	
Anthracene	0.00010		0.00519	0.00500	0	103.8	57.4	110	04/01/2011	
Benzo(a)anthracene	0.00010		0.00482	0.00500	0	96.4	56	102	04/01/2011	
Benzo(a)pyrene	0.00010		0.00526	0.00500	0	105.2	55.4	125	04/01/2011	
Benzo(b)fluoranthene	0.00010		0.00539	0.00500	0	107.8	59.3	127	04/01/2011	
Benzo(g,h,i)perylene	0.00010		0.00504	0.00500	0	100.8	58.4	125	04/01/2011	
Benzo(k)fluoranthene	0.00010		0.00504	0.00500	0	100.8	61.5	125	04/01/2011	
Chrysene	0.00010		0.00522	0.00500	0	104.4	58.7	118	04/01/2011	
Dibenzo(a,h)anthracene	0.00010		0.00502	0.00500	0	100.4	59.3	126	04/01/2011	
Fluoranthene	0.00010		0.00497	0.00500	0	99.4	60.1	117	04/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67013		SampType: LCS		Units mg/L						
SampID: LCS-67013										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluorene		0.00010		0.00482	0.00500	0	96.4	54.1	110	04/01/2011
Indeno(1,2,3-cd)pyrene		0.00010		0.00512	0.00500	0	102.4	58.1	123	04/01/2011
Naphthalene		0.00010		0.00461	0.00500	0	92.2	36.3	97.1	04/01/2011
Phenanthrene		0.00010		0.00508	0.00500	0	101.6	55.9	107	04/01/2011
Pyrene		0.00010		0.00494	0.00500	0	98.8	61.4	116	04/01/2011
Surr: 2-Fluorobiphenyl				0.00417	0.00500		83.4	41.9	97.9	04/01/2011
Surr: 2-Fluorophenol				0.00516	0.0100		51.6	16.1	79.2	04/01/2011
Surr: Nitrobenzene-d5				0.00428	0.00500		85.6	39.9	106	04/01/2011
Surr: Phenol-d5				0.00313	0.0100		31.3	9.94	53.7	04/01/2011
Surr: p-Terphenyl-d14				0.00414	0.00500		82.8	53	116	04/01/2011

Batch 67013		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67013										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00489	0.00500	0	97.8	0.004690	4.18		04/04/2011
Acenaphthylene	0.00010		0.00494	0.00500	0	98.8	0.004770	3.50		04/04/2011
Anthracene	0.00010		0.00516	0.00500	0	103.2	0.005190	0.58		04/04/2011
Benzo(a)anthracene	0.00010		0.00492	0.00500	0	98.4	0.004820	2.05		04/04/2011
Benzo(a)pyrene	0.00010		0.00526	0.00500	0	105.2	0.005260	0.00		04/04/2011
Benzo(b)fluoranthene	0.00010		0.00550	0.00500	0	110.0	0.005390	2.02		04/04/2011
Benzo(g,h,i)perylene	0.00010		0.00521	0.00500	0	104.2	0.005040	3.32		04/04/2011
Benzo(k)fluoranthene	0.00010		0.00541	0.00500	0	108.2	0.005040	7.08		04/04/2011
Chrysene	0.00010		0.00547	0.00500	0	109.4	0.005220	4.68		04/04/2011
Dibenzo(a,h)anthracene	0.00010		0.00527	0.00500	0	105.4	0.005020	4.86		04/04/2011
Fluoranthene	0.00010		0.00498	0.00500	0	99.6	0.004970	0.20		04/04/2011
Fluorene	0.00010		0.00497	0.00500	0	99.4	0.004820	3.06		04/04/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00533	0.00500	0	106.6	0.005120	4.02		04/04/2011
Naphthalene	0.00010		0.00454	0.00500	0	90.8	0.004610	1.53		04/04/2011
Phenanthrene	0.00010		0.00532	0.00500	0	106.4	0.005080	4.62		04/04/2011
Pyrene	0.00010		0.00504	0.00500	0	100.8	0.004940	2.00		04/04/2011
Surr: 2-Fluorobiphenyl			0.00415	0.00500		83.0				04/04/2011
Surr: 2-Fluorophenol			0.00491	0.0100		49.1				04/04/2011
Surr: Nitrobenzene-d5			0.00406	0.00500		81.2				04/04/2011
Surr: Phenol-d5			0.00309	0.0100		30.9				04/04/2011
Surr: p-Terphenyl-d14			0.00417	0.00500		83.4				04/04/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67022		SampType: MBLK		Units µg/L							
SampID: MBLK-N110331-1											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene		2.0		ND						03/31/2011	
Ethylbenzene		5.0		ND						03/31/2011	
Toluene		5.0		ND						03/31/2011	
Xylenes, Total		5.0		ND						03/31/2011	
Surr: 1,2-Dichloroethane-d4				49.8	50.0		99.7	74.7	129	03/31/2011	
Surr: 4-Bromofluorobenzene				49.4	50.0		98.8	86	119	03/31/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67022 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-N110331-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Dibromofluoromethane			50.6	50.0		101.1	81.7	123	03/31/2011
Surr: Toluene-d8			50.2	50.0		100.5	84.3	114	03/31/2011

Batch 67022 **SampType:** LCSD Units $\mu\text{g/L}$

SampID: LCSD-N110331-1

 RPD Limit **40**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		49.4	50.0	0	98.8	50.54	2.30	03/31/2011
Ethylbenzene	5.0		52.0	50.0	0	104.0	51.73	0.50	03/31/2011
Toluene	5.0		52.6	50.0	0	105.2	51.42	2.23	03/31/2011
Xylenes, Total	5.0		154	150	0	102.7	156.5	1.58	03/31/2011
Surr: 1,2-Dichloroethane-d4			48.8	50.0		97.6			03/31/2011
Surr: 4-Bromofluorobenzene			50.2	50.0		100.3			03/31/2011
Surr: Dibromofluoromethane			50.1	50.0		100.2			03/31/2011
Surr: Toluene-d8			50.9	50.0		101.9			03/31/2011

Batch 67022 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-N110331-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		50.5	50.0	0	101.1	82.7	117	03/31/2011
Ethylbenzene	5.0		51.7	50.0	0	103.5	83	113	03/31/2011
Toluene	5.0		51.4	50.0	0	102.8	79.6	116	03/31/2011
Xylenes, Total	5.0		157	150	0	104.4	80.3	120	03/31/2011
Surr: 1,2-Dichloroethane-d4			49.1	50.0		98.2	74.7	129	03/31/2011
Surr: 4-Bromofluorobenzene			50.8	50.0		101.6	86	119	03/31/2011
Surr: Dibromofluoromethane			51.1	50.0		102.2	81.7	123	03/31/2011
Surr: Toluene-d8			50.4	50.0		100.9	84.3	114	03/31/2011

Batch 67022 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11031344-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		81.7	48.0	30.42	106.8	57.8	125	03/31/2011
Ethylbenzene	5.0		58.8	48.0	2.560	117.3	72.8	123	03/31/2011
Toluene	5.0		70.0	48.0	15.55	113.4	75.8	123	03/31/2011
Xylenes, Total	5.0		119	96.0	9.540	114.4	73	127	03/31/2011
Surr: 1,2-Dichloroethane-d4			48.4	50.0		96.8	74.7	129	03/31/2011
Surr: 4-Bromofluorobenzene			49.3	50.0		98.6	86	119	03/31/2011
Surr: Dibromofluoromethane			50.3	50.0		100.6	81.7	123	03/31/2011
Surr: Toluene-d8			50.3	50.0		100.6	84.3	114	03/31/2011

Batch 67022 **SampType:** MSD Units $\mu\text{g/L}$

SampID: 11031344-001EMS

 RPD Limit **20**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		82.9	48.0	30.42	109.2	81.67	1.45	03/31/2011
Ethylbenzene	5.0		59.0	48.0	2.560	117.6	58.85	0.25	03/31/2011
Toluene	5.0		69.8	48.0	15.55	113.0	70.00	0.27	03/31/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67022		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Xylenes, Total		5.0		121	96.0	9.540	116.2	119.4	1.37	03/31/2011
Surr: 1,2-Dichloroethane-d4				49.2	50.0		98.5			03/31/2011
Surr: 4-Bromofluorobenzene				49.2	50.0		98.3			03/31/2011
Surr: Dibromofluoromethane				50.4	50.0		100.9			03/31/2011
Surr: Toluene-d8				50.6	50.0		101.2			03/31/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11031344

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 12-Apr-11

Carrier: Sean Spinner

Received By: JM

Completed by:

Marvin L. Darling II

Reviewed by:

Heather A. White

On:

On:

31-Mar-11

31-Mar-11

Marvin L. Darling

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

COC Serial No. B 09999

11031344

[illegible]

Samples Iced:		☒ Yes	☐ No
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics	Hydrochloric acid (HCl)		
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol		
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)		
☐ Metals	Nitric acid (NaOH)		
☒ Cyanide	Sodium hydroxide		
☐ Other (Specify)			

Lab Directives:	
Requested TAT: ☒ Rush	☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: <u>P. S. AZARMA & L. NOOSIER</u>	
Send Invoice to: _____	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: _____	
Reporting Limits: _____	
* Special: _____	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
		3/31/11	10:48		3/31/11
		3/31/11	1570		3/31/11

April 13, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11040380

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/8/2011 2:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11040380**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 13-Apr-11**Cooler Receipt Temp:** 3.2 °C**Locations and Accreditations****Collinsville**

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

Lab ID: 11040380-001

Client Sample ID: 4091-treated-4/7/11

Matrix: AQUEOUS

Collection Date: 04/07/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.80		1	04/11/2011 11:20	R147927
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		15	mg/L	1	04/11/2011 9:30	R147938
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		18	mg/L	1	04/08/2011 19:00	67198
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.029		Interference	mg/L	4	04/13/2011 10:40	R148078
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.029	S	0.115	mg/L	4	04/13/2011 10:40	R148078
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/11/2011 10:32	67194
Barium	NELAP	0.0050		0.356	mg/L	1	04/11/2011 10:32	67194
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/11/2011 10:32	67194
Chromium	NELAP	0.0100	J	0.0092	mg/L	1	04/11/2011 10:32	67194
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/11/2011 10:32	67194
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/11/2011 10:32	67194
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/10/2011 10:37	67193
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/11/2011 0:00	67203
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00013	mg/L	1	04/11/2011 11:18	67202
Acenaphthylene	NELAP	0.00010		0.00024	mg/L	1	04/11/2011 11:18	67202
Anthracene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Chrysene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Fluorene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Naphthalene	NELAP	0.00010		0.00629	mg/L	1	04/11/2011 11:18	67202
Phenanthrene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Pyrene	NELAP	0.00010		ND	mg/L	1	04/11/2011 11:18	67202
Total PNAs except Naphthalene		0.00013		0.00037	mg/L	1	04/11/2011 11:18	67202
Surr: 2-Fluorobiphenyl		34.3-105		80.8	%REC	1	04/11/2011 11:18	67202
Surr: 2-Fluorophenol		19.9-55.7		40.8	%REC	1	04/11/2011 11:18	67202
Surr: Nitrobenzene-d5		43-106		80.8	%REC	1	04/11/2011 11:18	67202
Surr: Phenol-d5		8.95-38.5		27.5	%REC	1	04/11/2011 11:18	67202
Surr: p-Terphenyl-d14		6.05-133		73.2	%REC	1	04/11/2011 11:18	67202
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		14.5	µg/L	1	04/08/2011 21:41	67232

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

Lab ID: 11040380-001

Client Sample ID: 4091-treated-4/7/11

Matrix: AQUEOUS

Collection Date: 04/07/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	04/08/2011 21:41	67232
Toluene	NELAP	5.0		6.4	µg/L	1	04/08/2011 21:41	67232
Xylenes, Total	NELAP	5.0	J	3.6	µg/L	1	04/08/2011 21:41	67232
Surr: 1,2-Dichloroethane-d4		74.7-129		100.6	%REC	1	04/08/2011 21:41	67232
Surr: 4-Bromofluorobenzene		86-119		106.4	%REC	1	04/08/2011 21:41	67232
Surr: Dibromofluoromethane		81.7-123		101.1	%REC	1	04/08/2011 21:41	67232
Surr: Toluene-d8		84.3-114		98.8	%REC	1	04/08/2011 21:41	67232



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11040380-001	4091-treated-4/7/11	Aqueous	5	04/07/2011 13:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11040380-001A	4091-treated-4/7/11	04/07/2011 13:00	4/8/2011 2:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/09/2011 0:47	04/11/2011 11:18
11040380-001B	4091-treated-4/7/11	04/07/2011 13:00	4/8/2011 2:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/11/2011 11:20
	Standard Methods 18th Ed. 2540 D			04/11/2011 9:30
	Standard Methods 18th Ed. 5210 B		04/08/2011 19:00	04/08/2011 19:00
11040380-001C	4091-treated-4/7/11	04/07/2011 13:00	4/8/2011 2:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/08/2011 18:02	04/11/2011 10:32
	SW-846 3020A, Metals by GFAA (Total)		04/08/2011 17:57	04/10/2011 10:37
	SW-846 7470A (Total)		04/08/2011 21:34	04/11/2011 0:00
11040380-001D	4091-treated-4/7/11	04/07/2011 13:00	4/8/2011 2:30:00 PM	
	SW-846 9012A			04/13/2011 10:40
	SW-846 9012A (Total)			04/13/2011 10:40
11040380-001E	4091-treated-4/7/11	04/07/2011 13:00	4/8/2011 2:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/08/2011 21:41

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R147927		SampType: LCS		Units						Date Analyzed
SampID: LCS-R147927										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lab pH	1.00		6.98	7.00	0	99.7	99.1	100.9	04/11/2011	

Batch R147927		SampType: DUP		Units				RPD Limit 10			
SampID: 11040380-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.79				7.800	0.13	04/11/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R147938		SampType: MBLK		Units mg/L						
SampID: MB-R147938										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		< 6						04/11/2011	

Batch R147938		SampType: LCS		Units mg/L						
SampID: LCS-R147938										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		99	100	0	99.0	85	115	04/11/2011	
Total Suspended Solids	6		98	100	0	98.0	85	115	04/11/2011	
Total Suspended Solids	6		100	100	0	100	85	115	04/11/2011	

Batch R147938		SampType: DUP		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11040380-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		16				15.00	6.45	04/11/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 67198		SampType: LCS		Units mg/L						
SampID: LCS-67198										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		201	198	0	101.5	84.6	115.4	04/08/2011

Batch 67198		SampType: DUP		Units mg/L				RPD Limit 40		Date Analyzed
SampID: 11040380-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		18				18.00	0.00	04/08/2011

SW-846 9012A (TOTAL)

Batch R148078		SampType: MBLK		Units mg/L						
SampID: MB-R148078										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		< 0.007						04/13/2011	
Cyanide	0.007		< 0.007						04/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

SW-846 9012A (TOTAL)

Batch R148078		SampType: MBLK		Units mg/L							
SampID: MB-R148078											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Batch R148078		SampType: LCS		Units mg/L							
SampID: LCS-R148078											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.007		0.028	0.025	0	112.5	85	115	04/13/2011	
Cyanide		0.007	S	0.028	0.025	0	112.5	90	110	04/13/2011	

Batch R148078		SampType: MS		Units mg/L						Date Analyzed
SampID: 11040380-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.032	S	0.147	0.025	0.1152	128.4	75	125	

Batch R148078		SampType: MSD	Units mg/L					RPD Limit 15		Date Analyzed
SampID: 11040380-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide		0.028		0.137	0.025	0.1152	88.1	0.1473	7.07	

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67194		SampType: MBLK		Units mg/L						
SampID: MB-67194										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/11/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/11/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/11/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/11/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/11/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/11/2011	

Batch 67194		SampType: LCS		Units mg/L							
SampID: LCS-67194											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.0250		1.97	2.00	0	98.7	85	115	04/11/2011	
Barium		0.0050		1.88	2.00	0	94.2	85	115	04/11/2011	
Cadmium		0.0020		0.0501	0.0500	0	100.2	85	115	04/11/2011	
Chromium		0.0100		0.204	0.200	0	101.8	85	115	04/11/2011	
Selenium		0.0500		1.89	2.00	0	94.6	85	115	04/11/2011	
Silver		0.0100		0.0541	0.0500	0	108.2	85	115	04/11/2011	

Batch 67194		SampType: MS		Units mg/L						
SampID: 11040380-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.97	2.00	0	98.4	75	125	04/11/2011
Barium		0.0050		2.11	2.00	0.3559	87.7	75	125	04/11/2011
Cadmium		0.0020		0.0469	0.0500	0	93.8	75	125	04/11/2011
Chromium		0.0100		0.191	0.200	0.009200	90.8	75	125	04/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67194		SampType: MS		Units mg/L							
SampID: 11040380-001CMS											Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed		
Selenium	0.0500		1.85	2.00	0	92.7	75	125	04/11/2011		
Silver	0.0100		0.0462	0.0500	0	92.4	75	125	04/11/2011		

Batch 67194		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11040380-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		1.96	2.00	0	98.2	1.968	0.25	04/11/2011
Barium		0.0050		2.14	2.00	0.3559	89.0	2.110	1.22	04/11/2011
Cadmium		0.0020		0.0472	0.0500	0	94.4	0.04690	0.64	04/11/2011
Chromium		0.0100		0.196	0.200	0.009200	93.6	0.1907	2.89	04/11/2011
Selenium		0.0500		1.89	2.00	0	94.6	1.854	2.08	04/11/2011
Silver		0.0100		0.0492	0.0500	0	98.4	0.04620	6.29	04/11/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67193		SampType: MBLK		Units mg/L						
SampID: MB-67193										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	04/10/2011

Batch 67193		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-67193										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0146	0.0150	0	97.4	80	120	04/10/2011

Batch 67193		SampType: MS		Units mg/L						
SampID: 11040380-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0122	0.0150	0	81.2	70	130	04/10/2011

Batch 67193		SampType: MSD	Units mg/L					RPD Limit 20		Date Analyzed
SampID: 11040380-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0128	0.0150	0	85.2	0.01218	4.80	04/10/2011

SW-846 7470A (TOTAL)

Batch 67203		SampType: MBLK		Units mg/L							
SampID: MB-67203											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	04/11/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

SW-846 7470A (TOTAL)

Batch 67203		SampType: LCS		Units mg/L						
SampID: LCS-67203										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00505	0.00500	0	101.0	85	115	04/11/2011	

Batch 67203		SampType: MS		Units mg/L						
SampID: 11040380-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00481	0.00500	0	96.2	75	125	04/11/2011

Batch 67203		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11040380-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00476	0.00500	0	95.2	0.004810	1.04	04/11/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	67202	SampType:	MBLK	Units mg/L						
SampID: MB-67202										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.00010		ND						04/11/2011
Acenaphthylene		0.00010		ND						04/11/2011
Anthracene		0.00010		ND						04/11/2011
Benzo(a)anthracene		0.00010		ND						04/11/2011
Benzo(a)pyrene		0.00010		ND						04/11/2011
Benzo(b)fluoranthene		0.00010		ND						04/11/2011
Benzo(g,h,i)perylene		0.00010		ND						04/11/2011
Benzo(k)fluoranthene		0.00010		ND						04/11/2011
Dibenzo(a,h)anthracene		0.00010		ND						04/11/2011
Fluoranthene		0.00010		ND						04/11/2011
Fluorene		0.00010		ND						04/11/2011
Indeno(1,2,3-cd)pyrene		0.00010		ND						04/11/2011
Naphthalene		0.00010		ND						04/11/2011
Phenanthrene		0.00010		ND						04/11/2011
Pyrene		0.00010		ND						04/11/2011
Surr: 2-Fluorobiphenyl				0.00452	0.00500		90.4	45.4	97.6	04/11/2011
Surr: 2-Fluorophenol				0.00602	0.0100		60.2	24.9	63.7	04/11/2011
Surr: Nitrobenzene-d5				0.00475	0.00500		95.0	45.2	108	04/11/2011
Surr: Phenol-d5				0.00388	0.0100		38.8	15.5	39.5	04/11/2011
Surr: p-Terphenyl-d14				0.00493	0.00500		98.6	45.5	118	04/11/2011

Batch 67202		SampType: LCS		Units mg/L					
SampID: LCS-67202									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Acenaphthene	0.00010		0.00451	0.00500	0	90.2	50.1	103	04/11/2011
Acenaphthylene	0.00010		0.00472	0.00500	0	94.4	53.3	122	04/11/2011
Anthracene	0.00010		0.00461	0.00500	0	92.2	57.4	110	04/11/2011
Benzo(a)anthracene	0.00010		0.00464	0.00500	0	92.8	56	102	04/11/2011
Benzo(a)pyrene	0.00010		0.00540	0.00500	0	108.0	55.4	125	04/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67202		SampType: LCS		Units mg/L						
SampID: LCS-67202										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzo(b)fluoranthene	0.00010		0.00540	0.00500	0	108.0	59.3	127	04/11/2011	
Benzo(g,h,i)perylene	0.00010		0.00530	0.00500	0	106.0	58.4	125	04/11/2011	
Benzo(k)fluoranthene	0.00010		0.00534	0.00500	0	106.8	61.5	125	04/11/2011	
Dibenzo(a,h)anthracene	0.00010		0.00526	0.00500	0	105.2	59.3	126	04/11/2011	
Fluoranthene	0.00010		0.00486	0.00500	0	97.2	60.1	117	04/11/2011	
Fluorene	0.00010		0.00469	0.00500	0	93.8	54.1	110	04/11/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00530	0.00500	0	106.0	58.1	123	04/11/2011	
Naphthalene	0.00010		0.00407	0.00500	0	81.4	36.3	97.1	04/11/2011	
Phenanthrene	0.00010		0.00485	0.00500	0	97.0	55.9	107	04/11/2011	
Pyrene	0.00010		0.00498	0.00500	0	99.6	61.4	116	04/11/2011	
Surr: 2-Fluorobiphenyl			0.00434	0.00500		86.8	45.4	97.6	04/11/2011	
Surr: 2-Fluorophenol			0.00528	0.0100		52.8	24.9	63.7	04/11/2011	
Surr: Nitrobenzene-d5			0.00476	0.00500		95.2	45.2	108	04/11/2011	
Surr: Phenol-d5			0.00360	0.0100		36.0	15.5	39.5	04/11/2011	
Surr: p-Terphenyl-d14			0.00502	0.00500		100.4	45.5	118	04/11/2011	

Batch 67202	SampType: LCSD	Units mg/L					RPD Limit 50			
SampID: LCSD-67202										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00488	0.00500	0	97.6	0.004510	7.88		04/11/2011
Acenaphthylene	0.00010		0.00472	0.00500	0	94.4	0.004720	0.00		04/11/2011
Anthracene	0.00010		0.00483	0.00500	0	96.6	0.004610	4.66		04/11/2011
Benzo(a)anthracene	0.00010		0.00468	0.00500	0	93.6	0.004640	0.86		04/11/2011
Benzo(a)pyrene	0.00010		0.00529	0.00500	0	105.8	0.005400	2.06		04/11/2011
Benzo(b)fluoranthene	0.00010		0.00535	0.00500	0	107.0	0.005400	0.93		04/11/2011
Benzo(g,h,i)perylene	0.00010		0.00531	0.00500	0	106.2	0.005300	0.19		04/11/2011
Benzo(k)fluoranthene	0.00010		0.00524	0.00500	0	104.8	0.005340	1.89		04/11/2011
Dibenzo(a,h)anthracene	0.00010		0.00531	0.00500	0	106.2	0.005260	0.95		04/11/2011
Fluoranthene	0.00010		0.00525	0.00500	0	105.0	0.004860	7.72		04/11/2011
Fluorene	0.00010		0.00499	0.00500	0	99.8	0.004690	6.20		04/11/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00537	0.00500	0	107.4	0.005300	1.31		04/11/2011
Naphthalene	0.00010		0.00443	0.00500	0	88.6	0.004070	8.47		04/11/2011
Phenanthrene	0.00010		0.00508	0.00500	0	101.6	0.004850	4.63		04/11/2011
Pyrene	0.00010		0.00532	0.00500	0	106.4	0.004980	6.60		04/11/2011
Surr: 2-Fluorobiphenyl			0.00400	0.00500		80.0				04/11/2011
Surr: 2-Fluorophenol			0.00598	0.0100		59.8				04/11/2011
Surr: Nitrobenzene-d5			0.00472	0.00500		94.4				04/11/2011
Surr: Phenol-d5			0.00370	0.0100		37.0				04/11/2011
Surr: p-Terphenyl-d14			0.00521	0.00500		104.2				04/11/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67232		SampType: MBLK		Units µg/L						
SampID: MBLK-R110408-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		ND						04/08/2011	
Ethylbenzene	5.0		ND						04/08/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67232 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-R110408-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Toluene	5.0		ND						04/08/2011
Xylenes, Total	5.0		ND						04/08/2011
Surr: 1,2-Dichloroethane-d4			50.3	50.0		100.5	74.7	129	04/08/2011
Surr: 4-Bromofluorobenzene			52.5	50.0		105.1	86	119	04/08/2011
Surr: Dibromofluoromethane			50.1	50.0		100.2	81.7	123	04/08/2011
Surr: Toluene-d8			48.9	50.0		97.9	84.3	114	04/08/2011

Batch 67232 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-R110408-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		46.9	50.0	0	93.9	45.09	4.02	04/08/2011
Ethylbenzene	5.0		46.7	50.0	0	93.4	45.90	1.73	04/08/2011
Toluene	5.0		47.5	50.0	0	94.9	46.60	1.83	04/08/2011
Xylenes, Total	5.0		145	150	0	96.9	140.4	3.52	04/08/2011
Surr: 1,2-Dichloroethane-d4			49.7	50.0		99.3			04/08/2011
Surr: 4-Bromofluorobenzene			52.4	50.0		104.8			04/08/2011
Surr: Dibromofluoromethane			50.9	50.0		101.8			04/08/2011
Surr: Toluene-d8			49.7	50.0		99.4			04/08/2011

Batch 67232 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110408-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		45.1	50.0	0	90.2	82.7	117	04/08/2011
Ethylbenzene	5.0		45.9	50.0	0	91.8	83	113	04/08/2011
Toluene	5.0		46.6	50.0	0	93.2	79.6	116	04/08/2011
Xylenes, Total	5.0		140	150	0	93.6	80.3	120	04/08/2011
Surr: 1,2-Dichloroethane-d4			49.9	50.0		99.9	74.7	129	04/08/2011
Surr: 4-Bromofluorobenzene			52.0	50.0		103.9	86	119	04/08/2011
Surr: Dibromofluoromethane			50.5	50.0		101.1	81.7	123	04/08/2011
Surr: Toluene-d8			49.8	50.0		99.7	84.3	114	04/08/2011

Batch 67232 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11040380-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		48.0	46.0	14.50	72.8	57.8	125	04/08/2011
Ethylbenzene	5.0		43.8	46.0	0	95.3	72.8	123	04/08/2011
Toluene	5.0		47.4	46.0	6.400	89.2	75.8	123	04/08/2011
Xylenes, Total	5.0		93.6	92.0	3.550	97.8	73	127	04/08/2011
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.2	74.7	129	04/08/2011
Surr: 4-Bromofluorobenzene			53.2	50.0		106.5	86	119	04/08/2011
Surr: Dibromofluoromethane			50.9	50.0		101.7	81.7	123	04/08/2011
Surr: Toluene-d8			49.3	50.0		98.5	84.3	114	04/08/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67232		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11040380-001EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		47.8	46.0	14.50	72.5	47.98	0.27	04/08/2011
Ethylbenzene		5.0		43.5	46.0	0	94.6	43.83	0.73	04/08/2011
Toluene		5.0		47.0	46.0	6.400	88.2	47.42	1.00	04/08/2011
Xylenes, Total		5.0		92.4	92.0	3.550	96.5	93.56	1.30	04/08/2011
Surr: 1,2-Dichloroethane-d4				50.5	50.0		101.0			04/08/2011
Surr: 4-Bromofluorobenzene				51.9	50.0		103.9			04/08/2011
Surr: Dibromofluoromethane				51.0	50.0		102.1			04/08/2011
Surr: Toluene-d8				49.0	50.0		98.0			04/08/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040380

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Apr-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

08-Apr-11

Timothy W. Mathis

Reviewed by:

On:

08-Apr-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 10002**

11040380

Pres ✓ PM
4-8-11

Project Name: Champaign MGP		Project Mgr.: Pete Szazama	
Project Number: 624-0000-01200		Cost Code: 0002	
Sampler(s): J. Ruddy / J. Barton			
Laboratory	Name: Teklab		
Location: Collinsville, IL			
Sample Number and (depth)	Date	Time	
4091-treated - 417/11	4/7/11	1300	
Matrix			
Soil			
Water			
Air			
Wipes			
Other *			
Total Number of Containers		7	
Analyses by Method Name and Number			
BTEX (8/10)		X	
SVOC (8/20 Sms)		X	
PCRA Metals		X	
Total Ammonia		X	
TSS		X	
BODs		X	
PH		X	
Laboratory Temperature upon Receipt		3.2	
Comments (Field PID)		Phosphate Yr 4-8-11	
Lab ID #'s		11040380 001	

1 DAY

Teklab, Inc.
Courier Pick Up

Samples Iced: ☒ Yes ☐ No	Lab Directives: Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other Fax and/or Mail Results to: P. Szazama & L. Hoosier Send Invoice to: QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other Special Guidelines: Reporting Limits: * Special:
Preservatives (ONLY for Water Samples) ☒ Volatile Organics Hydrochloric acid (HCl) ☐ VOC Soil (5035) Sodium Bisulfate/Methanol ☐ TPH Hydrochloric acid and/or Sulfuric acid ☒ Metals Nitric acid (HNO ₃) ☒ Cyanide Sodium hydroxide (NaOH) ☐ Other (Specify)	

Shipping: Carrier / Airbill No.	Relinquished by: Signature Date Time	Received by: Signature Date Time
	 4/7/11 1315	 4/8/11 10:00
	 4/8/11 1430	

April 18, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11040502

Dear Pete Sazama:

TEKLAB, INC received 3 samples on 4/12/2011 2:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

This reporting package includes the following:

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Sample Summary	14
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Quality Control Results	17
Receiving Check List	41
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |

Client: PSC Industrial Outsourcing, LP**Work Order:** 11040502**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 18-Apr-11**Cooler Receipt Temp:** 2.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

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Lenexa, KS 66214

Phone (913) 541-1998

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-001

Client Sample ID: P8-E1.2-F (20 ft)

Matrix: SOLID

Collection Date: 04/11/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		10.9	%	1	04/12/2011 15:00	R148037
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.1	%	1	04/12/2011 15:00	R148008
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.629		< 0.629	mg/Kg-dry	1	04/13/2011 10:40	R148078
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.63	J	0.39	mg/Kg-dry	1	04/13/2011 10:40	R148078
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		7.36	mg/Kg-dry	1	04/13/2011 12:40	67302
Barium	NELAP	0.48		18.1	mg/Kg-dry	1	04/13/2011 12:40	67302
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	04/13/2011 12:40	67302
Chromium	NELAP	0.96		17.7	mg/Kg-dry	1	04/13/2011 12:40	67302
Lead	NELAP	3.85		12.1	mg/Kg-dry	1	04/13/2011 12:40	67302
Silver	NELAP	0.53		0.78	mg/Kg-dry	1	04/13/2011 12:40	67302
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.588		< 0.588	mg/Kg-dry	1	04/13/2011 13:04	67301
SW-846 7471A								
Mercury	NELAP	0.011		< 0.011	mg/Kg-dry	1	04/13/2011 9:37	67279
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.56	#	12.3	mg/Kg-dry	1	04/13/2011 12:54	67304
Kerosene	NELAP	5.56		ND	mg/Kg-dry	1	04/13/2011 12:54	67304
Mineral Spirits	NELAP	5.56		ND	mg/Kg-dry	1	04/13/2011 12:54	67304
Motor Oil	NELAP	5.56		ND	mg/Kg-dry	1	04/13/2011 12:54	67304
Surr: n-Tetracontane		50.6-140		80.7	%REC	1	04/13/2011 12:54	67304
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		0.038	mg/Kg-dry	1	04/13/2011 13:02	67303
Acenaphthylene	NELAP	0.004		0.131	mg/Kg-dry	1	04/13/2011 13:02	67303
Anthracene	NELAP	0.004	S	0.017	mg/Kg-dry	1	04/13/2011 13:02	67303
Benzo(a)anthracene	NELAP	0.004		0.015	mg/Kg-dry	1	04/13/2011 13:02	67303
Benzo(a)pyrene	NELAP	0.004		0.011	mg/Kg-dry	1	04/13/2011 13:02	67303
Benzo(b)fluoranthene	NELAP	0.004		0.009	mg/Kg-dry	1	04/13/2011 13:02	67303
Benzo(g,h,i)perylene	NELAP	0.004		0.007	mg/Kg-dry	1	04/13/2011 13:02	67303
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	04/13/2011 13:02	67303
Bis(2-ethylhexyl)phthalate	NELAP	0.076		ND	mg/Kg-dry	1	04/13/2011 13:02	67303
Chrysene	NELAP	0.004		0.012	mg/Kg-dry	1	04/13/2011 13:02	67303
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	04/13/2011 13:02	67303
Fluoranthene	NELAP	0.004		0.024	mg/Kg-dry	1	04/13/2011 13:02	67303
Fluorene	NELAP	0.004	S	0.038	mg/Kg-dry	1	04/13/2011 13:02	67303
Indeno(1,2,3-cd)pyrene	NELAP	0.004	J	0.004	mg/Kg-dry	1	04/13/2011 13:02	67303
Naphthalene	NELAP	0.019	S	2.30	mg/Kg-dry	5	04/13/2011 14:38	67303
Phenanthrene	NELAP	0.004	SR	0.070	mg/Kg-dry	1	04/13/2011 13:02	67303
Pyrene	NELAP	0.004		0.038	mg/Kg-dry	1	04/13/2011 13:02	67303
Surr: 2-Fluorobiphenyl		10-131		70.9	%REC	1	04/13/2011 13:02	67303
Surr: Nitrobenzene-d5		10-132		83.4	%REC	1	04/13/2011 13:02	67303
Surr: p-Terphenyl-d14		30.6-131		87.6	%REC	1	04/13/2011 13:02	67303

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-001

Client Sample ID: P8-E1.2-F (20 ft)

Matrix: SOLID

Collection Date: 04/11/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
<i>Matrix spike and RPD did not recover within control limits because of sample composition.</i>								
<i>Marginal Exceedance for Acenaphthene, LCS is verified per NELAC Appendix D 1.1.2</i>								
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
1,2-Dichlorobenzene	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
1,3-Dichlorobenzene	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
1,4-Dichlorobenzene	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,4,5-Trichlorophenol	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,4,6-Trichlorophenol	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,4-Dichlorophenol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,4-Dimethylphenol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,4-Dinitrophenol	NELAP	1.13		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,4-Dinitrotoluene	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2,6-Dinitrotoluene	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2-Chloronaphthalene	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2-Chlorophenol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2-Methoxy-4-methylphenol		0.734		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2-Methylnaphthalene	NELAP	0.395	J	0.31	mg/Kg-dry	1	04/13/2011 9:42	67277
2-Nitroaniline	NELAP	1.13		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
2-Nitrophenol	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
3,3'-Dichlorobenzidine	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
3-Nitroaniline	NELAP	1.13		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4,6-Dinitro-2-methylphenol	NELAP	1.13		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4-Bromophenyl phenyl ether	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4-Chloro-3-methylphenol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4-Chloroaniline	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4-Chlorophenyl phenyl ether	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4-Nitroaniline	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
4-Nitrophenol	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Aniline	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Azobenzene		0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Benzidine	NELAP	1.19		see note	mg/Kg-dry	1	04/13/2011 9:42	67277
Benzoic acid	NELAP	1.69		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Benzyl alcohol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Bis(2-chloroethoxy)methane	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Bis(2-chloroethyl)ether	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Bis(2-chloroisopropyl)ether	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Butyl benzyl phthalate	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Carbazole		0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Dibenzofuran	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Diethyl phthalate	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Dimethyl phthalate	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Di-n-butyl phthalate	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Di-n-octyl phthalate	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Hexachlorobenzene	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Hexachlorobutadiene	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Hexachlorocyclopentadiene	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-001

Client Sample ID: P8-E1.2-F (20 ft)

Matrix: SOLID

Collection Date: 04/11/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Hexachloroethane	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Isophorone	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
m,p-Cresol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Nitrobenzene	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
N-Nitrosodimethylamine	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
N-Nitroso-di-n-propylamine	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
N-Nitrosodiphenylamine	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
o-Cresol	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Pentachlorophenol	NELAP	2.26		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Phenol	NELAP	0.395		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Pyridine	NELAP	0.565		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
1,2-Diphenylhydrazine		0.949		ND	mg/Kg-dry	1	04/13/2011 9:42	67277
Surr: 2,4,6-Tribromophenol		32.7-130		90.3	%REC	1	04/13/2011 9:42	67277
Surr: 2-Fluorobiphenyl		34.1-116		82.8	%REC	1	04/13/2011 9:42	67277
Surr: 2-Fluorophenol		30.5-99		72.6	%REC	1	04/13/2011 9:42	67277
Surr: Nitrobenzene-d5		34.1-101		67.5	%REC	1	04/13/2011 9:42	67277
Surr: Phenol-d5		34.9-110		74.5	%REC	1	04/13/2011 9:42	67277
Surr: p-Terphenyl-d14		41.7-124		92.5	%REC	1	04/13/2011 9:42	67277
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1,1-Trichloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1,2,2-Tetrachloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1,2-Trichloro-1,2,2-trifluoroethane		104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1,2-Trichloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1-Dichloro-2-propanone		1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1-Dichloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1-Dichloroethene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,1-Dichloropropene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2,3-Trichlorobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2,3-Trichloropropane	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2,3-Trimethylbenzene		104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2,4-Trichlorobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2,4-Trimethylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2-Dibromo-3-chloropropane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2-Dibromoethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2-Dichlorobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2-Dichloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,2-Dichloropropane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,3,5-Trimethylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,3-Dichlorobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,3-Dichloropropane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1,4-Dichlorobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
1-Chlorobutane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
2,2-Dichloropropane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
2-Butanone	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
2-Chlorotoluene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-001

Client Sample ID: P8-E1.2-F (20 ft)

Matrix: SOLID

Collection Date: 04/11/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2-Hexanone	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
2-Nitropropane	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
4-Chlorotoluene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
4-Methyl-2-pentanone	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Acetone	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Acetonitrile	NELAP	2070		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Acrolein	NELAP	2070		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Acrylonitrile	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Allyl chloride	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Benzene	NELAP	20.7		1340	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Bromobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Bromochloromethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Bromodichloromethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Bromoform	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Bromomethane	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Carbon disulfide	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Carbon tetrachloride	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Chlorobenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Chloroethane	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Chloroform	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Chloromethane	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
cis-1,2-Dichloroethene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
cis-1,3-Dichloropropene	NELAP	82.9		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Cyclohexanone		2070		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Dibromochloromethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Dibromomethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Dichlorodifluoromethane	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Ethyl acetate	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Ethyl ether	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Ethyl methacrylate	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Ethylbenzene	NELAP	104		181	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Gasoline Range Organics (OA-1)		20700		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Heptane		414		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Hexachlorobutadiene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Hexachloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Iodomethane	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Isopropylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
m,p-Xylenes	NELAP	104		120	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Methacrylonitrile	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Methyl Methacrylate	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Methyl tert-butyl ether	NELAP	41.4		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Methylacrylate		207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Methylene chloride	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Naphthalene	NELAP	207	J	83	µg/Kg-dry	12.5	04/13/2011 14:04	67327
n-Butylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
n-Hexane		414		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Nitrobenzene	NELAP	2070		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-001

Client Sample ID: P8-E1.2-F (20 ft)

Matrix: SOLID

Collection Date: 04/11/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
n-Propylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
o-Xylene	NELAP	104		324	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Pentachloroethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
p-Isopropyltoluene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Propionitrile	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
sec-Butylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Styrene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
tert-Butylbenzene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Tetrachloroethene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Tetrahydrofuran	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Toluene	NELAP	104		421	µg/Kg-dry	12.5	04/13/2011 14:04	67327
trans-1,2-Dichloroethene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
trans-1,3-Dichloropropene	NELAP	82.9		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
trans-1,4-Dichloro-2-butene	NELAP	207		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Trichloroethene	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Trichlorofluoromethane	NELAP	104		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Vinyl acetate	NELAP	1040		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Vinyl chloride	NELAP	41.4		ND	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Xylenes, Total	NELAP	104		443	µg/Kg-dry	12.5	04/13/2011 14:04	67327
Surr: 1,2-Dichloroethane-d4		72.2-131		108.3	%REC	12.5	04/13/2011 14:04	67327
Surr: 4-Bromofluorobenzene		82.1-116		106.7	%REC	12.5	04/13/2011 14:04	67327
Surr: Dibromofluoromethane		77.7-120		103.0	%REC	12.5	04/13/2011 14:04	67327
Surr: Toluene-d8		86-116		91.5	%REC	12.5	04/13/2011 14:04	67327

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-002

Client Sample ID: 30984-treated-4/11/11

Matrix: AQUEOUS

Collection Date: 04/11/2011 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.43		1	04/12/2011 18:05	R148027
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		15	mg/L	1	04/13/2011 9:40	R148051
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		19	mg/L	1	04/13/2011 13:40	67345
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.039		Interference	mg/L	5	04/13/2011 10:40	R148078
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035		0.214	mg/L	5	04/13/2011 10:40	R148078
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/13/2011 10:27	67300
Barium	NELAP	0.0050		0.462	mg/L	1	04/13/2011 10:27	67300
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/13/2011 10:27	67300
Chromium	NELAP	0.0100	J	0.0051	mg/L	1	04/13/2011 10:27	67300
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/13/2011 10:27	67300
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/13/2011 10:27	67300
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0018	mg/L	1	04/13/2011 11:52	67299
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/13/2011 9:37	67310
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00018	mg/L	1	04/14/2011 21:20	67363
Acenaphthylene	NELAP	0.00010		0.00025	mg/L	1	04/14/2011 21:20	67363
Anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Chrysene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Fluorene	NELAP	0.00010		0.00010	mg/L	1	04/14/2011 21:20	67363
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Naphthalene	NELAP	0.00010		0.0124	mg/L	1	04/14/2011 21:20	67363
Phenanthrene	NELAP	0.00010		0.00013	mg/L	1	04/14/2011 21:20	67363
Pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:20	67363
Total PNAs except Naphthalene		0.00013		0.00066	mg/L	1	04/14/2011 21:20	67363
Surr: 2-Fluorobiphenyl		34.3-105		68.0	%REC	1	04/14/2011 21:20	67363
Surr: 2-Fluorophenol		19.9-55.7		37.3	%REC	1	04/14/2011 21:20	67363
Surr: Nitrobenzene-d5		43-106		87.6	%REC	1	04/14/2011 21:20	67363
Surr: Phenol-d5		8.95-38.5		23.6	%REC	1	04/14/2011 21:20	67363
Surr: p-Terphenyl-d14		6.05-133		66.8	%REC	1	04/14/2011 21:20	67363
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		39.0	µg/L	1	04/12/2011 21:08	67332
Ethylbenzene	NELAP	5.0	J	2.0	µg/L	1	04/12/2011 21:08	67332

Client: PSC Industrial Outsourcing, LP**Work Order:** 11040502**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 18-Apr-11**Lab ID:** 11040502-002**Client Sample ID:** 30984-treated-4/11/11**Matrix:** AQUEOUS**Collection Date:** 04/11/2011 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		15.0	µg/L	1	04/12/2011 21:08	67332
Xylenes, Total	NELAP	5.0		6.8	µg/L	1	04/12/2011 21:08	67332
Surr: 1,2-Dichloroethane-d4		74.7-129		99.8	%REC	1	04/12/2011 21:08	67332
Surr: 4-Bromofluorobenzene		86-119		103.9	%REC	1	04/12/2011 21:08	67332
Surr: Dibromofluoromethane		81.7-123		105.3	%REC	1	04/12/2011 21:08	67332
Surr: Toluene-d8		84.3-114		99.5	%REC	1	04/12/2011 21:08	67332

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-003

Client Sample ID: 4419-treated-4/12/11

Matrix: AQUEOUS

Collection Date: 04/12/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.39		1	04/12/2011 18:05	R148027
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		6	mg/L	1	04/13/2011 9:40	R148051
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		18	mg/L	1	04/13/2011 13:40	67345
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.041		Interference	mg/L	5	04/13/2011 10:40	R148078
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.041		0.213	mg/L	5	04/13/2011 10:40	R148078
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/13/2011 10:43	67300
Barium	NELAP	0.0050		0.424	mg/L	1	04/13/2011 10:43	67300
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/13/2011 10:43	67300
Chromium	NELAP	0.0100	J	0.0074	mg/L	1	04/13/2011 10:43	67300
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/13/2011 10:43	67300
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/13/2011 10:43	67300
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/13/2011 10:54	67299
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/13/2011 9:37	67310
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00015	mg/L	1	04/14/2011 21:57	67363
Acenaphthylene	NELAP	0.00010		0.00021	mg/L	1	04/14/2011 21:57	67363
Anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Chrysene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Fluorene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Naphthalene	NELAP	0.00010		0.00964	mg/L	1	04/14/2011 21:57	67363
Phenanthrene	NELAP	0.00010		0.00011	mg/L	1	04/14/2011 21:57	67363
Pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 21:57	67363
Total PNAs except Naphthalene		0.00013		0.00047	mg/L	1	04/14/2011 21:57	67363
Surr: 2-Fluorobiphenyl		34.3-105		71.2	%REC	1	04/14/2011 21:57	67363
Surr: 2-Fluorophenol		19.9-55.7		43.8	%REC	1	04/14/2011 21:57	67363
Surr: Nitrobenzene-d5		43-106		93.6	%REC	1	04/14/2011 21:57	67363
Surr: Phenol-d5		8.95-38.5		27.8	%REC	1	04/14/2011 21:57	67363
Surr: p-Terphenyl-d14		6.05-133		68.2	%REC	1	04/14/2011 21:57	67363
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		27.4	µg/L	1	04/12/2011 21:37	67332
Ethylbenzene	NELAP	5.0	J	1.5	µg/L	1	04/12/2011 21:37	67332

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab ID: 11040502-003

Client Sample ID: 4419-treated-4/12/11

Matrix: AQUEOUS

Collection Date: 04/12/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		10.5	µg/L	1	04/12/2011 21:37	67332
Xylenes, Total	NELAP	5.0	J	4.8	µg/L	1	04/12/2011 21:37	67332
Surr: 1,2-Dichloroethane-d4		74.7-129		99.7	%REC	1	04/12/2011 21:37	67332
Surr: 4-Bromofluorobenzene		86-119		103.7	%REC	1	04/12/2011 21:37	67332
Surr: Dibromofluoromethane		81.7-123		103.8	%REC	1	04/12/2011 21:37	67332
Surr: Toluene-d8		84.3-114		97.1	%REC	1	04/12/2011 21:37	67332



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11040502-001	P8-E1.2-F (20 ft)	Solid	5	04/11/2011 13:50
11040502-002	30984-treated-4/11/11	Aqueous	5	04/11/2011 15:15
11040502-003	4419-treated-4/12/11	Aqueous	5	04/12/2011 9:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11040502-001A	P8-E1.2-F (20 ft)	04/11/2011 13:50	4/12/2011 2:15:00 PM	
	SW-846 3050B, 6010B, Metals by ICP		04/12/2011 18:10	04/13/2011 12:40
	SW-846 3050B, Metals by GFAA		04/12/2011 18:09	04/13/2011 13:04
	SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID		04/12/2011 19:03	04/13/2011 12:54
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/12/2011 19:01	04/13/2011 13:02
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/12/2011 19:01	04/13/2011 14:38
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		04/12/2011 19:04	04/13/2011 9:42
	SW-846 7471A		04/13/2011 8:36	04/13/2011 9:37
11040502-001B	P8-E1.2-F (20 ft)	04/11/2011 13:50	4/12/2011 2:15:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			04/12/2011 15:00
	Standard Methods 18th Ed. 2540 G			04/12/2011 15:00
	SW-846 9012A			04/13/2011 10:40
	SW-846 9012A (Total)			04/13/2011 10:40
11040502-001E	P8-E1.2-F (20 ft)	04/11/2011 13:50	4/12/2011 2:15:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			04/13/2011 14:04
11040502-002A	30984-treated-4/11/11	04/11/2011 15:15	4/12/2011 2:15:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/14/2011 10:43	04/14/2011 21:20
11040502-002B	30984-treated-4/11/11	04/11/2011 15:15	4/12/2011 2:15:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/12/2011 18:05
	Standard Methods 18th Ed. 2540 D			04/13/2011 9:40
	Standard Methods 18th Ed. 5210 B		04/13/2011 13:40	04/13/2011 13:40
11040502-002C	30984-treated-4/11/11	04/11/2011 15:15	4/12/2011 2:15:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/12/2011 17:16	04/13/2011 10:27
	SW-846 3020A, Metals by GFAA (Total)		04/12/2011 17:14	04/13/2011 11:52
	SW-846 7470A (Total)		04/13/2011 8:40	04/13/2011 9:37
11040502-002D	30984-treated-4/11/11	04/11/2011 15:15	4/12/2011 2:15:00 PM	
	SW-846 9012A			04/13/2011 10:40
	SW-846 9012A (Total)			04/13/2011 10:40
11040502-002E	30984-treated-4/11/11	04/11/2011 15:15	4/12/2011 2:15:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/12/2011 21:08
11040502-003A	4419-treated-4/12/11	04/12/2011 9:00	4/12/2011 2:15:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/14/2011 10:43	04/14/2011 21:57
11040502-003B	4419-treated-4/12/11	04/12/2011 9:00	4/12/2011 2:15:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/12/2011 18:05
	Standard Methods 18th Ed. 2540 D			04/13/2011 9:40
	Standard Methods 18th Ed. 5210 B		04/13/2011 13:40	04/13/2011 13:40

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11040502-003C	4419-treated-4/12/11	04/12/2011 9:00	4/12/2011 2:15:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/12/2011 17:16	04/13/2011 10:43
	SW-846 3020A, Metals by GFAA (Total)		04/12/2011 17:14	04/13/2011 10:54
	SW-846 7470A (Total)		04/13/2011 8:40	04/13/2011 9:37
11040502-003D	4419-treated-4/12/11	04/12/2011 9:00	4/12/2011 2:15:00 PM	
	SW-846 9012A			04/13/2011 10:40
	SW-846 9012A (Total)			04/13/2011 10:40
11040502-003E	4419-treated-4/12/11	04/12/2011 9:00	4/12/2011 2:15:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/12/2011 21:37

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148027		SampType: LCS		Units							
SampID: LCS-R148027											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.9	04/12/2011	

Batch R148027		SampType: DUP		Units				RPD Limit 10		
SampID: 11040502-002BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH		1.00		8.46				8.430	0.36	04/12/2011

STANDARD METHODS 18TH ED. 2540 D

Batch R148051		SampType: MBLK		Units mg/L							
SampID: MB-R148051											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						04/13/2011	

Batch R148051		SampType: LCS		Units mg/L						
SampID: LCS-R148051										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Suspended Solids		6		97	100	0	97.0	85	115	04/13/2011
Total Suspended Solids		6		97	100	0	97.0	85	115	04/13/2011
Total Suspended Solids		6		95	100	0	95.0	85	115	04/13/2011

Batch R148051		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11040502-003BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		6				6.000	0.00	04/13/2011

STANDARD METHODS 18TH ED. 2540 G

Batch R148008		SampType: LCS		Units %							
SampID: LCS-R148008											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Solids		0.1		1.0	1.0	0	100	90	110	04/12/2011	

Batch R148008		SampType: LCSQC		Units %							
SampID: LCSQC-R148008											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Solids		0.1		1.0	1.0	0	100	90	110	04/12/2011	

Batch R148008		SampType: DUP		Units %				RPD Limit 15		
SampID: 11040502-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Solids		0.1		88.9				89.09	0.26	04/12/2011

STANDARD METHODS 18TH ED. 5210 B

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

STANDARD METHODS 18TH ED. 5210 B

Batch 67345		SampType: LCS		Units mg/L						
SampID: LCS-67345										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand	5		208	198	0	105.1	84.6	115.4	04/13/2011	

Batch 67345		SampType: DUP		Units mg/L				RPD Limit 40		
SampID: 11040502-002B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		19				19.00	0.00	04/13/2011

SW-846 9012A (TOTAL)

Batch R148078		SampType: MBLK		Units mg/L								
SampID: MB-R148078												Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.01		< 0.01							04/13/2011	
Cyanide		0.01		< 0.01							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.007		< 0.007							04/13/2011	
Cyanide		0.01		< 0.01							04/13/2011	

Batch R148078		SampType: LCS		Units mg/L						
SampID: LCS-R148078										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.008		0.028	0.025	0	113.8	85	115	04/13/2011	
Cyanide	0.01		0.03	0.02	0	111.2	85	115	04/13/2011	
Cyanide	0.007		0.027	0.025	0	107.5	85	115	04/13/2011	
Cyanide	0.007		0.027	0.025	0	108.9	90	110	04/13/2011	
Cyanide	0.01		0.03	0.02	0	113.0	85	115	04/13/2011	
Cyanide	0.007	S	0.028	0.025	0	112.5	90	110	04/13/2011	
Cyanide	0.007	S	0.028	0.025	0	113.0	90	110	04/13/2011	
Cyanide	0.008	S	0.030	0.025	0	119.6	90	110	04/13/2011	
Cyanide	0.007		0.026	0.025	0	105.4	90	110	04/13/2011	
Cyanide	0.007	S	0.013	0.025	0	53.1	90	110	04/13/2011	
Cyanide	0.007		0.028	0.025	0	112.5	85	115	04/13/2011	
Cyanide	0.008	S	0.030	0.025	0	119.6	85	115	04/13/2011	

Batch R148078		SampType: MS		Units mg/Kg-dry						
SampID: 11040502-001BMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.56		1.85	1.39	0.3919	105.2	75	125	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 9012A (TOTAL)

Batch R148078		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		
SampID: 11040502-001BMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.56		1.62	1.40	0.3919	87.6	1.853	13.39	04/13/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67300		SampType: MBLK		Units mg/L						
SampID: MB-67300										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/13/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/13/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/13/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/13/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/13/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/13/2011	

Batch 67300		SampType: LCS		Units mg/L						
SampID: LCS-67300										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		2.00	2.00	0	100	85	115	04/13/2011	
Barium	0.0050		1.97	2.00	0	98.6	85	115	04/13/2011	
Cadmium	0.0020		0.0504	0.0500	0	100.8	85	115	04/13/2011	
Chromium	0.0100		0.213	0.200	0	106.4	85	115	04/13/2011	
Selenium	0.0500		2.01	2.00	0	100.4	85	115	04/13/2011	
Silver	0.0100		0.0558	0.0500	0	111.6	85	115	04/13/2011	

Batch 67300		SampType: MS		Units mg/L					
SampID: 11040502-002CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.96	2.00	0	98.2	75	125	04/13/2011
Barium	0.0050		2.23	2.00	0.4622	88.3	75	125	04/13/2011
Cadmium	0.0020		0.0473	0.0500	0	94.6	75	125	04/13/2011
Chromium	0.0100		0.206	0.200	0.005100	100.3	75	125	04/13/2011
Selenium	0.0500		1.96	2.00	0	98.2	75	125	04/13/2011
Silver	0.0100		0.0518	0.0500	0	103.6	75	125	04/13/2011

Batch 67300		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11040502-002CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.01	2.00	0	100.4	1.963	2.27	04/13/2011
Barium		0.0050		2.27	2.00	0.4622	90.4	2.229	1.82	04/13/2011
Cadmium		0.0020		0.0472	0.0500	0	94.4	0.04730	0.21	04/13/2011
Chromium		0.0100		0.208	0.200	0.005100	101.6	0.2057	1.26	04/13/2011
Selenium		0.0500		2.01	2.00	0	100.5	1.965	2.21	04/13/2011
Silver		0.0100		0.0507	0.0500	0	101.4	0.05180	2.15	04/13/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67299		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MB-67299											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100		04/13/2011

Batch 67299		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-67299											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		0.0152	0.0150	0	101.6	80	120		04/13/2011

Batch 67299		SampType: MS		Units mg/L							Date Analyzed
SampID: 11040502-003CMS											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		0.0160	0.0150	0	106.9	70	130		04/13/2011

Batch 67299		SampType: MSD		Units mg/L		RPD Limit 20					Date Analyzed
SampID: 11040502-003CMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	7421	0.0020		0.0142	0.0150	0	94.7	0.01603	12.11		04/13/2011

SW-846 3050B, 6010B, METALS BY ICP

Batch 67302		SampType: MBLK		Units mg/Kg-dry							Date Analyzed
SampID: MB-67302											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		2.50		< 2.50	2.50	0	0	-100	100		04/13/2011
Barium		0.50		< 0.50	0.50	0	0	-100	100		04/13/2011
Cadmium		0.20		< 0.20	0.20	0	0	-100	100		04/13/2011
Chromium		1.00		< 1.00	1.00	0	0	-100	100		04/13/2011
Lead		4.00		< 4.00	4.00	0	0	-100	100		04/13/2011
Silver		0.55		< 0.55	0.55	0	0	-100	100		04/13/2011

Batch 67302		SampType: LCS		Units mg/Kg-dry							Date Analyzed
SampID: LCS-67302											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		2.50		205	200	0	102.4	85	115		04/13/2011
Barium		0.50		201	200	0	100.5	85	115		04/13/2011
Cadmium		0.20		5.11	5.00	0	102.2	85	115		04/13/2011
Chromium		1.00		22.5	20.0	0	112.4	85	115		04/13/2011
Lead		4.00		53.8	50.0	0	107.6	85	115		04/13/2011
Silver		0.55		5.31	5.00	0	106.2	85	115		04/13/2011

Batch 67302		SampType: MS		Units mg/Kg-dry							Date Analyzed
SampID: 11040502-001AMS											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		2.40		202	192	7.356	101.2	75	125		04/13/2011
Barium		0.48		190	192	18.10	89.2	75	125		04/13/2011
Cadmium		0.19		4.50	4.81	0	93.6	75	125		04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3050B, 6010B, METALS BY ICP

Batch 67302		SampType: MS		Units mg/Kg-dry						
SampID: 11040502-001AMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chromium	0.96		38.7	19.2	17.66	109.2	75	125	04/13/2011	
Lead	3.85		57.7	48.1	12.08	94.9	75	125	04/13/2011	
Silver	0.53		5.38	4.81	0.7788	95.8	75	125	04/13/2011	

Batch 67302		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 11040502-001AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic	2.40		201	192	7.356	100.7	202.0	0.52	04/13/2011	
Barium	0.48		189	192	18.10	88.7	189.7	0.51	04/13/2011	
Cadmium	0.19		4.44	4.81	0	92.4	4.500	1.29	04/13/2011	
Chromium	0.96		38.9	19.2	17.66	110.6	38.66	0.67	04/13/2011	
Lead	3.85		56.4	48.1	12.08	92.3	57.68	2.19	04/13/2011	
Silver	0.53		5.20	4.81	0.7788	92.0	5.385	3.45	04/13/2011	

SW-846 3050B, METALS BY GFAA

Batch 67301		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-67301										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600		< 0.600	0.600	0	0	-100	100	04/13/2011

Batch 67301		SampType: LCS		Units mg/Kg-dry							
SampID: LCS-67301											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Selenium	7740	0.600		2.86	3.00	0	95.3	80	120	04/13/2011	

Batch 67301		SampType: MS		Units mg/Kg-dry						
SampID: 11040502-001AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.588		2.46	2.94	0	83.5	70	130	04/13/2011

Batch 67301		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 11040502-001AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium	7740	0.588		2.68	2.94	0	91.0	2.456	8.58	04/13/2011

SW-846 7470A (TOTAL)

Batch 67310		SampType: MBLK		Units mg/L						
SampID: MB-67310										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 7470A (TOTAL)

Batch 67310		SampType: LCS		Units mg/L						
SampID: LCS-67310										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00509	0.00500	0	101.8	85	115	04/13/2011

Batch 67310		SampType: MS		Units mg/L							
SampID: 11040502-002CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00480	0.00500	0	96.0	75	125	04/13/2011	

Batch 67310		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11040502-002CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Mercury		0.00020		0.00487	0.00500	0	97.4	0.004800	1.45	04/13/2011

SW-846 7471A

Batch 67279		SampType: MBLK		Units mg/Kg						
SampID: MB-67279										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		< 0.010	0.010	0	0	-100	100	04/13/2011

Batch 67279		SampType: LCS		Units mg/Kg						
SampID: LCS-67279										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.010		0.240	0.250	0	96.0	85	115	04/13/2011

Batch 67279		SampType: MS		Units mg/Kg-dry						
SampID: 11040502-001AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.011		0.335	0.274	0	122.4	75	125	04/13/2011

Batch 67279		SampType: MSD	Units mg/Kg-dry					RPD Limit 15		
SampID: 11040502-001AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.011		0.326	0.274	0	119.2	0.3351	2.65	04/13/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67307		SampType: MBLK	Units mg/L							
SampID: MB-67307										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						04/13/2011	
Acenaphthylene	0.00010		ND						04/13/2011	
Anthracene	0.00010		ND						04/13/2011	
Benzo(a)anthracene	0.00010		ND						04/13/2011	
Benzo(a)pyrene	0.00010		ND						04/13/2011	
Benzo(b)fluoranthene	0.00010		ND						04/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67307		SampType: MBLK		Units mg/L						
SampID: MB-67307										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzo(g,h,i)perylene		0.00010		ND						04/13/2011
Benzo(k)fluoranthene		0.00010		ND						04/13/2011
Chrysene		0.00010		ND						04/13/2011
Dibenzo(a,h)anthracene		0.00010		ND						04/13/2011
Fluoranthene		0.00010		ND						04/13/2011
Fluorene		0.00010		ND						04/13/2011
Indeno(1,2,3-cd)pyrene		0.00010		ND						04/13/2011
Naphthalene		0.00010		ND						04/13/2011
Phenanthrene		0.00010		ND						04/13/2011
Pyrene		0.00010		ND						04/13/2011
Surr: 2-Fluorobiphenyl				0.00396	0.00500		79.2	45.4	97.6	04/13/2011
Surr: 2-Fluorophenol				0.00593	0.0100		59.3	24.9	63.7	04/13/2011
Surr: Nitrobenzene-d5				0.00487	0.00500		97.4	45.2	108	04/13/2011
Surr: Phenol-d5				0.00347	0.0100		34.7	15.5	39.5	04/13/2011
Surr: p-Terphenyl-d14				0.00456	0.00500		91.2	45.5	118	04/13/2011

Batch 67307		SampType: LCS		Units mg/L						
SampID: LCS-67307										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010	S	0.00523	0.00500	0	104.6	50.1	103	04/13/2011	
Acenaphthylene	0.00010		0.00528	0.00500	0	105.6	53.3	122	04/13/2011	
Anthracene	0.00010		0.00512	0.00500	0	102.4	57.4	110	04/13/2011	
Benzo(a)anthracene	0.00010	S	0.00512	0.00500	0	102.4	56	102	04/13/2011	
Benzo(a)pyrene	0.00010		0.00582	0.00500	0	116.4	55.4	125	04/13/2011	
Benzo(b)fluoranthene	0.00010		0.00572	0.00500	0	114.4	59.3	127	04/13/2011	
Benzo(g,h,i)perylene	0.00010		0.00606	0.00500	0	121.2	58.4	125	04/13/2011	
Benzo(k)fluoranthene	0.00010		0.00545	0.00500	0	109.0	61.5	125	04/13/2011	
Chrysene	0.00010		0.00534	0.00500	0	106.8	58.7	118	04/13/2011	
Dibenzo(a,h)anthracene	0.00010		0.00602	0.00500	0	120.4	59.3	126	04/13/2011	
Fluoranthene	0.00010		0.00550	0.00500	0	110.0	60.1	117	04/13/2011	
Fluorene	0.00010		0.00528	0.00500	0	105.6	54.1	110	04/13/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00598	0.00500	0	119.6	58.1	123	04/13/2011	
Naphthalene	0.00010	S	0.00487	0.00500	0	97.4	36.3	97.1	04/13/2011	
Phenanthrene	0.00010		0.00517	0.00500	0	103.4	55.9	107	04/13/2011	
Pyrene	0.00010		0.00550	0.00500	0	110.0	61.4	116	04/13/2011	
Surr: 2-Fluorobiphenyl			0.00351	0.00500		70.2	45.4	97.6	04/13/2011	
Surr: 2-Fluorophenol			0.00521	0.0100		52.1	24.9	63.7	04/13/2011	
Surr: Nitrobenzene-d5			0.00449	0.00500		89.8	45.2	108	04/13/2011	
Surr: Phenol-d5			0.00326	0.0100		32.6	15.5	39.5	04/13/2011	
Surr: p-Terphenyl-d14			0.00408	0.00500		81.6	45.5	118	04/13/2011	

Batch 67307		SampType: LCSD		Units mg/L				RPD Limit 50			
SampID: LCSD-67307											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene		0.00010	S	0.00536	0.00500	0	107.2	0.005230	2.46	04/13/2011	
Acenaphthylene		0.00010		0.00537	0.00500	0	107.4	0.005280	1.69	04/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67307		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67307										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Anthracene	0.00010	S	0.00523	0.00500	0	104.6	0.005120	2.13	04/13/2011	
Benzo(a)anthracene	0.00010		0.00524	0.00500	0	104.8	0.005120	2.32	04/13/2011	
Benzo(a)pyrene	0.00010		0.00602	0.00500	0	120.4	0.005820	3.38	04/13/2011	
Benzo(b)fluoranthene	0.00010		0.00585	0.00500	0	117.0	0.005720	2.25	04/13/2011	
Benzo(g,h,i)perylene	0.00010		0.00622	0.00500	0	124.4	0.006060	2.61	04/13/2011	
Benzo(k)fluoranthene	0.00010		0.00534	0.00500	0	106.8	0.005450	2.04	04/13/2011	
Chrysene	0.00010		0.00555	0.00500	0	111.0	0.005340	3.86	04/13/2011	
Dibenzo(a,h)anthracene	0.00010		0.00623	0.00500	0	124.6	0.006020	3.43	04/13/2011	
Fluoranthene	0.00010		0.00554	0.00500	0	110.8	0.005500	0.72	04/13/2011	
Fluorene	0.00010	S	0.00543	0.00500	0	108.6	0.005280	2.80	04/13/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00620	0.00500	0	124.0	0.005980	3.61	04/13/2011	
Naphthalene	0.00010		0.00503	0.00500	0	100.6	0.004870	3.23	04/13/2011	
Phenanthrene	0.00010		0.00538	0.00500	0	107.6	0.005170	3.98	04/13/2011	
Pyrene	0.00010		0.00559	0.00500	0	111.8	0.005500	1.62	04/13/2011	
Surr: 2-Fluorobiphenyl			0.00353	0.00500		70.6			04/13/2011	
Surr: 2-Fluorophenol			0.00550	0.0100		55.0			04/13/2011	
Surr: Nitrobenzene-d5			0.00456	0.00500		91.2			04/13/2011	
Surr: Phenol-d5			0.00340	0.0100		34.0			04/13/2011	
Surr: p-Terphenyl-d14		0.00415	0.00500		83.0			04/13/2011		

Batch 67363		SampType: MBLK		Units mg/L						
SampID: MB-67363										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						04/14/2011	
Acenaphthylene	0.00010		ND						04/14/2011	
Anthracene	0.00010		ND						04/14/2011	
Benzo(a)anthracene	0.00010		ND						04/14/2011	
Benzo(a)pyrene	0.00010		ND						04/14/2011	
Benzo(b)fluoranthene	0.00010		ND						04/14/2011	
Benzo(g,h,i)perylene	0.00010		ND						04/14/2011	
Benzo(k)fluoranthene	0.00010		ND						04/14/2011	
Chrysene	0.00010		ND						04/14/2011	
Dibenzo(a,h)anthracene	0.00010		ND						04/14/2011	
Fluoranthene	0.00010		ND						04/14/2011	
Fluorene	0.00010		ND						04/14/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/14/2011	
Naphthalene	0.00010		ND						04/14/2011	
Phenanthrene	0.00010		ND						04/14/2011	
Pyrene	0.00010		ND						04/14/2011	
Surr: 2-Fluorobiphenyl			0.00335	0.00500		67.0	45.4	97.6	04/14/2011	
Surr: 2-Fluorophenol			0.00396	0.0100		39.6	24.9	63.7	04/14/2011	
Surr: Nitrobenzene-d5			0.00428	0.00500		85.6	45.2	108	04/14/2011	
Surr: Phenol-d5			0.00258	0.0100		25.8	15.5	39.5	04/14/2011	
Surr: p-Terphenyl-d14			0.00312	0.00500		62.4	45.5	118	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67363		SampType: LCS		Units mg/L						
SampID: LCS-67363										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00388	0.00500	0	77.6	50.1	103	04/14/2011	
Acenaphthylene	0.00010		0.00390	0.00500	0	78.0	53.3	122	04/14/2011	
Anthracene	0.00010		0.00364	0.00500	0	72.8	57.4	110	04/14/2011	
Benzo(a)anthracene	0.00010		0.00357	0.00500	0	71.4	56	102	04/14/2011	
Benzo(a)pyrene	0.00010		0.00377	0.00500	0	75.4	55.4	125	04/14/2011	
Benzo(b)fluoranthene	0.00010		0.00375	0.00500	0	75.0	59.3	127	04/14/2011	
Benzo(g,h,i)perylene	0.00010		0.00369	0.00500	0	73.8	58.4	125	04/14/2011	
Benzo(k)fluoranthene	0.00010		0.00359	0.00500	0	71.8	61.5	125	04/14/2011	
Chrysene	0.00010		0.00371	0.00500	0	74.2	58.7	118	04/14/2011	
Dibenzo(a,h)anthracene	0.00010		0.00377	0.00500	0	75.4	59.3	126	04/14/2011	
Fluoranthene	0.00010		0.00394	0.00500	0	78.8	60.1	117	04/14/2011	
Fluorene	0.00010		0.00386	0.00500	0	77.2	54.1	110	04/14/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00373	0.00500	0	74.6	58.1	123	04/14/2011	
Naphthalene	0.00010		0.00374	0.00500	0	74.8	36.3	97.1	04/14/2011	
Phenanthrene	0.00010		0.00390	0.00500	0	78.0	55.9	107	04/14/2011	
Pyrene	0.00010		0.00398	0.00500	0	79.6	61.4	116	04/14/2011	
Surr: 2-Fluorobiphenyl			0.00331	0.00500		66.2	45.4	97.6	04/14/2011	
Surr: 2-Fluorophenol			0.00363	0.0100		36.3	24.9	63.7	04/14/2011	
Surr: Nitrobenzene-d5			0.00410	0.00500		82.0	45.2	108	04/14/2011	
Surr: Phenol-d5			0.00251	0.0100		25.1	15.5	39.5	04/14/2011	
Surr: p-Terphenyl-d14			0.00269	0.00500		53.8	45.5	118	04/14/2011	

Batch 67363		SampType: LCSD		Units mg/L			RPD Limit 50		
SampID: LCSD-67363									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00402	0.00500	0	80.4	0.003880	3.54	04/14/2011
Acenaphthylene	0.00010		0.00406	0.00500	0	81.2	0.003900	4.02	04/14/2011
Anthracene	0.00010		0.00380	0.00500	0	76.0	0.003640	4.30	04/14/2011
Benzo(a)anthracene	0.00010		0.00408	0.00500	0	81.6	0.003570	13.33	04/14/2011
Benzo(a)pyrene	0.00010		0.00449	0.00500	0	89.8	0.003770	17.43	04/14/2011
Benzo(b)fluoranthene	0.00010		0.00443	0.00500	0	88.6	0.003750	16.63	04/14/2011
Benzo(g,h,i)perylene	0.00010		0.00454	0.00500	0	90.8	0.003690	20.66	04/14/2011
Benzo(k)fluoranthene	0.00010		0.00442	0.00500	0	88.4	0.003590	20.72	04/14/2011
Chrysene	0.00010		0.00426	0.00500	0	85.2	0.003710	13.80	04/14/2011
Dibenzo(a,h)anthracene	0.00010		0.00457	0.00500	0	91.4	0.003770	19.18	04/14/2011
Fluoranthene	0.00010		0.00430	0.00500	0	86.0	0.003940	8.74	04/14/2011
Fluorene	0.00010		0.00407	0.00500	0	81.4	0.003860	5.30	04/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00454	0.00500	0	90.8	0.003730	19.59	04/14/2011
Naphthalene	0.00010		0.00385	0.00500	0	77.0	0.003740	2.90	04/14/2011
Phenanthrene	0.00010		0.00408	0.00500	0	81.6	0.003900	4.51	04/14/2011
Pyrene	0.00010		0.00429	0.00500	0	85.8	0.003980	7.50	04/14/2011
Surr: 2-Fluorobiphenyl			0.00394	0.00500		78.8			04/14/2011
Surr: 2-Fluorophenol			0.00428	0.0100		42.8			04/14/2011
Surr: Nitrobenzene-d5			0.00438	0.00500		87.6			04/14/2011
Surr: Phenol-d5			0.00289	0.0100		28.9			04/14/2011
Surr: p-Terphenyl-d14			0.00353	0.00500		70.6			04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID

Batch 67304		SampType: MBLK		Units mg/Kg							
SampID: MB-67304										Date	
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed		
Diesel	5.00		ND						04/13/2011		
Kerosene	5.00		ND						04/13/2011		
Mineral Spirits	5.00		ND						04/13/2011		
Motor Oil	5.00		ND						04/13/2011		
Surr: n-Tetracontane			0.51	0.67		76.5	54.8	128	04/13/2011		

Batch 67304		SampType: LCS		Units mg/Kg						
SampID: LCS-67304										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Diesel	5.00		13.8	16.7	0	82.8	40.4	121	04/13/2011	
Surr: n-Tetracontane			0.53	0.67		78.6	54.8	128	04/13/2011	

Batch 67304		SampType: MS		Units mg/Kg-dry						
SampID: 11040502-001AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Diesel	5.64		24.7	18.8	12.32	66.0	20.3	167	04/13/2011	
Surr: n-Tetracontane			0.59	0.76		77.8	53.9	153	04/13/2011	

Batch 67304		SampType: MSD		Units mg/Kg-dry				RPD Limit 34			
SampID: 11040502-001AMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Diesel		5.66		24.1	18.9	12.32	62.2	24.75	2.73	04/13/2011	
Surr: n-Tetracontane				0.60	0.76		79.6			04/13/2011	

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67277		SampType: MBLK		Units %REC							Date Analyzed
SampID: MB-67277											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Surr: 2-Fluorobiphenyl			0.656	0.835		78.6	46.3	106			

Batch 67277		SampType: LCS		Units %REC							
SampID: LCS-67277											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Surr: 2-Fluorobiphenyl				0.575	0.835		68.9	46.3	106	04/12/2011	

Batch 67277		SampType: LCS		Units %REC							
SampID: LCSDRO-67277											Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Surr: 2-Fluorobiphenyl			0.653	0.835		78.2	46.3	106	04/12/2011		

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67303		SampType: MBLK		Units mg/Kg						
SampID: MB-67303										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.003		ND						04/13/2011	
Acenaphthylene	0.003		ND						04/13/2011	
Anthracene	0.003		ND						04/13/2011	
Benzo(a)anthracene	0.003		ND						04/13/2011	
Benzo(a)pyrene	0.003		ND						04/13/2011	
Benzo(b)fluoranthene	0.003		ND						04/13/2011	
Benzo(g,h,i)perylene	0.003		ND						04/13/2011	
Benzo(k)fluoranthene	0.003		ND						04/13/2011	
Bis(2-ethylhexyl)phthalate	0.067		ND						04/13/2011	
Chrysene	0.003		ND						04/13/2011	
Dibenzo(a,h)anthracene	0.003		ND						04/13/2011	
Fluoranthene	0.003		ND						04/13/2011	
Fluorene	0.003		ND						04/13/2011	
Indeno(1,2,3-cd)pyrene	0.003		ND						04/13/2011	
Naphthalene	0.003		ND						04/13/2011	
Phenanthrene	0.003		ND						04/13/2011	
Pyrene	0.003		ND						04/13/2011	
Surr: 2-Fluorobiphenyl			0.136	0.167		81.2	45.7	89.2	04/13/2011	
Surr: Nitrobenzene-d5			0.152	0.167		91.0	31.4	100	04/13/2011	
Surr: p-Terphenyl-d14			0.149	0.167		89.4	53.3	124	04/13/2011	

Batch 67303		SampType: LCS		Units mg/Kg							
SampID: LCS-67303											Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Acenaphthene	0.003	S	0.195	0.167	0	117.0	56.3	115	04/13/2011		
Acenaphthylene	0.003		0.193	0.167	0	115.6	60.3	143	04/13/2011		
Anthracene	0.003		0.180	0.167	0	108.0	52.1	109	04/13/2011		
Benzo(a)anthracene	0.003		0.185	0.167	0	110.8	52.8	112	04/13/2011		
Benzo(a)pyrene	0.003		0.203	0.167	0	121.6	40.8	127	04/13/2011		
Benzo(b)fluoranthene	0.003		0.215	0.167	0	128.5	50.1	150	04/13/2011		
Benzo(g,h,i)perylene	0.003		0.226	0.167	0	135.5	52.8	145	04/13/2011		
Benzo(k)fluoranthene	0.003		0.211	0.167	0	126.1	52	153	04/13/2011		
Bis(2-ethylhexyl)phthalate	0.067		0.250	0.167	0	149.9	50	150	04/13/2011		
Chrysene	0.003		0.197	0.167	0	118.0	60.8	128	04/13/2011		
Dibenzo(a,h)anthracene	0.003		0.229	0.167	0	137.1	54.9	150	04/13/2011		
Fluoranthene	0.003		0.201	0.167	0	120.4	58.7	125	04/13/2011		
Fluorene	0.003		0.192	0.167	0	115.2	57.8	125	04/13/2011		
Indeno(1,2,3-cd)pyrene	0.003		0.227	0.167	0	135.7	52	147	04/13/2011		
Naphthalene	0.003		0.179	0.167	0	107.2	54.8	113	04/13/2011		
Phenanthrene	0.003		0.192	0.167	0	115.2	60.4	121	04/13/2011		
Pyrene	0.003		0.203	0.167	0	121.8	57.9	129	04/13/2011		
Surr: 2-Fluorobiphenyl			0.133	0.167		79.6	45.7	89.2	04/13/2011		
Surr: Nitrobenzene-d5			0.145	0.167		86.6	31.4	100	04/13/2011		
Surr: p-Terphenyl-d14			0.150	0.167		89.8	53.3	124	04/13/2011		

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67303		SampType: MS		Units mg/Kg-dry						
SampID: 11040502-001AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.004		0.233	0.186	0.03839	104.8	36	135	04/13/2011	
Acenaphthylene	0.004		0.274	0.186	0.1306	77.5	17.2	167	04/13/2011	
Anthracene	0.004		0.204	0.186	0.01731	100.8	39.3	124	04/13/2011	
Benzo(a)anthracene	0.004		0.206	0.186	0.01506	102.9	10	183	04/13/2011	
Benzo(a)pyrene	0.004		0.221	0.186	0.01129	113.3	10	204	04/13/2011	
Benzo(b)fluoranthene	0.004		0.225	0.186	0.009410	116.1	10.6	178	04/13/2011	
Benzo(g,h,i)perylene	0.004		0.234	0.186	0.007152	122.5	10	168	04/13/2011	
Benzo(k)fluoranthene	0.004		0.193	0.186	0	103.8	27.6	181	04/13/2011	
Bis(2-ethylhexyl)phthalate	0.074		0.253	0.186	0	136.5	50	150	04/13/2011	
Chrysene	0.004		0.208	0.186	0.01242	105.7	10	176	04/13/2011	
Dibenzo(a,h)anthracene	0.004		0.224	0.186	0	120.8	12.2	156	04/13/2011	
Fluoranthene	0.004		0.239	0.186	0.02371	116.0	10	227	04/13/2011	
Fluorene	0.004		0.227	0.186	0.03802	101.9	35.2	148	04/13/2011	
Indeno(1,2,3-cd)pyrene	0.004		0.227	0.186	0.003764	120.5	10	164	04/13/2011	
Naphthalene	0.019	S	1.34	0.186	2.300	-518.5	14.7	128	04/13/2011	
Phenanthrene	0.004		0.305	0.186	0.07001	126.7	32.8	143	04/13/2011	
Pyrene	0.004		0.270	0.186	0.03764	125.2	10	180	04/13/2011	
Surr: 2-Fluorobiphenyl			0.121	0.186		65.3	10	131	04/13/2011	
Surr: Nitrobenzene-d5			0.140	0.186		75.2	10	132	04/13/2011	
Surr: p-Terphenyl-d14			0.148	0.186		80.0	30.6	131	04/13/2011	

Batch 67303	SampType: MSD	Units mg/Kg-dry						RPD Limit 49.7		
SampID: 11040502-001AMSD										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.004	S	0.288	0.187	0.03839	133.4	0.2329	21.17	04/13/2011	
Acenaphthylene	0.004		0.319	0.187	0.1306	100.5	0.2743	14.94	04/13/2011	
Anthracene	0.004		0.250	0.187	0.01731	124.1	0.2044	19.90	04/13/2011	
Benzo(a)anthracene	0.004		0.230	0.187	0.01506	114.7	0.2058	10.97	04/13/2011	
Benzo(a)pyrene	0.004		0.246	0.187	0.01129	125.5	0.2214	10.60	04/13/2011	
Benzo(b)fluoranthene	0.004		0.242	0.187	0.009410	124.3	0.2247	7.43	04/13/2011	
Benzo(g,h,i)perylene	0.004		0.241	0.187	0.007152	124.7	0.2343	2.62	04/13/2011	
Benzo(k)fluoranthene	0.004		0.196	0.187	0	105.0	0.1925	2.04	04/13/2011	
Bis(2-ethylhexyl)phthalate	0.075		0.244	0.187	0	130.5	0.2532	3.59	04/13/2011	
Chrysene	0.004	S	0.232	0.187	0.01242	117.3	0.2084	10.69	04/13/2011	
Dibenzo(a,h)anthracene	0.004		0.222	0.187	0	118.8	0.2240	0.77	04/13/2011	
Fluoranthene	0.004		0.288	0.187	0.02371	141.2	0.2388	18.68	04/13/2011	
Fluorene	0.004		0.324	0.187	0.03802	152.9	0.2269	35.30	04/13/2011	
Indeno(1,2,3-cd)pyrene	0.004		0.233	0.187	0.003764	122.3	0.2273	2.35	04/13/2011	
Naphthalene	0.019		S	1.89	0.187	2.300	-217.0	1.338	34.37	04/13/2011
Phenanthrene	0.004		SR	0.478	0.187	0.07001	218.1	0.3050	44.20	04/13/2011
Pyrene	0.004			0.354	0.187	0.03764	168.9	0.2699	26.89	04/13/2011
Surr: 2-Fluorobiphenyl				0.123	0.187		65.9			04/13/2011
Surr: Nitrobenzene-d5			0.142	0.187		75.8			04/13/2011	
Surr: p-Terphenyl-d14			0.144	0.187		77.0			04/13/2011	

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67277	SampType: MBLK	Units mg/Kg								
SampID: MB-67277										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
1,2,4-Trichlorobenzene	0.500		ND							04/13/2011
1,2-Dichlorobenzene	0.500		ND							04/13/2011
1,3-Dichlorobenzene	0.500		ND							04/13/2011
1,4-Dichlorobenzene	0.500		ND							04/13/2011
2,4,5-Trichlorophenol	0.350		ND							04/13/2011
2,4,6-Trichlorophenol	0.350		ND							04/13/2011
2,4-Dichlorophenol	0.500		ND							04/13/2011
2,4-Dimethylphenol	0.500		ND							04/13/2011
2,4-Dinitrophenol	1.00		ND							04/13/2011
2,4-Dinitrotoluene	0.350		ND							04/13/2011
2,6-Dinitrotoluene	0.350		ND							04/13/2011
2-Chloronaphthalene	0.350		ND							04/13/2011
2-Chlorophenol	0.500		ND							04/13/2011
2-Methoxy-4-methylphenol	0.650		ND							04/13/2011
2-Methylnaphthalene	0.350		ND							04/13/2011
2-Nitroaniline	1.00		ND							04/13/2011
2-Nitrophenol	0.350		ND							04/13/2011
3,3´-Dichlorobenzidine	0.350		ND							04/13/2011
3-Nitroaniline	1.00		ND							04/13/2011
4,6-Dinitro-2-methylphenol	1.00		ND							04/13/2011
4-Bromophenyl phenyl ether	0.350		ND							04/13/2011
4-Chloro-3-methylphenol	0.500		ND							04/13/2011
4-Chloroaniline	0.500		ND							04/13/2011
4-Chlorophenyl phenyl ether	0.350		ND							04/13/2011
4-Nitroaniline	0.500		ND							04/13/2011
4-Nitrophenol	0.350		ND							04/13/2011
Aniline	0.500		ND							04/13/2011
Azobenzene	0.350		ND							04/13/2011
Benzidine	1.06		ND							04/13/2011
Benzoic acid	1.50		ND							04/13/2011
Benzyl alcohol	0.500		ND							04/13/2011
Bis(2-chloroethoxy)methane	0.350		ND							04/13/2011
Bis(2-chloroethyl)ether	0.500		ND							04/13/2011
Bis(2-chloroisopropyl)ether	0.350		ND							04/13/2011
Butyl benzyl phthalate	0.350		ND							04/13/2011
Carbazole	0.500		ND							04/13/2011
Dibenzofuran	0.350		ND							04/13/2011
Diethyl phthalate	0.500		ND							04/13/2011
Dimethyl phthalate	0.350		ND							04/13/2011
Di-n-butyl phthalate	0.350		ND							04/13/2011
Di-n-octyl phthalate	0.350		ND							04/13/2011
Hexachlorobenzene	0.350		ND							04/13/2011
Hexachlorobutadiene	0.500		ND							04/13/2011
Hexachlorocyclopentadiene	0.350		ND							04/13/2011
Hexachloroethane	0.500		ND							04/13/2011
Isophorone	0.350		ND							04/13/2011
m,p-Cresol	0.500		ND							04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67277		SampType: MBLK		Units mg/Kg						
SampID: MB-67277										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrobenzene		0.500		ND						04/13/2011
N-Nitrosodimethylamine		0.500		ND						04/13/2011
N-Nitroso-di-n-propylamine		0.500		ND						04/13/2011
N-Nitrosodiphenylamine		0.500		ND						04/13/2011
o-Cresol		0.500		ND						04/13/2011
Pentachlorophenol		2.00		ND						04/13/2011
Phenol		0.350		ND						04/13/2011
Pyridine		0.500		ND						04/13/2011
1,2-Diphenylhydrazine		0.840		ND						04/13/2011
Surr: 2,4,6-Tribromophenol				1.82	1.67		109.3	52.1	113	04/13/2011
Surr: 2-Fluorobiphenyl				0.834	0.835		99.9	46.3	106	04/13/2011
Surr: 2-Fluorophenol				1.31	1.67		78.2	50.6	89	04/13/2011
Surr: Nitrobenzene-d5				0.632	0.835		75.7	42.4	99.2	04/12/2011
Surr: Nitrobenzene-d5				0.681	0.835		81.6	42.4	99.2	04/13/2011
Surr: Phenol-d5				1.33	1.67		79.5	55.9	98.5	04/13/2011
Surr: p-Terphenyl-d14				0.826	0.835		98.9	45.5	115	04/12/2011
Surr: p-Terphenyl-d14				0.935	0.835		112.0	45.5	115	04/13/2011

Batch 67277		SampType: LCS		Units mg/Kg						
SampID: LCS-67277										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,2,4-Trichlorobenzene	0.500		1.46	1.67	0	87.4	43.9	92.2	04/13/2011	
1,4-Dichlorobenzene	0.500		1.14	1.67	0	68.3	43.8	84.1	04/13/2011	
2,4,5-Trichlorophenol	0.350		2.95	3.33	0	88.7	38.6	123	04/13/2011	
2,4,6-Trichlorophenol	0.350		2.98	3.33	0	89.4	35.9	123	04/13/2011	
2,4-Dimethylphenol	0.500		2.33	3.33	0	69.8	38.3	88	04/13/2011	
2,4-Dinitrophenol	1.00		2.34	3.33	0	70.4	1.88	162	04/13/2011	
2,4-Dinitrotoluene	0.350		1.44	1.67	0	86.0	48.6	102	04/13/2011	
2-Chlorophenol	0.500		2.28	3.33	0	68.4	46.6	84	04/13/2011	
4-Chloro-3-methylphenol	0.500		2.75	3.33	0	82.5	51.5	94.9	04/13/2011	
4-Nitrophenol	0.350		2.37	3.33	0	71.0	53.2	104	04/13/2011	
Diethyl phthalate	0.500		2.62	3.33	0	78.6	51.7	106	04/13/2011	
Dimethyl phthalate	0.350		2.54	3.33	0	76.3	58.8	104	04/13/2011	
Di-n-butyl phthalate	0.350		1.29	1.67	0	77.1	54.3	105	04/13/2011	
Hexachlorobenzene	0.350		3.13	3.33	0	94.0	55.9	106	04/13/2011	
Hexachlorobutadiene	0.500		2.92	3.33	0	87.6	35.7	100	04/13/2011	
Hexachloroethane	0.500		2.12	3.33	0	63.7	38.9	89.9	04/13/2011	
m,p-Cresol	0.500		1.16	1.67	0	69.5	37.6	93.7	04/13/2011	
Nitrobenzene	0.500		2.37	3.33	0	71.2	51.8	104	04/13/2011	
N-Nitroso-di-n-propylamine	0.500		1.14	1.67	0	68.3	49.1	94.5	04/13/2011	
o-Cresol	0.500		1.19	1.67	0	71.0	43	101	04/13/2011	
Pentachlorophenol	2.00		2.00	3.33	0	60.2	42.2	102	04/13/2011	
Phenol	0.350		2.28	3.33	0	68.6	41.6	81.3	04/13/2011	
Pyridine	0.500		1.91	3.33	0	57.3	3.61	74.3	04/13/2011	
Surr: 2,4,6-Tribromophenol			1.67	1.67		100	52.1	113	04/13/2011	
Surr: 2-Fluorobiphenyl			0.708	0.835		84.8	46.3	106	04/13/2011	
Surr: 2-Fluorophenol			1.16	1.67		69.6	50.6	89	04/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67277 **SampType:** LCS **Units mg/Kg**
SampID: LCS-67277

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Nitrobenzene-d5			0.825	0.835		98.8	42.4	99.2	04/12/2011
Surr: Nitrobenzene-d5			0.576	0.835		69.0	42.4	99.2	04/13/2011
Surr: Phenol-d5			1.21	1.67		72.4	55.9	98.5	04/13/2011
Surr: p-Terphenyl-d14			0.810	0.835		97.0	45.5	115	04/12/2011
Surr: p-Terphenyl-d14			0.777	0.835		93.0	45.5	115	04/13/2011

Batch 67277 **SampType:** LCS **Units %REC**
SampID: LCSDRO-67277

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Nitrobenzene-d5			0.569	0.835		68.2	42.4	99.2	04/12/2011
Surr: p-Terphenyl-d14			0.776	0.835		92.9	45.5	115	04/12/2011

Batch 67277 **SampType:** MS **Units mg/Kg-dry**
SampID: 11040502-001AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,2,4-Trichlorobenzene	0.562		1.61	1.88	0	85.6	35.9	102	04/13/2011
1,4-Dichlorobenzene	0.562		1.28	1.88	0	68.3	29.8	95.5	04/13/2011
2,4,5-Trichlorophenol	0.393		3.29	3.74	0	87.9	38.6	123	04/13/2011
2,4,6-Trichlorophenol	0.393		3.48	3.74	0	92.9	35.9	123	04/13/2011
2,4-Dimethylphenol	0.562		2.76	3.74	0	73.7	38.3	88	04/13/2011
2,4-Dinitrophenol	1.12		1.84	3.74	0	49.2	1.88	162	04/13/2011
2,4-Dinitrotoluene	0.393		1.55	1.88	0	82.7	37.5	107	04/13/2011
2-Chlorophenol	0.562		2.61	3.74	0	69.8	22.6	108	04/13/2011
4-Chloro-3-methylphenol	0.562		3.05	3.74	0	81.5	19.3	131	04/13/2011
4-Nitrophenol	0.393		2.62	3.74	0	69.9	27.6	123	04/13/2011
Diethyl phthalate	0.562		2.81	3.74	0	75.2	51.7	106	04/13/2011
Dimethyl phthalate	0.393		2.80	3.74	0	74.8	58.8	104	04/13/2011
Di-n-butyl phthalate	0.393		1.46	1.88	0	77.8	54.3	105	04/13/2011
Hexachlorobenzene	0.393		3.41	3.74	0	91.1	55.9	106	04/13/2011
Hexachlorobutadiene	0.562		3.28	3.74	0	87.6	35.7	100	04/13/2011
Hexachloroethane	0.562		2.44	3.74	0	65.3	38.9	89.9	04/13/2011
m,p-Cresol	0.562		1.42	1.88	0	75.8	37.6	93.7	04/13/2011
Nitrobenzene	0.562		2.62	3.74	0	70.1	51.8	104	04/13/2011
N-Nitroso-di-n-propylamine	0.562		1.27	1.88	0	67.5	45.5	99.1	04/13/2011
o-Cresol	0.562		1.41	1.88	0	75.2	43	101	04/13/2011
Pentachlorophenol	2.25		2.27	3.74	0	60.6	18.5	113	04/13/2011
Phenol	0.393		2.69	3.74	0	71.8	20.8	110	04/13/2011
Pyridine	0.562		2.21	3.74	0	59.1	3.61	74.3	04/13/2011
Surr: 2,4,6-Tribromophenol			1.81	1.88		96.5	32.7	130	04/13/2011
Surr: 2-Fluorobiphenyl			0.760	0.938		81.0	34.1	116	04/13/2011
Surr: 2-Fluorophenol			1.30	1.88		69.0	30.5	99	04/13/2011
Surr: Nitrobenzene-d5			0.607	0.938		64.7	34.1	101	04/13/2011
Surr: Phenol-d5			1.36	1.88		72.6	34.9	110	04/13/2011
Surr: p-Terphenyl-d14			0.888	0.938		94.6	41.7	124	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67277		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		
SampID: 11040502-001AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,2,4-Trichlorobenzene	0.557		1.66	1.86	0	89.4	1.607	3.44	04/13/2011	
1,4-Dichlorobenzene	0.557		1.33	1.86	0	71.5	1.283	3.61	04/13/2011	
2,4,5-Trichlorophenol	0.390		3.14	3.71	0	84.7	3.290	4.66	04/13/2011	
2,4,6-Trichlorophenol	0.390		3.22	3.71	0	86.7	3.476	7.76	04/13/2011	
2,4-Dimethylphenol	0.557		2.63	3.71	0	71.0	2.757	4.66	04/13/2011	
2,4-Dinitrophenol	1.11		1.76	3.71	0	47.5	1.840	4.29	04/13/2011	
2,4-Dinitrotoluene	0.390		1.63	1.86	0	87.8	1.553	5.06	04/13/2011	
2-Chlorophenol	0.557		2.69	3.71	0	72.6	2.611	3.08	04/13/2011	
4-Chloro-3-methylphenol	0.557		2.92	3.71	0	78.8	3.050	4.29	04/13/2011	
4-Nitrophenol	0.390		2.61	3.71	0	70.4	2.618	0.33	04/13/2011	
Diethyl phthalate	0.557		3.02	3.71	0	81.5	2.813	7.12	04/13/2011	
Dimethyl phthalate	0.390		2.85	3.71	0	77.0	2.800	1.93	04/13/2011	
Di-n-butyl phthalate	0.390		1.48	1.86	0	79.6	1.459	1.42	04/13/2011	
Hexachlorobenzene	0.390		3.59	3.71	0	96.7	3.411	5.04	04/13/2011	
Hexachlorobutadiene	0.557		3.23	3.71	0	87.2	3.278	1.40	04/13/2011	
Hexachloroethane	0.557		2.46	3.71	0	66.5	2.443	0.87	04/13/2011	
m,p-Cresol	0.557		1.37	1.86	0	73.7	1.422	3.65	04/13/2011	
Nitrobenzene	0.557		2.67	3.71	0	72.1	2.622	1.92	04/13/2011	
N-Nitroso-di-n-propylamine	0.557		1.30	1.86	0	69.8	1.267	2.43	04/13/2011	
o-Cresol	0.557		1.40	1.86	0	75.2	1.411	0.91	04/13/2011	
Pentachlorophenol	2.23	J	2.1	3.71	0	57.7	2.270	0.00	04/13/2011	
Phenol	0.390		2.64	3.71	0	71.2	2.689	1.88	04/13/2011	
Pyridine	0.557		2.31	3.71	0	62.4	2.212	4.53	04/13/2011	
Surr: 2,4,6-Tribromophenol			1.73	1.86		92.9			04/13/2011	
Surr: 2-Fluorobiphenyl			0.696	0.930		74.9			04/13/2011	
Surr: 2-Fluorophenol			1.24	1.86		66.9			04/13/2011	
Surr: Nitrobenzene-d5			0.574	0.930		61.7			04/13/2011	
Surr: Phenol-d5			1.34	1.86		72.2			04/13/2011	
Surr: p-Terphenyl-d14			0.881	0.930		94.8			04/13/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67332		SampType: MBLK		Units µg/L						
SampID: MBLK-R110412-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene		2.0		ND						04/12/2011
Ethylbenzene		5.0		ND						04/12/2011
Toluene		5.0		ND						04/12/2011
Xylenes, Total		5.0		ND						04/12/2011
Surr: 1,2-Dichloroethane-d4				49.2	50.0		98.5	74.7	129	04/12/2011
Surr: 4-Bromofluorobenzene				51.7	50.0		103.4	86	119	04/12/2011
Surr: Dibromofluoromethane				51.3	50.0		102.7	81.7	123	04/12/2011
Surr: Toluene-d8				48.2	50.0		96.4	84.3	114	04/12/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67332		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110412-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		49.1	50.0	0	98.2	47.77	2.79	04/12/2011	
Ethylbenzene	5.0		47.4	50.0	0	94.9	46.95	1.06	04/12/2011	
Toluene	5.0		48.9	50.0	0	97.7	47.89	2.01	04/12/2011	
Xylenes, Total	5.0		148	150	0	98.4	144.6	2.01	04/12/2011	
Surr: 1,2-Dichloroethane-d4			50.2	50.0		100.4			04/12/2011	
Surr: 4-Bromofluorobenzene			51.7	50.0		103.5			04/12/2011	
Surr: Dibromofluoromethane			53.7	50.0		107.5			04/12/2011	
Surr: Toluene-d8			49.0	50.0		98.0			04/12/2011	

Batch 67332		SampType: LCS		Units µg/L					
SampID: LCS-R110412-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		47.8	50.0	0	95.5	82.7	117	04/12/2011
Ethylbenzene	5.0		47.0	50.0	0	93.9	83	113	04/12/2011
Toluene	5.0		47.9	50.0	0	95.8	79.6	116	04/12/2011
Xylenes, Total	5.0		145	150	0	96.4	80.3	120	04/12/2011
Surr: 1,2-Dichloroethane-d4			49.9	50.0		99.8	74.7	129	04/12/2011
Surr: 4-Bromofluorobenzene			52.1	50.0		104.1	86	119	04/12/2011
Surr: Dibromofluoromethane			53.1	50.0		106.2	81.7	123	04/12/2011
Surr: Toluene-d8			48.8	50.0		97.5	84.3	114	04/12/2011

Batch 67332		SampType: MS		Units µg/L					
SampID: 11040502-003EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		59.1	46.0	27.37	68.9	57.8	125	04/12/2011
Ethylbenzene	5.0		44.0	46.0	1.480	92.4	72.8	123	04/12/2011
Toluene	5.0		49.8	46.0	10.52	85.3	75.8	123	04/12/2011
Xylenes, Total	5.0		93.4	92.0	4.820	96.2	73	127	04/12/2011
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.1	74.7	129	04/12/2011
Surr: 4-Bromofluorobenzene			51.1	50.0		102.3	86	119	04/12/2011
Surr: Dibromofluoromethane			52.2	50.0		104.5	81.7	123	04/12/2011
Surr: Toluene-d8			48.2	50.0		96.4	84.3	114	04/12/2011

Batch 67332		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11040502-003EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		57.6	46.0	27.37	65.7	59.06	2.56	04/12/2011	
Ethylbenzene	5.0		44.4	46.0	1.480	93.3	43.99	0.91	04/12/2011	
Toluene	5.0		50.0	46.0	10.52	85.8	49.78	0.42	04/12/2011	
Xylenes, Total	5.0		94.2	92.0	4.820	97.1	93.36	0.89	04/12/2011	
Surr: 1,2-Dichloroethane-d4			49.5	50.0		99.0			04/12/2011	
Surr: 4-Bromofluorobenzene			51.2	50.0		102.5			04/12/2011	
Surr: Dibromofluoromethane			52.1	50.0		104.1			04/12/2011	
Surr: Toluene-d8			48.6	50.0		97.2			04/12/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67327		SampType: MBLK		Units µg/Kg							Date Analyzed
SampID: MBLK-A110413-1											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
1,1,1,2-Tetrachloroethane	5.00		ND								
1,1,1-Trichloroethane	5.00		ND								
1,1,2,2-Tetrachloroethane	5.00		ND								
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		ND								
1,1,2-Trichloroethane	5.00		ND								
1,1-Dichloro-2-propanone	50.0		ND								
1,1-Dichloroethane	5.00		ND								
1,1-Dichloroethene	5.00		ND								
1,1-Dichloropropene	5.00		ND								
1,2,3-Trichlorobenzene	5.00		ND								
1,2,3-Trichloropropane	10.0		ND								
1,2,3-Trimethylbenzene	5.00		ND								
1,2,4-Trichlorobenzene	5.00		ND								
1,2,4-Trimethylbenzene	5.00		ND								
1,2-Dibromo-3-chloropropane	5.00		ND								
1,2-Dibromoethane	5.00		ND								
1,2-Dichlorobenzene	5.00		ND								
1,2-Dichloroethane	5.00		ND								
1,2-Dichloropropane	5.00		ND								
1,3,5-Trimethylbenzene	5.00		ND								
1,3-Dichlorobenzene	5.00		ND								
1,3-Dichloropropane	5.00		ND								
1,4-Dichlorobenzene	5.00		ND								
1-Chlorobutane	5.00		ND								
2,2-Dichloropropane	5.00		ND								
2-Butanone	50.0		ND								
2-Chlorotoluene	5.00		ND								
2-Hexanone	50.0		ND								
2-Nitropropane	50.0		ND								
4-Chlorotoluene	5.00		ND								
4-Methyl-2-pentanone	50.0		ND								
Acetone	50.0		ND								
Acetonitrile	100		ND								
Acrolein	100		ND								
Acrylonitrile	10.0		ND								
Allyl chloride	5.00		ND								
Benzene	1.00		ND								
Bromobenzene	5.00		ND								
Bromochloromethane	5.00		ND								
Bromodichloromethane	5.00		ND								
Bromoform	5.00		ND								
Bromomethane	10.0		ND								
Carbon disulfide	5.00		ND								
Carbon tetrachloride	5.00		ND								
Chlorobenzene	5.00		ND								
Chloroethane	10.0		ND								
Chloroform	5.00		ND								

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67327 **SampType:** MBLK **Units** µg/Kg

SampID: MBLK-A110413-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloromethane	10.0		ND						04/13/2011
cis-1,2-Dichloroethene	5.00		ND						04/13/2011
cis-1,3-Dichloropropene	4.00		ND						04/13/2011
Cyclohexanone	100		ND						04/13/2011
Dibromochloromethane	5.00		ND						04/13/2011
Dibromomethane	5.00		ND						04/13/2011
Dichlorodifluoromethane	10.0		ND						04/13/2011
Ethyl acetate	50.0		ND						04/13/2011
Ethyl ether	5.00		ND						04/13/2011
Ethyl methacrylate	5.00		ND						04/13/2011
Ethylbenzene	5.00		ND						04/13/2011
Heptane	20.0		ND						04/13/2011
Hexachlorobutadiene	5.00		ND						04/13/2011
Hexachloroethane	5.00		ND						04/13/2011
Iodomethane	10.0		ND						04/13/2011
Isopropylbenzene	5.00		ND						04/13/2011
m,p-Xylenes	5.00		ND						04/13/2011
Methacrylonitrile	50.0		ND						04/13/2011
Methyl Methacrylate	5.00		ND						04/13/2011
Methyl tert-butyl ether	2.00		ND						04/13/2011
Methylacrylate	10.0		ND						04/13/2011
Methylene chloride	5.00		ND						04/13/2011
Naphthalene	10.0		ND						04/13/2011
n-Butylbenzene	5.00		ND						04/13/2011
n-Hexane	20.0		ND						04/13/2011
Nitrobenzene	100		ND						04/13/2011
n-Propylbenzene	5.00		ND						04/13/2011
o-Xylene	5.00		ND						04/13/2011
Pentachloroethane	5.00		ND						04/13/2011
p-Isopropyltoluene	5.00		ND						04/13/2011
Propionitrile	50.0		ND						04/13/2011
sec-Butylbenzene	5.00		ND						04/13/2011
Styrene	5.00		ND						04/13/2011
tert-Butylbenzene	5.00		ND						04/13/2011
Tetrachloroethene	5.00		ND						04/13/2011
Tetrahydrofuran	50.0		ND						04/13/2011
Toluene	5.00		ND						04/13/2011
trans-1,2-Dichloroethene	5.00		ND						04/13/2011
trans-1,3-Dichloropropene	4.00		ND						04/13/2011
trans-1,4-Dichloro-2-butene	10.0		ND						04/13/2011
Trichloroethene	5.00		ND						04/13/2011
Trichlorofluoromethane	5.00		ND						04/13/2011
Vinyl acetate	50.0		ND						04/13/2011
Vinyl chloride	2.00		ND						04/13/2011
Xylenes, Total	5.00		ND						04/13/2011
Gasoline Range Organics (OA-1)	1000		ND						04/13/2011
Surr: 1,2-Dichloroethane-d4			56.8	50.0		113.5	72.2	131	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67327 **SampType:** MBLK **Units** µg/Kg

SampID: MBLK-A110413-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 4-Bromofluorobenzene			54.2	50.0		108.4	82.1	116	04/13/2011
Surr: Dibromofluoromethane			54.1	50.0		108.3	77.7	120	04/13/2011
Surr: Toluene-d8			48.0	50.0		96.0	86	116	04/13/2011

Batch 67327 **SampType:** LCS **Units** µg/Kg

SampID: LCS-A110413-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	5.00		49.8	50.0	0	99.5	0	200	04/13/2011
1,1,1-Trichloroethane	5.00		52.7	50.0	0	105.5	85.8	124	04/13/2011
1,1,2,2-Tetrachloroethane	5.00		48.8	50.0	0	97.7	0	200	04/13/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		46.4	50.0	0	92.7	0	200	04/13/2011
1,1,2-Trichloroethane	5.00		48.3	50.0	0	96.6	0	200	04/13/2011
1,1-Dichloro-2-propanone	50.0		148	125	0	118.3	0	200	04/13/2011
1,1-Dichloroethane	5.00		46.3	50.0	0	92.7	0	200	04/13/2011
1,1-Dichloroethene	5.00		42.1	50.0	0	84.2	60.1	131	04/13/2011
1,1-Dichloropropene	5.00		47.4	50.0	0	94.9	0	200	04/13/2011
1,2,3-Trichlorobenzene	5.00		60.8	50.0	0	121.5	0	200	04/13/2011
1,2,3-Trichloropropane	10.0		52.2	50.0	0	104.3	0	200	04/13/2011
1,2,3-Trimethylbenzene	5.00		47.9	50.0	0	95.8	0	200	04/13/2011
1,2,4-Trichlorobenzene	5.00		60.2	50.0	0	120.3	0	200	04/13/2011
1,2,4-Trimethylbenzene	5.00		48.9	50.0	0	97.8	0	200	04/13/2011
1,2-Dibromo-3-chloropropane	5.00		60.6	50.0	0	121.1	0	200	04/13/2011
1,2-Dibromoethane	5.00		51.0	50.0	0	101.9	86.9	119	04/13/2011
1,2-Dichlorobenzene	5.00		50.9	50.0	0	101.7	88	119	04/13/2011
1,2-Dichloroethane	5.00		53.8	50.0	0	107.6	73	117	04/13/2011
1,2-Dichloropropane	5.00		47.3	50.0	0	94.6	0	200	04/13/2011
1,3,5-Trimethylbenzene	5.00		48.7	50.0	0	97.5	0	200	04/13/2011
1,3-Dichlorobenzene	5.00		50.6	50.0	0	101.1	85.8	125	04/13/2011
1,3-Dichloropropane	5.00		45.3	50.0	0	90.7	0	200	04/13/2011
1,4-Dichlorobenzene	5.00		49.2	50.0	0	98.5	84.5	124	04/13/2011
1-Chlorobutane	5.00		40.8	50.0	0	81.5	0	200	04/13/2011
2,2-Dichloropropane	5.00		50.0	50.0	0	100.1	0	200	04/13/2011
2-Butanone	50.0		137	125	0	109.8	45.3	136	04/13/2011
2-Chlorotoluene	5.00		46.0	50.0	0	92.0	0	200	04/13/2011
2-Hexanone	50.0		120	125	0	95.8	0	200	04/13/2011
2-Nitropropane	50.0		603	500	0	120.5	0	200	04/13/2011
4-Chlorotoluene	5.00		47.2	50.0	0	94.3	0	200	04/13/2011
4-Methyl-2-pentanone	50.0		133	125	0	106.8	0	200	04/13/2011
Acetone	50.0		145	125	0	115.6	0	200	04/13/2011
Acetonitrile	100		500	500	0	99.9	0	200	04/13/2011
Acrylonitrile	10.0		47.8	50.0	0	95.6	0	200	04/13/2011
Allyl chloride	5.00		47.3	50.0	0	94.6	0	200	04/13/2011
Benzene	1.00		45.4	50.0	0	90.9	73.9	109	04/13/2011
Bromobenzene	5.00		48.6	50.0	0	97.3	0	200	04/13/2011
Bromochloromethane	5.00		46.0	50.0	0	92.0	0	200	04/13/2011
Bromodichloromethane	5.00		52.5	50.0	0	104.9	91.3	126	04/13/2011
Bromoform	5.00		52.1	50.0	0	104.2	0	200	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67327 **SampType:** LCS **Units** µg/Kg

SampID: LCS-A110413-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Bromomethane	10.0		34.8	50.0	0	69.5	0	200	04/13/2011
Carbon disulfide	5.00		37.1	50.0	0	74.1	0	200	04/13/2011
Carbon tetrachloride	5.00		53.8	50.0	0	107.7	83.3	127	04/13/2011
Chlorobenzene	5.00		48.8	50.0	0	97.5	85.8	116	04/13/2011
Chloroethane	10.0		29.0	50.0	0	58.0	0	200	04/13/2011
Chloroform	5.00		49.5	50.0	0	99.0	80	113	04/13/2011
Chloromethane	10.0		15.6	50.0	0	31.3	0	200	04/13/2011
cis-1,2-Dichloroethene	5.00		47.4	50.0	0	94.8	0	200	04/13/2011
cis-1,3-Dichloropropene	4.00		49.6	50.0	0	99.2	0	200	04/13/2011
Cyclohexanone	100		220	250	0	88.1	0	200	04/13/2011
Dibromochloromethane	5.00		50.9	50.0	0	101.9	89.1	119	04/13/2011
Dibromomethane	5.00		51.2	50.0	0	102.3	0	200	04/13/2011
Dichlorodifluoromethane	10.0	J	9.1	50.0	0	18.3	0	200	04/13/2011
Ethyl acetate	50.0		51.7	50.0	0	103.4	0	200	04/13/2011
Ethyl ether	5.00		46.3	50.0	0	92.6	0	200	04/13/2011
Ethyl methacrylate	5.00		45.5	50.0	0	91.0	0	200	04/13/2011
Ethylbenzene	5.00		46.5	50.0	0	93.0	84.1	115	04/13/2011
Heptane	20.0		41.2	50.0	0	82.4	0	200	04/13/2011
Hexachlorobutadiene	5.00		59.8	50.0	0	119.6	0	200	04/13/2011
Hexachloroethane	5.00		48.0	50.0	0	96.1	0	200	04/13/2011
Iodomethane	10.0		51.1	50.0	0	102.2	0	200	04/13/2011
Isopropylbenzene	5.00		48.6	50.0	0	97.1	0	200	04/13/2011
m,p-Xylenes	5.00		90.8	100	0	90.8	79.1	111	04/13/2011
Methacrylonitrile	50.0	J	48	50.0	0	96.3	0	200	04/13/2011
Methyl Methacrylate	5.00		50.5	50.0	0	101.0	0	200	04/13/2011
Methyl tert-butyl ether	2.00		52.1	50.0	0	104.1	80	128	04/13/2011
Methylacrylate	10.0		52.1	50.0	0	104.1	0	200	04/13/2011
Methylene chloride	5.00		44.0	50.0	0	88.1	73.9	116	04/13/2011
Naphthalene	10.0		60.8	50.0	0	121.6	73.1	135	04/13/2011
n-Butylbenzene	5.00		48.3	50.0	0	96.6	0	200	04/13/2011
n-Hexane	20.0		36.8	50.0	0	73.5	0	200	04/13/2011
Nitrobenzene	100		497	500	0	99.5	0	200	04/13/2011
n-Propylbenzene	5.00		46.4	50.0	0	92.7	0	200	04/13/2011
o-Xylene	5.00		46.9	50.0	0	93.9	82	117	04/13/2011
Pentachloroethane	5.00		51.8	50.0	0	103.6	0	200	04/13/2011
p-Isopropyltoluene	5.00		48.2	50.0	0	96.5	0	200	04/13/2011
Propionitrile	50.0		514	500	0	102.9	0	200	04/13/2011
sec-Butylbenzene	5.00		48.5	50.0	0	97.0	0	200	04/13/2011
Styrene	5.00		45.7	50.0	0	91.4	0	200	04/13/2011
tert-Butylbenzene	5.00		48.6	50.0	0	97.2	0	200	04/13/2011
Tetrachloroethene	5.00		49.0	50.0	0	98.0	74.6	115	04/13/2011
Tetrahydrofuran	50.0		54.0	50.0	0	108.0	0	200	04/13/2011
Toluene	5.00		40.3	50.0	0	80.6	79.1	112	04/13/2011
trans-1,2-Dichloroethene	5.00		46.0	50.0	0	92.1	0	200	04/13/2011
trans-1,3-Dichloropropene	4.00		46.9	50.0	0	93.8	0	200	04/13/2011
trans-1,4-Dichloro-2-butene	10.0		47.8	50.0	0	95.6	0	200	04/13/2011
Trichloroethene	5.00		53.6	50.0	0	107.2	81	111	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67327		SampType: LCS		Units µg/Kg						
SampID: LCS-A110413-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Trichlorofluoromethane	5.00		43.7	50.0	0	87.5	0	200	04/13/2011	
Vinyl acetate	50.0	J	49	50.0	0	97.4	0	200	04/13/2011	
Vinyl chloride	2.00		22.2	50.0	0	44.5	0	200	04/13/2011	
Xylenes, Total	5.00		138	150	0	91.9	79.1	117	04/13/2011	
Surr: 1,2-Dichloroethane-d4			54.5	50.0		108.9	72.2	131	04/13/2011	
Surr: 4-Bromofluorobenzene			51.2	50.0		102.4	82.1	116	04/13/2011	
Surr: Dibromofluoromethane			53.8	50.0		107.5	77.7	120	04/13/2011	
Surr: Toluene-d8			45.5	50.0		91.1	86	116	04/13/2011	

Batch 67327	SampType: LCSD	Units µg/Kg						RPD Limit 40		
SampID: LCSD-A110413-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,1,1,2-Tetrachloroethane	5.00		50.0	50.0	0	100.1	49.77	0.56	04/13/2011	
1,1,1-Trichloroethane	5.00		53.3	50.0	0	106.6	52.74	1.07	04/13/2011	
1,1,2,2-Tetrachloroethane	5.00		46.2	50.0	0	92.4	48.85	5.58	04/13/2011	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		45.4	50.0	0	90.8	46.35	2.11	04/13/2011	
1,1,2-Trichloroethane	5.00		47.0	50.0	0	94.0	48.28	2.73	04/13/2011	
1,1-Dichloro-2-propanone	50.0		121	125	0	96.6	147.8	20.15	04/13/2011	
1,1-Dichloroethane	5.00		46.2	50.0	0	92.4	46.33	0.32	04/13/2011	
1,1-Dichloroethene	5.00		43.2	50.0	0	86.3	42.10	2.51	04/13/2011	
1,1-Dichloropropene	5.00		47.3	50.0	0	94.6	47.43	0.27	04/13/2011	
1,2,3-Trichlorobenzene	5.00		58.6	50.0	0	117.2	60.76	3.64	04/13/2011	
1,2,3-Trichloropropane	10.0		47.8	50.0	0	95.5	52.15	8.81	04/13/2011	
1,2,3-Trimethylbenzene	5.00		48.4	50.0	0	96.7	47.88	1.02	04/13/2011	
1,2,4-Trichlorobenzene	5.00		57.7	50.0	0	115.5	60.17	4.12	04/13/2011	
1,2,4-Trimethylbenzene	5.00		49.4	50.0	0	98.9	48.90	1.08	04/13/2011	
1,2-Dibromo-3-chloropropane	5.00		51.8	50.0	0	103.6	60.56	15.59	04/13/2011	
1,2-Dibromoethane	5.00		49.1	50.0	0	98.2	50.95	3.70	04/13/2011	
1,2-Dichlorobenzene	5.00		50.8	50.0	0	101.5	50.86	0.18	04/13/2011	
1,2-Dichloroethane	5.00		53.0	50.0	0	106.1	53.82	1.44	04/13/2011	
1,2-Dichloropropane	5.00		47.8	50.0	0	95.7	47.30	1.11	04/13/2011	
1,3,5-Trimethylbenzene	5.00		49.6	50.0	0	99.2	48.73	1.75	04/13/2011	
1,3-Dichlorobenzene	5.00		50.9	50.0	0	101.9	50.56	0.73	04/13/2011	
1,3-Dichloropropane	5.00		44.6	50.0	0	89.2	45.33	1.65	04/13/2011	
1,4-Dichlorobenzene	5.00		49.3	50.0	0	98.6	49.25	0.10	04/13/2011	
1-Chlorobutane	5.00		40.8	50.0	0	81.7	40.77	0.17	04/13/2011	
2,2-Dichloropropane	5.00		50.5	50.0	0	100.9	50.05	0.82	04/13/2011	
2-Butanone	50.0		116	125	0	93.2	137.2	16.34	04/13/2011	
2-Chlorotoluene	5.00		47.0	50.0	0	94.0	46.01	2.17	04/13/2011	
2-Hexanone	50.0		102	125	0	81.2	119.7	16.44	04/13/2011	
2-Nitropropane	50.0		531	500	0	106.2	602.7	12.68	04/13/2011	
4-Chlorotoluene	5.00		47.6	50.0	0	95.3	47.15	1.01	04/13/2011	
4-Methyl-2-pentanone	50.0		117	125	0	93.9	133.5	12.85	04/13/2011	
Acetone	50.0		119	125	0	94.9	144.5	19.68	04/13/2011	
Acetonitrile	100		430	500	0	86.0	499.6	15.03	04/13/2011	
Acrylonitrile	10.0		42.5	50.0	0	85.0	47.78	11.65	04/13/2011	
Allyl chloride	5.00		46.9	50.0	0	93.8	47.29	0.87	04/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67327		SampType: LCSD		Units µg/Kg				RPD Limit 40		
SampID: LCSD-A110413-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	1.00		46.3	50.0	0	92.6	45.45	1.90	04/13/2011	
Bromobenzene	5.00		49.6	50.0	0	99.1	48.64	1.89	04/13/2011	
Bromochloromethane	5.00		46.4	50.0	0	92.9	46.02	0.91	04/13/2011	
Bromodichloromethane	5.00		52.4	50.0	0	104.8	52.46	0.15	04/13/2011	
Bromoform	5.00		49.4	50.0	0	98.7	52.12	5.46	04/13/2011	
Bromomethane	10.0		35.5	50.0	0	71.0	34.77	2.13	04/13/2011	
Carbon disulfide	5.00		37.2	50.0	0	74.3	37.07	0.22	04/13/2011	
Carbon tetrachloride	5.00		54.8	50.0	0	109.7	53.85	1.84	04/13/2011	
Chlorobenzene	5.00		48.9	50.0	0	97.8	48.76	0.31	04/13/2011	
Chloroethane	10.0		30.1	50.0	0	60.2	29.02	3.62	04/13/2011	
Chloroform	5.00		50.7	50.0	0	101.4	49.52	2.35	04/13/2011	
Chloromethane	10.0		16.1	50.0	0	32.2	15.64	3.02	04/13/2011	
cis-1,2-Dichloroethene	5.00		48.0	50.0	0	96.1	47.41	1.34	04/13/2011	
cis-1,3-Dichloropropene	4.00		50.3	50.0	0	100.6	49.58	1.42	04/13/2011	
Cyclohexanone	100		204	250	0	81.6	220.2	7.64	04/13/2011	
Dibromochloromethane	5.00		50.3	50.0	0	100.7	50.93	1.19	04/13/2011	
Dibromomethane	5.00		50.0	50.0	0	100	51.17	2.35	04/13/2011	
Dichlorodifluoromethane	10.0	J	9.0	50.0	0	18.0	9.140	0.00	04/13/2011	
Ethyl acetate	50.0	J	44	50.0	0	88.4	51.72	0.00	04/13/2011	
Ethyl ether	5.00		45.6	50.0	0	91.2	46.30	1.50	04/13/2011	
Ethyl methacrylate	5.00		42.4	50.0	0	84.9	45.49	6.94	04/13/2011	
Ethylbenzene	5.00		46.4	50.0	0	92.8	46.49	0.15	04/13/2011	
Heptane	20.0		40.6	50.0	0	81.1	41.18	1.52	04/13/2011	
Hexachlorobutadiene	5.00		59.7	50.0	0	119.5	59.80	0.10	04/13/2011	
Hexachloroethane	5.00		49.3	50.0	0	98.6	48.04	2.57	04/13/2011	
Iodomethane	10.0		52.8	50.0	0	105.5	51.10	3.18	04/13/2011	
Isopropylbenzene	5.00		48.8	50.0	0	97.5	48.55	0.45	04/13/2011	
m,p-Xylenes	5.00		91.9	100	0	91.9	90.85	1.11	04/13/2011	
Methacrylonitrile	50.0	J	45	50.0	0	90.1	48.13	0.00	04/13/2011	
Methyl Methacrylate	5.00		45.8	50.0	0	91.6	50.51	9.78	04/13/2011	
Methyl tert-butyl ether	2.00		50.3	50.0	0	100.6	52.07	3.48	04/13/2011	
Methylacrylate	10.0		46.2	50.0	0	92.3	52.06	12.04	04/13/2011	
Methylene chloride	5.00		44.6	50.0	0	89.2	44.04	1.24	04/13/2011	
Naphthalene	10.0		55.5	50.0	0	110.9	60.82	9.20	04/13/2011	
n-Butylbenzene	5.00		48.6	50.0	0	97.2	48.30	0.58	04/13/2011	
n-Hexane	20.0		35.6	50.0	0	71.2	36.76	3.21	04/13/2011	
Nitrobenzene	100		394	500	0	78.9	497.4	23.08	04/13/2011	
n-Propylbenzene	5.00		47.1	50.0	0	94.2	46.37	1.54	04/13/2011	
o-Xylene	5.00		47.3	50.0	0	94.6	46.93	0.81	04/13/2011	
Pentachloroethane	5.00		52.2	50.0	0	104.3	51.81	0.69	04/13/2011	
p-Isopropyltoluene	5.00		48.9	50.0	0	97.8	48.25	1.30	04/13/2011	
Propionitrile	50.0		446	500	0	89.1	514.5	14.32	04/13/2011	
sec-Butylbenzene	5.00		49.1	50.0	0	98.3	48.52	1.27	04/13/2011	
Styrene	5.00		46.0	50.0	0	92.0	45.71	0.65	04/13/2011	
tert-Butylbenzene	5.00		49.6	50.0	0	99.1	48.61	1.92	04/13/2011	
Tetrachloroethene	5.00		49.1	50.0	0	98.1	48.98	0.16	04/13/2011	
Tetrahydrofuran	50.0	J	46	50.0	0	92.2	54.01	0.00	04/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67327		SampType: LCSD	Units µg/Kg		RPD Limit 40				
SampID: LCSD-A110413-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Toluene	5.00		40.7	50.0	0	81.4	40.32	0.94	04/13/2011
trans-1,2-Dichloroethene	5.00		45.7	50.0	0	91.3	46.04	0.83	04/13/2011
trans-1,3-Dichloropropene	4.00		46.2	50.0	0	92.4	46.90	1.48	04/13/2011
trans-1,4-Dichloro-2-butene	10.0		44.4	50.0	0	88.7	47.81	7.51	04/13/2011
Trichloroethene	5.00		54.2	50.0	0	108.5	53.59	1.22	04/13/2011
Trichlorofluoromethane	5.00		44.3	50.0	0	88.7	43.73	1.39	04/13/2011
Vinyl acetate	50.0	J	47	50.0	0	93.3	48.70	0.00	04/13/2011
Vinyl chloride	2.00		22.7	50.0	0	45.4	22.24	1.96	04/13/2011
Xylenes, Total	5.00		139	150	0	92.8	137.8	1.00	04/13/2011
Surr: 1,2-Dichloroethane-d4			54.3	50.0		108.6			04/13/2011
Surr: 4-Bromofluorobenzene			52.4	50.0		104.7			04/13/2011
Surr: Dibromofluoromethane			54.4	50.0		108.8			04/13/2011
Surr: Toluene-d8			46.4	50.0		92.7			04/13/2011

Batch 67327		SampType: LCSG	Units µg/Kg						
SampID: LCSG-A110413-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Gasoline Range Organics (OA-1)	1000		2110	2000	0	105.3	70	130	04/13/2011
Surr: 1,2-Dichloroethane-d4			56.3	50.0		112.7	61	128	04/13/2011
Surr: 4-Bromofluorobenzene			54.8	50.0		109.5	78.2	117	04/13/2011
Surr: Dibromofluoromethane			52.4	50.0		104.7	66.6	130	04/13/2011
Surr: Toluene-d8			47.6	50.0		95.3	80.1	122	04/13/2011

Batch 67327		SampType: LCSGD	Units µg/Kg		RPD Limit 20				
SampID: LCSGD-A110413-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Gasoline Range Organics (OA-1)	1000		2100	2000	0	105.1	2106	0.18	04/13/2011
Surr: 1,2-Dichloroethane-d4			55.9	50.0		111.7			04/13/2011
Surr: 4-Bromofluorobenzene			55.5	50.0		111.0			04/13/2011
Surr: Dibromofluoromethane			51.5	50.0		103.0			04/13/2011
Surr: Toluene-d8			48.2	50.0		96.5			04/13/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040502

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 18-Apr-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

12-Apr-11

12-Apr-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10003

11040502

Project Name: Champaign MGP		Project Mgr.: Pete Szazama	
Project Number: 024-0908-0120		Cost Code: J0002	
Sampler(s): J. Purdy / J. Blanton			
Laboratory	Name: TexLab		
Location: Collinsville, IL			
Sample Number and (depth)	Date	Time	Matrix
			Soil
			Water
			Air
			Wipes
			Other *
P8-E1.2-F(20')	4/11/11	1350	X
30984-treated-4/11/11	4/11/11	1515	X
4419-treated-4/12/11	4/12/11	0900	X
Total Number of Containers			
VOCs 8860			
SVOCs 8870			
SVOCs 8870 Sims			
PCPA Metals			
Total Amenable Cyanide			
TPH (DMA + OR2)			
BTEX 8860			
TSS			
BODs			
PH			
Comments (Field PID)		Lab ID #s	
11040502-cc1		cc2	
11040502-cc3		cc3	
Teklab, Inc.			
CourierPickUp			

1 DAY

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☐ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☒ Metals	Nitric acid
☒ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	
Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: P. Szazama & L. Hoosier	
Send Invoice to:	
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:	
Carrier / Airbill No.	
Relinquished by:	
Signature	Date
4/12/11	1025
4/12/11	1415
Received by:	
Signature	Date
4/12/11	1025
4/12/11	1415

April 20, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11040587

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 4/14/2011 8:20:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	12
Dates Report	13
Quality Control Results	14
Receiving Check List	38
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Cooler Receipt Temp: 2.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email kmclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
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Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040587-001

Client Sample ID: P8-E3.4-F (20 ft)

Matrix: SOLID

Collection Date: 04/13/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		10.2	%	1	04/14/2011 16:05	R148171
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.8	%	1	04/14/2011 16:05	R148153
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.646		Interference	mg/Kg-dry	1	04/13/2011 10:40	R148078
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.56	J	0.28	mg/Kg-dry	1	04/13/2011 10:40	R148078
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		7.28	mg/Kg-dry	1	04/15/2011 11:25	67372
Barium	NELAP	0.48		17.3	mg/Kg-dry	1	04/15/2011 11:25	67372
Cadmium	NELAP	0.19		0.25	mg/Kg-dry	1	04/15/2011 11:25	67372
Chromium	NELAP	0.96		15.0	mg/Kg-dry	1	04/15/2011 11:25	67372
Lead	NELAP	3.85		9.48	mg/Kg-dry	1	04/15/2011 11:25	67372
Silver	NELAP	0.53		< 0.53	mg/Kg-dry	1	04/15/2011 11:25	67372
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.600		< 0.600	mg/Kg-dry	1	04/14/2011 18:43	67371
SW-846 7471A								
Mercury	NELAP	0.011	J	0.008	mg/Kg-dry	1	04/15/2011 11:17	67376
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.57		ND	mg/Kg-dry	1	04/14/2011 15:10	67365
Kerosene	NELAP	5.57		ND	mg/Kg-dry	1	04/14/2011 15:10	67365
Mineral Spirits	NELAP	5.57		ND	mg/Kg-dry	1	04/14/2011 15:10	67365
Motor Oil	NELAP	5.57		ND	mg/Kg-dry	1	04/14/2011 15:10	67365
Surr: n-Tetracontane		50.6-140		86.5	%REC	1	04/14/2011 15:10	67365
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Benzo(a)anthracene	NELAP	0.004	J	0.003	mg/Kg-dry	1	04/14/2011 23:10	67364
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Bis(2-ethylhexyl)phthalate	NELAP	0.074		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Naphthalene	NELAP	0.004		0.019	mg/Kg-dry	1	04/14/2011 23:10	67364
Phenanthrene	NELAP	0.004		0.006	mg/Kg-dry	1	04/14/2011 23:10	67364
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	04/14/2011 23:10	67364
Surr: 2-Fluorobiphenyl		10-131		62.2	%REC	1	04/14/2011 23:10	67364
Surr: Nitrobenzene-d5		10-132		74.7	%REC	1	04/14/2011 23:10	67364
Surr: p-Terphenyl-d14		30.6-131		69.9	%REC	1	04/14/2011 23:10	67364

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040587-001

Client Sample ID: P8-E3.4-F (20 ft)

Matrix: SOLID

Collection Date: 04/13/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
1,2-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
1,3-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
1,4-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,4,5-Trichlorophenol	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,4,6-Trichlorophenol	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,4-Dichlorophenol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,4-Dimethylphenol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,4-Dinitrophenol	NELAP	1.11		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,4-Dinitrotoluene	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2,6-Dinitrotoluene	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2-Chloronaphthalene	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2-Chlorophenol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2-Methoxy-4-methylphenol		0.719		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2-Methylnaphthalene	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
2-Nitrophenol	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
3,3'-Dichlorobenzidine	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
3-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4,6-Dinitro-2-methylphenol	NELAP	1.11		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4-Bromophenyl phenyl ether	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4-Chloro-3-methylphenol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4-Chloroaniline	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4-Chlorophenyl phenyl ether	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4-Nitroaniline	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
4-Nitrophenol	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Aniline	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Azobenzene		0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Benzidine	NELAP	1.17		See note	mg/Kg-dry	1	04/14/2011 14:06	67335
Benzoic acid	NELAP	1.66		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Benzyl alcohol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Bis(2-chloroethoxy)methane	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Bis(2-chloroethyl)ether	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Bis(2-chloroisopropyl)ether	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Butyl benzyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Carbazole		0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Dibenzofuran	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Diethyl phthalate	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Dimethyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Di-n-butyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Di-n-octyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Hexachlorobenzene	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Hexachlorobutadiene	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Hexachlorocyclopentadiene	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Hexachloroethane	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Isophorone	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
m,p-Cresol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040587-001

Client Sample ID: P8-E3.4-F (20 ft)

Matrix: SOLID

Collection Date: 04/13/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Nitrobenzene	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
N-Nitrosodimethylamine	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
N-Nitroso-di-n-propylamine	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
N-Nitrosodiphenylamine	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
o-Cresol	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Pentachlorophenol	NELAP	2.21		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Phenol	NELAP	0.387		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Pyridine	NELAP	0.553		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
1,2-Diphenylhydrazine		0.929		ND	mg/Kg-dry	1	04/14/2011 14:06	67335
Surr: 2,4,6-Tribromophenol		32.7-130		89.6	%REC	1	04/14/2011 14:06	67335
Surr: 2-Fluorobiphenyl		34.1-116		90.1	%REC	1	04/14/2011 14:06	67335
Surr: 2-Fluorophenol		30.5-99		66.1	%REC	1	04/14/2011 14:06	67335
Surr: Nitrobenzene-d5		34.1-101		70.5	%REC	1	04/14/2011 14:06	67335
Surr: Phenol-d5		34.9-110		71.1	%REC	1	04/14/2011 14:06	67335
Surr: p-Terphenyl-d14		41.7-124		92.3	%REC	1	04/14/2011 14:06	67335
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1,1-Trichloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1,2,2-Tetrachloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1,2-Trichloro-1,2,2-trifluoroethane		109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1,2-Trichloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1-Dichloro-2-propanone		1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1-Dichloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1-Dichloroethene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,1-Dichloropropene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2,3-Trichlorobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2,3-Trichloropropane	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2,3-Trimethylbenzene		109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2,4-Trichlorobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2,4-Trimethylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2-Dibromo-3-chloropropane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2-Dibromoethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2-Dichlorobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2-Dichloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,2-Dichloropropane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,3,5-Trimethylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,3-Dichlorobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,3-Dichloropropane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1,4-Dichlorobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
1-Chlorobutane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
2,2-Dichloropropane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
2-Butanone	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
2-Chlorotoluene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
2-Hexanone	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
2-Nitropropane	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
4-Chlorotoluene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040587-001

Client Sample ID: P8-E3.4-F (20 ft)

Matrix: SOLID

Collection Date: 04/13/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
4-Methyl-2-pentanone	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Acetone	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Acetonitrile	NELAP	2180		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Acrolein	NELAP	2180		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Acrylonitrile	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Allyl chloride	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Benzene	NELAP	21.8		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Bromobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Bromochloromethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Bromodichloromethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Bromoform	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Bromomethane	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Carbon disulfide	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Carbon tetrachloride	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Chlorobenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Chloroethane	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Chloroform	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Chloromethane	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
cis-1,2-Dichloroethene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
cis-1,3-Dichloropropene	NELAP	87.1		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Cyclohexanone		2180		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Dibromochloromethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Dibromomethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Dichlorodifluoromethane	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Ethyl acetate	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Ethyl ether	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Ethyl methacrylate	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Ethylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Gasoline Range Organics (OA-1)		21800		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Heptane		436		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Hexachlorobutadiene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Hexachloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Iodomethane	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Isopropylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
m,p-Xylenes	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Methacrylonitrile	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Methyl Methacrylate	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Methyl tert-butyl ether	NELAP	43.6		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Methylacrylate		218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Methylene chloride	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Naphthalene	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
n-Butylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
n-Hexane		436		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Nitrobenzene	NELAP	2180		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
n-Propylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
o-Xylene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Pentachloroethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389

Client: PSC Industrial Outsourcing, LP

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Matrix: SOLID

Collection Date: 04/13/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
p-Isopropyltoluene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Propionitrile	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
sec-Butylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Styrene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
tert-Butylbenzene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Tetrachloroethene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Tetrahydrofuran	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Toluene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
trans-1,2-Dichloroethene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
trans-1,3-Dichloropropene	NELAP	87.1		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
trans-1,4-Dichloro-2-butene	NELAP	218		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Trichloroethene	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Trichlorofluoromethane	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Vinyl acetate	NELAP	1090		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Vinyl chloride	NELAP	43.6		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Xylenes, Total	NELAP	109		ND	µg/Kg-dry	12.5	04/14/2011 18:03	67389
Surr: 1,2-Dichloroethane-d4		72.2-131		100	%REC	12.5	04/14/2011 18:03	67389
Surr: 4-Bromofluorobenzene		82.1-116		95.4	%REC	12.5	04/14/2011 18:03	67389
Surr: Dibromofluoromethane		77.7-120		91.2	%REC	12.5	04/14/2011 18:03	67389
Surr: Toluene-d8		86-116		110.9	%REC	12.5	04/14/2011 18:03	67389

Elevated reporting limit due to matrix interference.

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040587-002

Client Sample ID: 6773-treated-4/13/11

Matrix: AQUEOUS

Collection Date: 04/13/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.74		1	04/14/2011 16:24	R148156
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		17	mg/L	1	04/14/2011 9:00	R148126
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		20	mg/L	1	04/14/2011 18:05	67397
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.078		Interference	mg/L	10	04/15/2011 9:01	R148190
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.078		0.318	mg/L	10	04/15/2011 9:01	R148190
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/14/2011 14:41	67359
Barium	NELAP	0.0050		0.414	mg/L	1	04/14/2011 14:41	67359
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/14/2011 14:41	67359
Chromium	NELAP	0.0100		0.0105	mg/L	1	04/14/2011 14:41	67359
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/14/2011 14:41	67359
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/18/2011 11:38	67430
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/15/2011 9:01	67358
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/15/2011 11:17	67403
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00026	mg/L	1	04/14/2011 22:33	67363
Acenaphthylene	NELAP	0.00010		0.00033	mg/L	1	04/14/2011 22:33	67363
Anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Chrysene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Fluorene	NELAP	0.00010		0.00014	mg/L	1	04/14/2011 22:33	67363
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Naphthalene	NELAP	0.00010		0.0149	mg/L	1	04/14/2011 22:33	67363
Phenanthrene	NELAP	0.00010		0.00022	mg/L	1	04/14/2011 22:33	67363
Pyrene	NELAP	0.00010		ND	mg/L	1	04/14/2011 22:33	67363
Total PNAs except Naphthalene		0.00013		0.00095	mg/L	1	04/14/2011 22:33	67363
Surr: 2-Fluorobiphenyl		34.3-105		63.6	%REC	1	04/14/2011 22:33	67363
Surr: 2-Fluorophenol		19.9-55.7		36.8	%REC	1	04/14/2011 22:33	67363
Surr: Nitrobenzene-d5		43-106		83.0	%REC	1	04/14/2011 22:33	67363
Surr: Phenol-d5		8.95-38.5		24.2	%REC	1	04/14/2011 22:33	67363
Surr: p-Terphenyl-d14		6.05-133		43.2	%REC	1	04/14/2011 22:33	67363
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		36.0	µg/L	1	04/15/2011 22:24	67463
Ethylbenzene	NELAP	5.0	J	2.3	µg/L	1	04/15/2011 22:24	67463

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040587-002

Client Sample ID: 6773-treated-4/13/11

Matrix: AQUEOUS

Collection Date: 04/13/2011 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		15.2	µg/L	1	04/15/2011 22:24	67463
Xylenes, Total	NELAP	5.0		7.8	µg/L	1	04/15/2011 22:24	67463
Surr: 1,2-Dichloroethane-d4		74.7-129		98.6	%REC	1	04/15/2011 22:24	67463
Surr: 4-Bromofluorobenzene		86-119		104.4	%REC	1	04/15/2011 22:24	67463
Surr: Dibromofluoromethane		81.7-123		103.8	%REC	1	04/15/2011 22:24	67463
Surr: Toluene-d8		84.3-114		99.2	%REC	1	04/15/2011 22:24	67463



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11040587-001	P8-E3.4-F (20 ft)	Solid	5	04/13/2011 8:40
11040587-002	6773-treated-4/13/11	Aqueous	5	04/13/2011 13:50

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11040587-001A	P8-E3.4-F (20 ft)	04/13/2011 8:40	4/14/2011 8:20:00 AM	
	SW-846 3050B, 6010B, Metals by ICP		04/14/2011 12:50	04/15/2011 11:25
	SW-846 3050B, Metals by GFAA		04/14/2011 12:46	04/14/2011 18:43
	SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID		04/14/2011 10:48	04/14/2011 15:10
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/14/2011 10:47	04/14/2011 23:10
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		04/14/2011 10:56	04/14/2011 14:06
	SW-846 7471A		04/14/2011 13:52	04/15/2011 11:17
11040587-001B	P8-E3.4-F (20 ft)	04/13/2011 8:40	4/14/2011 8:20:00 AM	
	EPA SW846 3550C, 5035A, ASTM D2974			04/14/2011 16:05
	Standard Methods 18th Ed. 2540 G			04/14/2011 16:05
	SW-846 9012A			04/13/2011 10:40
	SW-846 9012A (Total)			04/13/2011 10:40
11040587-001E	P8-E3.4-F (20 ft)	04/13/2011 8:40	4/14/2011 8:20:00 AM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			04/14/2011 18:03
11040587-002A	6773-treated-4/13/11	04/13/2011 13:50	4/14/2011 8:20:00 AM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/14/2011 10:43	04/14/2011 22:33
11040587-002B	6773-treated-4/13/11	04/13/2011 13:50	4/14/2011 8:20:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/14/2011 16:24
	Standard Methods 18th Ed. 2540 D			04/14/2011 9:00
	Standard Methods 18th Ed. 5210 B		04/14/2011 18:05	04/14/2011 18:05
11040587-002C	6773-treated-4/13/11	04/13/2011 13:50	4/14/2011 8:20:00 AM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/14/2011 9:28	04/14/2011 14:41
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/15/2011 16:09	04/18/2011 11:38
	SW-846 3020A, Metals by GFAA (Total)		04/14/2011 9:48	04/15/2011 9:01
	SW-846 7470A (Total)		04/15/2011 7:46	04/15/2011 11:17
11040587-002D	6773-treated-4/13/11	04/13/2011 13:50	4/14/2011 8:20:00 AM	
	SW-846 9012A			04/15/2011 9:01
	SW-846 9012A (Total)			04/15/2011 9:01
11040587-002E	6773-treated-4/13/11	04/13/2011 13:50	4/14/2011 8:20:00 AM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/15/2011 22:24

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148156		SampType: LCS		Units						
SampID: LCS-R148156										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH		1.00		7.00	7.00	0	100	99.1	100.9	04/14/2011

Batch R148156		SampType: DUP		Units				RPD Limit 10			
SampID: 11040587-002BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.76				8.740	0.23	04/14/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R148126		SampType: MBLK		Units mg/L						
SampID: MB-R148126										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						04/14/2011

Batch R148126		SampType: LCS		Units mg/L						
SampID: LCS-R148126										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		97	100	0	97.0	85	115	04/14/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	04/14/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	04/14/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	04/14/2011	

Batch R148126		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11040587-002BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		15				17.00	12.50	04/14/2011

STANDARD METHODS 18TH ED. 2540 G

Batch R148153		SampType: LCS		Units %						
SampID: LCS-R148153										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Solids		0.1		1.0	1.0	0	100	90	110	04/14/2011

Batch R148153		SampType: LCSQC		Units %						
SampID: LCSQC-R148153										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Solids		0.1		1.0	1.0	0	101.0	90	110	04/14/2011

Batch R148153		SampType: DUP		Units %				RPD Limit 15			
SampID: 11040587-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Solids		0.1		90.2				89.82	0.44	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

STANDARD METHODS 18TH ED. 5210 B

Batch 67397		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		208	198	0	105.1	84.6	115.4	04/14/2011

Batch 67397		SampType: DUP		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		20				20.00	0.00	04/14/2011

SW-846 9012A (TOTAL)

Batch R148078		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.01		< 0.01						04/13/2011
Cyanide		0.01		< 0.01						04/13/2011
Cyanide		0.01		< 0.01						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011
Cyanide		0.007		< 0.007						04/13/2011

Batch R148078		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		0.027	0.025	0	107.5	85	115	04/13/2011
Cyanide		0.007		0.028	0.025	0	112.5	85	115	04/13/2011
Cyanide		0.007	S	0.013	0.025	0	53.1	90	110	04/13/2011
Cyanide		0.007		0.026	0.025	0	105.4	90	110	04/13/2011
Cyanide		0.007		0.027	0.025	0	108.9	90	110	04/13/2011
Cyanide		0.008	S	0.030	0.025	0	119.6	85	115	04/13/2011
Cyanide		0.01		0.03	0.02	0	111.2	85	115	04/13/2011
Cyanide		0.008		0.028	0.025	0	113.8	85	115	04/13/2011
Cyanide		0.007	S	0.028	0.025	0	112.5	90	110	04/13/2011
Cyanide		0.008	S	0.030	0.025	0	119.6	90	110	04/13/2011
Cyanide		0.007	S	0.028	0.025	0	113.0	90	110	04/13/2011
Cyanide		0.01		0.03	0.02	0	113.0	85	115	04/13/2011

Batch R148078		SampType: MS		Units mg/Kg-dry						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.55		1.78	1.38	0.2831	108.5	75	125	04/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 9012A (TOTAL)

Batch R148078		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide		0.56		1.69	1.39	0.2831	101.3	1.778	4.88	04/13/2011

Batch R148190		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		< 0.007						04/15/2011
Cyanide		0.007		< 0.007						04/15/2011
Cyanide		0.007		< 0.007						04/15/2011
Cyanide		0.007		< 0.007						04/15/2011

Batch R148190		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.008	S	0.028	0.025	0	112.9	90	110	04/15/2011
Cyanide		0.008		0.028	0.025	0	112.9	85	115	04/15/2011
Cyanide		0.007		0.028	0.025	0	113.2	85	115	04/15/2011
Cyanide		0.007		0.029	0.025	0	114.9	85	115	04/15/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67359		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	04/14/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	04/14/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	04/14/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	04/14/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	04/14/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	04/14/2011

Batch 67359		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		1.96	2.00	0	98.2	85	115	04/14/2011
Barium		0.0050		1.96	2.00	0	97.8	85	115	04/14/2011
Cadmium		0.0020		0.0501	0.0500	0	100.2	85	115	04/14/2011
Chromium		0.0100		0.200	0.200	0	100	85	115	04/14/2011
Selenium		0.0500		1.94	2.00	0	96.9	85	115	04/14/2011

Batch 67359		SampType: MS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		1.93	2.00	0	96.5	75	125	04/14/2011
Barium		0.0050		2.18	2.00	0.4145	88.5	75	125	04/14/2011
Cadmium		0.0020		0.0456	0.0500	0	91.2	75	125	04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 67359 **SampType:** MS **Units mg/L**
SampID: 11040587-002CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium	0.0100		0.196	0.200	0.01050	92.7	75	125	04/14/2011
Selenium	0.0500		1.92	2.00	0	96.2	75	125	04/14/2011

Batch 67359 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11040587-002CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		1.94	2.00	0	97.2	1.930	0.77	04/14/2011
Barium	0.0050		2.20	2.00	0.4145	89.5	2.185	0.91	04/14/2011
Cadmium	0.0020		0.0465	0.0500	0	93.0	0.04560	1.95	04/14/2011
Chromium	0.0100		0.197	0.200	0.01050	93.4	0.1959	0.71	04/14/2011
Selenium	0.0500		1.91	2.00	0	95.6	1.924	0.63	04/14/2011

Batch 67430 **SampType:** MBLK **Units mg/L**
SampID: MB-67430

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/18/2011
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/18/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/18/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/18/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/18/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/18/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/18/2011

Batch 67430 **SampType:** LCS **Units mg/L**
SampID: LCS-67430

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.03	2.00	0	101.5	85	115	04/18/2011
Arsenic	0.0250		2.03	2.00	0	101.4	85	115	04/18/2011
Barium	0.0050		2.00	2.00	0	100	85	115	04/18/2011
Cadmium	0.0020		0.0512	0.0500	0	102.4	85	115	04/18/2011
Chromium	0.0100		0.218	0.200	0	109.1	85	115	04/18/2011
Selenium	0.0500		2.05	2.00	0	102.6	85	115	04/18/2011
Silver	0.0100		0.0534	0.0500	0	106.8	85	115	04/18/2011

Batch 67430 **SampType:** MS **Units mg/L**
SampID: 11040587-002CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Silver	0.0100		0.0482	0.0500	0	96.4	75	125	04/18/2011

Batch 67430 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11040587-002CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Silver	0.0100		0.0488	0.0500	0	97.6	0.04820	1.24	04/18/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67358		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-67358										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	04/15/2011

Batch 67358		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-67358										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0140	0.0150	0	93.1	80	120	04/15/2011

Batch 67358		SampType: MS		Units mg/L						Date Analyzed
SampID: 11040587-002CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0114	0.0150	0	75.8	70	130	04/15/2011

Batch 67358		SampType: MSD		Units mg/L						RPD Limit 20	Date Analyzed
SampID: 11040587-002CMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	7421	0.0020		0.0118	0.0150	0	78.7	0.01137	3.73		04/15/2011

SW-846 3050B, 6010B, METALS BY ICP

Batch 67372		SampType: MBLK		Units mg/Kg-dry						Date Analyzed
SampID: MB-67372										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		2.50		< 2.50	2.50	0	0	-100	100	04/15/2011
Barium		0.50		< 0.50	0.50	0	0	-100	100	04/15/2011
Cadmium		0.20		< 0.20	0.20	0	0	-100	100	04/15/2011
Chromium		1.00		< 1.00	1.00	0	0	-100	100	04/15/2011
Lead		4.00		< 4.00	4.00	0	0	-100	100	04/15/2011
Silver		0.55		< 0.55	0.55	0	0	-100	100	04/15/2011

Batch 67372		SampType: LCS		Units mg/Kg-dry						Date Analyzed
SampID: LCS-67372										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		2.50		198	200	0	99.2	85	115	04/15/2011
Barium		0.50		195	200	0	97.6	85	115	04/15/2011
Cadmium		0.20		4.97	5.00	0	99.4	85	115	04/15/2011
Chromium		1.00		20.7	20.0	0	103.6	85	115	04/15/2011
Lead		4.00		50.1	50.0	0	100.2	85	115	04/15/2011
Silver		0.55		4.53	5.00	0	90.6	85	115	04/15/2011

Batch 67372		SampType: MS		Units mg/Kg-dry						Date Analyzed
SampID: 11040587-001AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		2.40		196	192	7.279	98.1	75	125	04/15/2011
Barium		0.48		183	192	17.34	86.1	75	125	04/15/2011
Cadmium		0.19		4.39	4.81	0.2500	86.2	75	125	04/15/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3050B, 6010B, METALS BY ICP

Batch 67372		SampType: MS		Units mg/Kg-dry						
SampID: 11040587-001AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium	0.96		34.3	19.2	14.96	100.4	75	125	04/15/2011	
Lead	3.85		53.2	48.1	9.481	90.9	75	125	04/15/2011	
Silver	0.53		4.43	4.81	0	92.2	75	125	04/15/2011	

Batch 67372		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 11040587-001AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic	2.40		187	192	7.279	93.4	196.0	4.77	04/15/2011	
Barium	0.48		177	192	17.34	82.8	182.9	3.53	04/15/2011	
Cadmium	0.19		4.36	4.81	0.2500	85.4	4.394	0.88	04/15/2011	
Chromium	0.96		32.9	19.2	14.96	93.2	34.26	4.12	04/15/2011	
Lead	3.85		52.1	48.1	9.481	88.6	53.18	2.06	04/15/2011	
Silver	0.53		4.12	4.81	0	85.8	4.433	7.19	04/15/2011	

SW-846 3050B, METALS BY GFAA

Batch 67371		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-67371										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600		< 0.600	0.600	0	0	-100	100	04/16/2011
Selenium	7740	0.600		< 0.600	0.600	0	0	-100	100	04/14/2011

Batch 67371		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-67371										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600		2.71	3.00	0	90.2	80	120	04/16/2011
Selenium	7740	0.600		3.08	3.00	0	102.7	80	120	04/14/2011

Batch 67371		SampType: MS		Units mg/Kg-dry						
SampID: 11040587-001AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600		2.97	3.00	0	99.0	70	130	04/14/2011

Batch 67371		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 11040587-001AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium	7740	0.600		3.23	3.00	0	107.6	2.970	8.33	04/14/2011

SW-846 7470A (TOTAL)

Batch 67403		SampType: MBLK		Units mg/L						
SampID: MB-67403										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	04/15/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 7470A (TOTAL)

Batch 67403		SampType: LCS		Units mg/L							
SampID: LCS-67403											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00498	0.00500	0	99.6	85	115	04/15/2011	

Batch 67403		SampType: MS		Units mg/L						
SampID: 11040587-002CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00475	0.00500	0	95.0	75	125	04/15/2011

Batch 67403		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 11040587-002CMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.00020		0.00496	0.00500	0	99.2	0.004750	4.33	04/15/2011	

SW-846 7471A

Batch 67376		SampType: MBLK		Units mg/Kg							
SampID: MB-67376											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.010		< 0.010	0.010	0	0	-100	100	04/15/2011	

Batch 67376		SampType: LCS		Units mg/Kg						
SampID: LCS-67376										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.010		0.260	0.250	0	104.2	85	115	04/15/2011

Batch 67376		SampType: MS		Units mg/Kg-dry							
SampID: 11040587-001AMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.011		0.315	0.278	0.007793	110.2	75	125	04/15/2011	

Batch 67376		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		
SampID: 11040587-001AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.011		0.313	0.278	0.007793	109.6	0.3145	0.53	04/15/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	67363	SampType:	MBLK	Units mg/L						
SampID: MB-67363										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						04/14/2011	
Acenaphthylene	0.00010		ND						04/14/2011	
Anthracene	0.00010		ND						04/14/2011	
Benzo(a)anthracene	0.00010		ND						04/14/2011	
Benzo(a)pyrene	0.00010		ND						04/14/2011	
Benzo(b)fluoranthene	0.00010		ND						04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67363		SampType: MBLK		Units mg/L						
SampID: MB-67363										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(g,h,i)perylene	0.00010		ND						04/14/2011	
Benzo(k)fluoranthene	0.00010		ND						04/14/2011	
Chrysene	0.00010		ND						04/14/2011	
Dibenzo(a,h)anthracene	0.00010		ND						04/14/2011	
Fluoranthene	0.00010		ND						04/14/2011	
Fluorene	0.00010		ND						04/14/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/14/2011	
Naphthalene	0.00010		ND						04/14/2011	
Phenanthrene	0.00010		ND						04/14/2011	
Pyrene	0.00010		ND						04/14/2011	
Surr: 2-Fluorobiphenyl			0.00335	0.00500		67.0	45.4	97.6	04/14/2011	
Surr: 2-Fluorophenol			0.00396	0.0100		39.6	24.9	63.7	04/14/2011	
Surr: Nitrobenzene-d5			0.00428	0.00500		85.6	45.2	108	04/14/2011	
Surr: Phenol-d5			0.00258	0.0100		25.8	15.5	39.5	04/14/2011	
Surr: p-Terphenyl-d14			0.00312	0.00500		62.4	45.5	118	04/14/2011	

Batch 67363		SampType: LCS		Units mg/L						
SampID: LCS-67363										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00388	0.00500	0	77.6	50.1	103	04/14/2011	
Acenaphthylene	0.00010		0.00390	0.00500	0	78.0	53.3	122	04/14/2011	
Anthracene	0.00010		0.00364	0.00500	0	72.8	57.4	110	04/14/2011	
Benzo(a)anthracene	0.00010		0.00357	0.00500	0	71.4	56	102	04/14/2011	
Benzo(a)pyrene	0.00010		0.00377	0.00500	0	75.4	55.4	125	04/14/2011	
Benzo(b)fluoranthene	0.00010		0.00375	0.00500	0	75.0	59.3	127	04/14/2011	
Benzo(g,h,i)perylene	0.00010		0.00369	0.00500	0	73.8	58.4	125	04/14/2011	
Benzo(k)fluoranthene	0.00010		0.00359	0.00500	0	71.8	61.5	125	04/14/2011	
Chrysene	0.00010		0.00371	0.00500	0	74.2	58.7	118	04/14/2011	
Dibenzo(a,h)anthracene	0.00010		0.00377	0.00500	0	75.4	59.3	126	04/14/2011	
Fluoranthene	0.00010		0.00394	0.00500	0	78.8	60.1	117	04/14/2011	
Fluorene	0.00010		0.00386	0.00500	0	77.2	54.1	110	04/14/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00373	0.00500	0	74.6	58.1	123	04/14/2011	
Naphthalene	0.00010		0.00374	0.00500	0	74.8	36.3	97.1	04/14/2011	
Phenanthrene	0.00010		0.00390	0.00500	0	78.0	55.9	107	04/14/2011	
Pyrene	0.00010		0.00398	0.00500	0	79.6	61.4	116	04/14/2011	
Surr: 2-Fluorobiphenyl			0.00331	0.00500		66.2	45.4	97.6	04/14/2011	
Surr: 2-Fluorophenol			0.00363	0.0100		36.3	24.9	63.7	04/14/2011	
Surr: Nitrobenzene-d5			0.00410	0.00500		82.0	45.2	108	04/14/2011	
Surr: Phenol-d5			0.00251	0.0100		25.1	15.5	39.5	04/14/2011	
Surr: p-Terphenyl-d14			0.00269	0.00500		53.8	45.5	118	04/14/2011	

Batch 67363		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67363										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Acenaphthene	0.00010		0.00402	0.00500	0	80.4	0.003880	3.54	04/14/2011	
Acenaphthylene	0.00010		0.00406	0.00500	0	81.2	0.003900	4.02	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67363		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67363										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Anthracene	0.00010		0.00380	0.00500	0	76.0	0.003640	4.30		04/14/2011
Benzo(a)anthracene	0.00010		0.00408	0.00500	0	81.6	0.003570	13.33		04/14/2011
Benzo(a)pyrene	0.00010		0.00449	0.00500	0	89.8	0.003770	17.43		04/14/2011
Benzo(b)fluoranthene	0.00010		0.00443	0.00500	0	88.6	0.003750	16.63		04/14/2011
Benzo(g,h,i)perylene	0.00010		0.00454	0.00500	0	90.8	0.003690	20.66		04/14/2011
Benzo(k)fluoranthene	0.00010		0.00442	0.00500	0	88.4	0.003590	20.72		04/14/2011
Chrysene	0.00010		0.00426	0.00500	0	85.2	0.003710	13.80		04/14/2011
Dibenzo(a,h)anthracene	0.00010		0.00457	0.00500	0	91.4	0.003770	19.18		04/14/2011
Fluoranthene	0.00010		0.00430	0.00500	0	86.0	0.003940	8.74		04/14/2011
Fluorene	0.00010		0.00407	0.00500	0	81.4	0.003860	5.30		04/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00454	0.00500	0	90.8	0.003730	19.59		04/14/2011
Naphthalene	0.00010		0.00385	0.00500	0	77.0	0.003740	2.90		04/14/2011
Phenanthrene	0.00010		0.00408	0.00500	0	81.6	0.003900	4.51		04/14/2011
Pyrene	0.00010		0.00429	0.00500	0	85.8	0.003980	7.50		04/14/2011
Surr: 2-Fluorobiphenyl			0.00394	0.00500		78.8				04/14/2011
Surr: 2-Fluorophenol			0.00428	0.0100		42.8				04/14/2011
Surr: Nitrobenzene-d5			0.00438	0.00500		87.6				04/14/2011
Surr: Phenol-d5			0.00289	0.0100		28.9				04/14/2011
Surr: p-Terphenyl-d14			0.00353	0.00500		70.6				04/14/2011

SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID

Batch 67365		SampType: MBLK		Units mg/Kg						
SampID: MB-67365										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Diesel		5.00		ND						04/14/2011
Kerosene		5.00		ND						04/14/2011
Mineral Spirits		5.00		ND						04/14/2011
Motor Oil		5.00		ND						04/14/2011
Surr: n-Tetracontane				0.50	0.67		75.3	54.8	128	04/14/2011

Batch 67365		SampType: LCS		Units mg/Kg						
SampID: LCS-67365										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Diesel	5.00		14.3	16.7	0	85.7	40.4	121	04/14/2011	
Surr: n-Tetracontane			0.57	0.67		85.2	54.8	128	04/14/2011	

Batch 67365		SampType: MS		Units mg/Kg-dry						
SampID: 11040587-001AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Diesel	5.52		19.8	18.4	0	107.5	20.3	167	04/14/2011	
Surr: n-Tetracontane			0.65	0.74		87.6	53.9	153	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID

Batch 67365		SampType: MSD		Units mg/Kg-dry				RPD Limit 34		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Diesel		5.58		18.5	18.6	0	99.2	19.82	6.97	04/14/2011
Surr: n-Tetracontane				0.63	0.75		84.4			04/14/2011

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67335		SampType: MBLK		Units %REC						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Surr: 2-Fluorobiphenyl				0.522	0.835		62.6	46.3	106	04/14/2011
Surr: p-Terphenyl-d14				0.810	0.835		97.0	45.5	115	04/14/2011

Batch 67335		SampType: LCS		Units %REC						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Surr: 2-Fluorobiphenyl				0.566	0.835		67.8	46.3	106	04/14/2011
Surr: p-Terphenyl-d14				0.776	0.835		93.0	45.5	115	04/14/2011

Batch 67335		SampType: LCS		Units %REC						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Surr: 2-Fluorobiphenyl				0.525	0.835		62.9	46.3	106	04/14/2011
Surr: p-Terphenyl-d14				0.783	0.835		93.8	45.5	115	04/14/2011

Batch 67364		SampType: MBLK		Units mg/Kg						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Acenaphthene		0.003		ND						04/14/2011
Acenaphthylene		0.003		ND						04/14/2011
Anthracene		0.003		ND						04/14/2011
Benzo(a)anthracene		0.003		ND						04/14/2011
Benzo(a)pyrene		0.003		ND						04/14/2011
Benzo(b)fluoranthene		0.003		ND						04/14/2011
Benzo(g,h,i)perylene		0.003		ND						04/14/2011
Benzo(k)fluoranthene		0.003		ND						04/14/2011
Bis(2-ethylhexyl)phthalate		0.067		ND						04/14/2011
Chrysene		0.003		ND						04/14/2011
Dibenzo(a,h)anthracene		0.003		ND						04/14/2011
Fluoranthene		0.003		ND						04/14/2011
Fluorene		0.003		ND						04/14/2011
Indeno(1,2,3-cd)pyrene		0.003		ND						04/14/2011
Naphthalene		0.003		ND						04/14/2011
Phenanthrene		0.003		ND						04/14/2011
Pyrene		0.003		ND						04/14/2011
Surr: 2-Fluorobiphenyl				0.103	0.167		61.7	45.7	89.2	04/14/2011
Surr: Nitrobenzene-d5				0.111	0.167		66.5	31.4	100	04/14/2011
Surr: p-Terphenyl-d14				0.114	0.167		68.3	53.3	124	04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67364 **SampType:** MBLK **Units mg/Kg**
SampID: MB-67364

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch 67364 **SampType:** LCS **Units mg/Kg**
SampID: LCS-67364

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.003		0.122	0.167	0	73.3	56.3	115	04/14/2011
Acenaphthylene	0.003		0.120	0.167	0	71.7	60.3	143	04/14/2011
Anthracene	0.003		0.113	0.167	0	67.9	52.1	109	04/14/2011
Benzo(a)anthracene	0.003		0.122	0.167	0	73.1	52.8	112	04/14/2011
Benzo(a)pyrene	0.003		0.130	0.167	0	77.6	40.8	127	04/14/2011
Benzo(b)fluoranthene	0.003		0.140	0.167	0	84.0	50.1	150	04/14/2011
Benzo(g,h,i)perylene	0.003		0.143	0.167	0	85.8	52.8	145	04/14/2011
Benzo(k)fluoranthene	0.003		0.138	0.167	0	82.8	52	153	04/14/2011
Bis(2-ethylhexyl)phthalate	0.067		0.163	0.167	0	97.6	50	150	04/14/2011
Chrysene	0.003		0.127	0.167	0	76.2	60.8	128	04/14/2011
Dibenzo(a,h)anthracene	0.003		0.146	0.167	0	87.6	54.9	150	04/14/2011
Fluoranthene	0.003		0.128	0.167	0	76.8	58.7	125	04/14/2011
Fluorene	0.003		0.124	0.167	0	74.3	57.8	125	04/14/2011
Indeno(1,2,3-cd)pyrene	0.003		0.145	0.167	0	86.8	52	147	04/14/2011
Naphthalene	0.003		0.116	0.167	0	69.7	54.8	113	04/14/2011
Phenanthrene	0.003		0.122	0.167	0	73.1	60.4	121	04/14/2011
Pyrene	0.003		0.131	0.167	0	78.4	57.9	129	04/14/2011
Surr: 2-Fluorobiphenyl			0.110	0.167		65.9	45.7	89.2	04/14/2011
Surr: Nitrobenzene-d5			0.125	0.167		75.0	31.4	100	04/14/2011
Surr: p-Terphenyl-d14			0.125	0.167		74.9	53.3	124	04/14/2011

Batch 67364 **SampType:** MS **Units mg/Kg-dry**
SampID: 11040587-001AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.004		0.131	0.185	0	70.9	36	135	04/14/2011
Acenaphthylene	0.004		0.130	0.185	0	70.5	17.2	167	04/14/2011
Anthracene	0.004		0.119	0.185	0	64.5	39.3	124	04/14/2011
Benzo(a)anthracene	0.004		0.131	0.185	0.003319	69.1	10	183	04/14/2011
Benzo(a)pyrene	0.004		0.144	0.185	0	77.8	10	204	04/14/2011
Benzo(b)fluoranthene	0.004		0.151	0.185	0	81.6	10.6	178	04/14/2011
Benzo(g,h,i)perylene	0.004		0.156	0.185	0	84.2	10	168	04/14/2011
Benzo(k)fluoranthene	0.004		0.130	0.185	0	70.5	27.6	181	04/14/2011
Bis(2-ethylhexyl)phthalate	0.074		0.182	0.185	0	98.6	50	150	04/14/2011
Chrysene	0.004		0.135	0.185	0	73.1	10	176	04/14/2011
Dibenzo(a,h)anthracene	0.004		0.155	0.185	0	83.8	12.2	156	04/14/2011
Fluoranthene	0.004		0.130	0.185	0	70.5	10	227	04/14/2011
Fluorene	0.004		0.129	0.185	0	69.7	35.2	148	04/14/2011
Indeno(1,2,3-cd)pyrene	0.004		0.155	0.185	0	84.0	10	164	04/14/2011
Naphthalene	0.004		0.131	0.185	0.01881	60.9	14.7	128	04/14/2011
Phenanthrene	0.004		0.129	0.185	0.005532	66.7	32.8	143	04/14/2011
Pyrene	0.004		0.130	0.185	0	70.5	10	180	04/14/2011
Surr: 2-Fluorobiphenyl			0.087	0.185		47.3	10	131	04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67364		SampType: MS		Units mg/Kg-dry						
SampID: 11040587-001AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Surr: Nitrobenzene-d5			0.121	0.185		65.5	10	132	04/14/2011	
Surr: p-Terphenyl-d14			0.107	0.185		57.9	30.6	131	04/14/2011	

Batch 67364	SampType: MSD	Units mg/Kg-dry						RPD Limit 49.7		
SampID: 11040587-001AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Acenaphthene	0.004		0.127	0.186	0	68.1	0.1309	3.39	04/15/2011	
Acenaphthylene	0.004		0.127	0.186	0	68.3	0.1301	2.53	04/15/2011	
Anthracene	0.004		0.116	0.186	0	62.7	0.1191	2.19	04/15/2011	
Benzo(a)anthracene	0.004		0.127	0.186	0.003319	66.3	0.1309	3.39	04/15/2011	
Benzo(a)pyrene	0.004		0.139	0.186	0	75.0	0.1438	3.02	04/15/2011	
Benzo(b)fluoranthene	0.004		0.144	0.186	0	77.4	0.1508	4.64	04/15/2011	
Benzo(g,h,i)perylene	0.004		0.150	0.186	0	80.6	0.1556	3.73	04/15/2011	
Benzo(k)fluoranthene	0.004		0.136	0.186	0	73.3	0.1301	4.52	04/15/2011	
Bis(2-ethylhexyl)phthalate	0.075		0.173	0.186	0	92.8	0.1821	5.42	04/15/2011	
Chrysene	0.004		0.130	0.186	0	69.9	0.1349	3.84	04/15/2011	
Dibenzo(a,h)anthracene	0.004		0.150	0.186	0	80.6	0.1548	3.25	04/15/2011	
Fluoranthene	0.004		0.127	0.186	0	68.3	0.1301	2.53	04/15/2011	
Fluorene	0.004		0.127	0.186	0	68.3	0.1287	1.39	04/15/2011	
Indeno(1,2,3-cd)pyrene	0.004		0.150	0.186	0	80.8	0.1552	3.24	04/15/2011	
Naphthalene	0.004		0.129	0.186	0.01881	59.3	0.1312	1.64	04/15/2011	
Phenanthrene	0.004		0.127	0.186	0.005532	65.3	0.1287	1.39	04/15/2011	
Pyrene	0.004		0.131	0.186	0	70.7	0.1301	0.91	04/15/2011	
Surr: 2-Fluorobiphenyl			0.087	0.186		46.9			04/15/2011	
Surr: Nitrobenzene-d5			0.121	0.186		65.3			04/15/2011	
Surr: p-Terphenyl-d14			0.110	0.186		59.1			04/15/2011	

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67335		SampType: MBLK		Units mg/Kg							
SampID: MB-67335											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
1,2,4-Trichlorobenzene	0.500		ND						04/14/2011		
1,2-Dichlorobenzene	0.500		ND						04/14/2011		
1,3-Dichlorobenzene	0.500		ND						04/14/2011		
1,4-Dichlorobenzene	0.500		ND						04/14/2011		
2,4,5-Trichlorophenol	0.350		ND						04/14/2011		
2,4,6-Trichlorophenol	0.350		ND						04/14/2011		
2,4-Dichlorophenol	0.500		ND						04/14/2011		
2,4-Dimethylphenol	0.500		ND						04/14/2011		
2,4-Dinitrophenol	1.00		ND						04/14/2011		
2,4-Dinitrotoluene	0.350		ND						04/14/2011		
2,6-Dinitrotoluene	0.350		ND						04/14/2011		
2-Chloronaphthalene	0.350		ND						04/14/2011		
2-Chlorophenol	0.500		ND						04/14/2011		
2-Methoxy-4-methylphenol	0.650		ND						04/14/2011		
2-Methylnaphthalene	0.350		ND						04/14/2011		

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67335		SampType: MBLK		Units mg/Kg							
SampID: MB-67335											Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed	
2-Nitroaniline	1.00		ND							04/14/2011	
2-Nitrophenol	0.350		ND							04/14/2011	
3,3´-Dichlorobenzidine	0.350		ND							04/14/2011	
3-Nitroaniline	1.00		ND							04/14/2011	
4,6-Dinitro-2-methylphenol	1.00		ND							04/14/2011	
4-Bromophenyl phenyl ether	0.350		ND							04/14/2011	
4-Chloro-3-methylphenol	0.500		ND							04/14/2011	
4-Chloroaniline	0.500		ND							04/14/2011	
4-Chlorophenyl phenyl ether	0.350		ND							04/14/2011	
4-Nitroaniline	0.500		ND							04/14/2011	
4-Nitrophenol	0.350		ND							04/14/2011	
Aniline	0.500		ND							04/14/2011	
Azobenzene	0.350		ND							04/14/2011	
Benzidine	1.06		ND							04/14/2011	
Benzoic acid	1.50		ND							04/14/2011	
Benzyl alcohol	0.500		ND							04/14/2011	
Bis(2-chloroethoxy)methane	0.350		ND							04/14/2011	
Bis(2-chloroethyl)ether	0.500		ND							04/14/2011	
Bis(2-chloroisopropyl)ether	0.350		ND							04/14/2011	
Butyl benzyl phthalate	0.350		ND							04/14/2011	
Carbazole	0.500		ND							04/14/2011	
Dibenzofuran	0.350		ND							04/14/2011	
Diethyl phthalate	0.500		ND							04/14/2011	
Dimethyl phthalate	0.350		ND							04/14/2011	
Di-n-butyl phthalate	0.350		ND							04/14/2011	
Di-n-octyl phthalate	0.350		ND							04/14/2011	
Hexachlorobenzene	0.350		ND							04/14/2011	
Hexachlorobutadiene	0.500		ND							04/14/2011	
Hexachlorocyclopentadiene	0.350		ND							04/14/2011	
Hexachloroethane	0.500		ND							04/14/2011	
Isophorone	0.350		ND							04/14/2011	
m,p-Cresol	0.500		ND							04/14/2011	
Nitrobenzene	0.500		ND							04/14/2011	
N-Nitrosodimethylamine	0.500		ND							04/14/2011	
N-Nitroso-di-n-propylamine	0.500		ND							04/14/2011	
N-Nitrosodiphenylamine	0.500		ND							04/14/2011	
o-Cresol	0.500		ND							04/14/2011	
Pentachlorophenol	2.00		ND							04/14/2011	
Phenol	0.350		ND							04/14/2011	
Pyridine	0.500		ND							04/14/2011	
1,2-Diphenylhydrazine	0.840		ND							04/14/2011	
Surr: 2,4,6-Tribromophenol			1.67	1.67		100.1	52.1	113		04/14/2011	
Surr: 2-Fluorobiphenyl			0.748	0.835		89.6	46.3	106		04/14/2011	
Surr: 2-Fluorophenol			1.15	1.67		69.1	50.6	89		04/14/2011	
Surr: Nitrobenzene-d5			0.495	0.835		59.3	42.4	99.2		04/14/2011	
Surr: Nitrobenzene-d5			0.597	0.835		71.5	42.4	99.2		04/14/2011	
Surr: Phenol-d5			1.19	1.67		71.5	55.9	98.5		04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67335 **SampType:** MBLK **Units mg/Kg**

SampID: MB-67335

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: p-Terphenyl-d14			0.774	0.835		92.7	45.5	115	04/14/2011

Batch 67335 **SampType:** LCS **Units mg/Kg**

SampID: LCS-67335

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,2,4-Trichlorobenzene	0.500		1.34	1.67	0	79.9	43.9	92.2	04/14/2011
1,4-Dichlorobenzene	0.500		1.04	1.67	0	62.1	43.8	84.1	04/14/2011
2,4,5-Trichlorophenol	0.350		2.87	3.33	0	86.3	38.6	123	04/14/2011
2,4,6-Trichlorophenol	0.350		2.84	3.33	0	85.2	35.9	123	04/14/2011
2,4-Dimethylphenol	0.500		2.04	3.33	0	61.4	38.3	88	04/14/2011
2,4-Dinitrophenol	1.00		2.25	3.33	0	67.6	1.88	162	04/14/2011
2,4-Dinitrotoluene	0.350		1.35	1.67	0	80.7	48.6	102	04/14/2011
2-Chlorophenol	0.500		2.05	3.33	0	61.5	46.6	84	04/14/2011
4-Chloro-3-methylphenol	0.500		2.47	3.33	0	74.3	51.5	94.9	04/14/2011
4-Nitrophenol	0.350		2.34	3.33	0	70.3	53.2	104	04/14/2011
Diethyl phthalate	0.500		2.58	3.33	0	77.6	51.7	106	04/14/2011
Dimethyl phthalate	0.350		2.47	3.33	0	74.2	58.8	104	04/14/2011
Di-n-butyl phthalate	0.350		1.18	1.67	0	70.5	54.3	105	04/14/2011
Hexachlorobenzene	0.350		2.97	3.33	0	89.0	55.9	106	04/14/2011
Hexachlorobutadiene	0.500		2.77	3.33	0	83.1	35.7	100	04/14/2011
Hexachloroethane	0.500		1.89	3.33	0	56.8	38.9	89.9	04/14/2011
m,p-Cresol	0.500		1.10	1.67	0	65.6	37.6	93.7	04/14/2011
Nitrobenzene	0.500		2.18	3.33	0	65.4	51.8	104	04/14/2011
N-Nitroso-di-n-propylamine	0.500		1.04	1.67	0	62.2	49.1	94.5	04/14/2011
o-Cresol	0.500		1.11	1.67	0	66.7	43	101	04/14/2011
Pentachlorophenol	2.00		2.06	3.33	0	61.9	42.2	102	04/14/2011
Phenol	0.350		2.13	3.33	0	64.1	41.6	81.3	04/14/2011
Pyridine	0.500		1.48	3.33	0	44.4	3.61	74.3	04/14/2011
Surr: 2,4,6-Tribromophenol			1.67	1.67		100.3	52.1	113	04/14/2011
Surr: 2-Fluorobiphenyl			0.696	0.835		83.4	46.3	106	04/14/2011
Surr: 2-Fluorophenol			1.05	1.67		62.8	50.6	89	04/14/2011
Surr: Nitrobenzene-d5		S	0.849	0.835		101.7	42.4	99.2	04/14/2011
Surr: Nitrobenzene-d5			0.723	0.835		86.6	42.4	99.2	04/14/2011
Surr: Phenol-d5			1.13	1.67		67.5	55.9	98.5	04/14/2011
Surr: p-Terphenyl-d14			0.734	0.835		87.9	45.5	115	04/14/2011

Batch 67335 **SampType:** LCS **Units %REC**

SampID: LCSDRO-67335

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Nitrobenzene-d5			0.479	0.835		57.4	42.4	99.2	04/14/2011

Batch 67335 **SampType:** MS **Units mg/Kg-dry**

SampID: 11040587-001AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,2,4-Trichlorobenzene	0.557		1.62	1.86	0	87.1	35.9	102	04/14/2011
1,4-Dichlorobenzene	0.557		1.29	1.86	0	69.4	29.8	95.5	04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67335		SampType: MS		Units mg/Kg-dry						
SampID: 11040587-001AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
2,4,5-Trichlorophenol	0.390	J	3.00	3.71	0	80.8	38.6	123	04/14/2011	
2,4,6-Trichlorophenol	0.390		3.15	3.71	0	84.9	35.9	123	04/14/2011	
2,4-Dimethylphenol	0.557		2.53	3.71	0	68.2	38.3	88	04/14/2011	
2,4-Dinitrophenol	1.11		1.16	3.71	0	31.3	1.88	162	04/14/2011	
2,4-Dinitrotoluene	0.390		1.54	1.86	0	82.6	37.5	107	04/14/2011	
2-Chlorophenol	0.557		2.41	3.71	0	65.0	22.6	108	04/14/2011	
4-Chloro-3-methylphenol	0.557		2.80	3.71	0	75.6	19.3	131	04/14/2011	
4-Nitrophenol	0.390		2.32	3.71	0	62.5	27.6	123	04/14/2011	
Diethyl phthalate	0.557		2.87	3.71	0	77.4	51.7	106	04/14/2011	
Dimethyl phthalate	0.390		2.83	3.71	0	76.3	58.8	104	04/14/2011	
Di-n-butyl phthalate	0.390		1.36	1.86	0	73.1	54.3	105	04/14/2011	
Hexachlorobenzene	0.390		3.38	3.71	0	91.0	55.9	106	04/14/2011	
Hexachlorobutadiene	0.557		3.31	3.71	0	89.2	35.7	100	04/14/2011	
Hexachloroethane	0.557		2.36	3.71	0	63.6	38.9	89.9	04/14/2011	
m,p-Cresol	0.557		1.32	1.86	0	70.9	37.6	93.7	04/14/2011	
Nitrobenzene	0.557		2.60	3.71	0	70.0	51.8	104	04/14/2011	
N-Nitroso-di-n-propylamine	0.557		1.21	1.86	0	64.9	45.5	99.1	04/14/2011	
o-Cresol	0.557		1.33	1.86	0	71.5	43	101	04/14/2011	
Pentachlorophenol	2.23		1.5	3.71	0	40.5	18.5	113	04/14/2011	
Phenol	0.390		2.61	3.71	0	70.3	20.8	110	04/14/2011	
Pyridine	0.557	2.10	3.71	0	56.6	3.61	74.3	04/14/2011		
Surr: 2,4,6-Tribromophenol		1.65	1.86			88.4	32.7	130	04/14/2011	
Surr: 2-Fluorobiphenyl		0.773	0.930			83.1	34.1	116	04/14/2011	
Surr: 2-Fluorophenol		1.21	1.86			64.9	30.5	99	04/14/2011	
Surr: Nitrobenzene-d5		0.477	0.930			51.3	34.1	101	04/14/2011	
Surr: Phenol-d5		1.30	1.86			69.9	34.9	110	04/14/2011	
Surr: p-Terphenyl-d14		0.817	0.930			87.8	41.7	124	04/14/2011	

Batch 67335		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		
SampID: 11040587-001AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,2,4-Trichlorobenzene	0.556		1.60	1.86	0	86.2	1.620	1.26	04/14/2011	
1,4-Dichlorobenzene	0.556		1.30	1.86	0	70.2	1.291	0.93	04/14/2011	
2,4,5-Trichlorophenol	0.389		3.07	3.70	0	83.1	2.996	2.60	04/14/2011	
2,4,6-Trichlorophenol	0.389		3.23	3.70	0	87.2	3.149	2.51	04/14/2011	
2,4-Dimethylphenol	0.556		2.48	3.70	0	67.0	2.531	2.02	04/14/2011	
2,4-Dinitrophenol	1.11		1.16	3.70	0	31.3	1.162	0.31	04/14/2011	
2,4-Dinitrotoluene	0.389		1.54	1.86	0	83.0	1.537	0.19	04/14/2011	
2-Chlorophenol	0.556		2.52	3.70	0	68.0	2.413	4.19	04/14/2011	
4-Chloro-3-methylphenol	0.556		2.89	3.70	0	78.2	2.803	3.18	04/14/2011	
4-Nitrophenol	0.389		2.27	3.70	0	61.4	2.317	2.02	04/14/2011	
Diethyl phthalate	0.556		2.79	3.70	0	75.5	2.871	2.75	04/14/2011	
Dimethyl phthalate	0.389		2.83	3.70	0	76.4	2.829	0.01	04/14/2011	
Di-n-butyl phthalate	0.389		1.39	1.86	0	75.0	1.360	2.40	04/14/2011	
Hexachlorobenzene	0.389		3.45	3.70	0	93.2	3.376	2.12	04/14/2011	
Hexachlorobutadiene	0.556		3.19	3.70	0	86.1	3.310	3.77	04/14/2011	
Hexachloroethane	0.556		2.28	3.70	0	61.6	2.359	3.37	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67335		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		
SampID: 11040587-001AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
m,p-Cresol	0.556		1.36	1.86	0	73.2	1.319	2.95	04/14/2011	
Nitrobenzene	0.556		2.57	3.70	0	69.3	2.597	1.17	04/14/2011	
N-Nitroso-di-n-propylamine	0.556		1.24	1.86	0	66.5	1.207	2.31	04/14/2011	
o-Cresol	0.556		1.35	1.86	0	72.9	1.331	1.64	04/14/2011	
Pentachlorophenol	2.22	J	1.6	3.70	0	42.2	1.501	0.00	04/14/2011	
Phenol	0.389		2.51	3.70	0	67.7	2.609	3.99	04/14/2011	
Pyridine	0.556		2.19	3.70	0	59.2	2.101	4.17	04/14/2011	
Surr: 2,4,6-Tribromophenol			1.59	1.86		85.6			04/14/2011	
Surr: 2-Fluorobiphenyl			0.737	0.928		79.4			04/14/2011	
Surr: 2-Fluorophenol			1.19	1.86		64.0			04/14/2011	
Surr: Nitrobenzene-d5			0.468	0.928		50.4			04/14/2011	
Surr: Phenol-d5			1.27	1.86		68.5			04/14/2011	
Surr: p-Terphenyl-d14			0.803	0.928		86.5			04/14/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67463		SampType: MBLK		Units µg/L						
SampID: MBLK-R110415-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						04/15/2011
Ethylbenzene		5.0		ND						04/15/2011
Toluene		5.0		ND						04/15/2011
Xylenes, Total		5.0		ND						04/15/2011
Surr: 1,2-Dichloroethane-d4				49.8	50.0		99.7	74.7	129	04/15/2011
Surr: 4-Bromofluorobenzene				51.9	50.0		103.7	86	119	04/15/2011
Surr: Dibromofluoromethane				51.9	50.0		103.7	81.7	123	04/15/2011
Surr: Toluene-d8				48.9	50.0		97.7	84.3	114	04/15/2011

Batch 67463		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110415-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		46.9	50.0	0	93.9	48.13	2.52	04/15/2011
Ethylbenzene		5.0		48.2	50.0	0	96.3	48.93	1.61	04/15/2011
Toluene		5.0		48.7	50.0	0	97.4	49.63	1.91	04/15/2011
Xylenes, Total		5.0		147	150	0	97.7	150.6	2.71	04/15/2011
Surr: 1,2-Dichloroethane-d4				49.8	50.0		99.6			04/15/2011
Surr: 4-Bromofluorobenzene				51.7	50.0		103.4			04/15/2011
Surr: Dibromofluoromethane				52.6	50.0		105.3			04/15/2011
Surr: Toluene-d8				49.9	50.0		99.8			04/15/2011

Batch 67463		SampType: LCS		Units µg/L						
SampID: LCS-R110415-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		48.1	50.0	0	96.3	82.7	117	04/15/2011	
Ethylbenzene	5.0		48.9	50.0	0	97.9	83	113	04/15/2011	
Toluene	5.0		49.6	50.0	0	99.3	79.6	116	04/15/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67463 **SampType:** LCS **Units** µg/L

SampID: LCS-R110415-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Xylenes, Total	5.0		151	150	0	100.4	80.3	120	04/15/2011
Surr: 1,2-Dichloroethane-d4			49.3	50.0		98.6	74.7	129	04/15/2011
Surr: 4-Bromofluorobenzene			52.8	50.0		105.7	86	119	04/15/2011
Surr: Dibromofluoromethane			52.4	50.0		104.8	81.7	123	04/15/2011
Surr: Toluene-d8			49.5	50.0		99.0	84.3	114	04/15/2011

Batch 67463 **SampType:** MS **Units** µg/L

SampID: 11040587-002EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		75.2	46.0	36.01	85.2	57.8	125	04/15/2011
Ethylbenzene	5.0		44.6	46.0	2.270	91.9	72.8	123	04/15/2011
Toluene	5.0		56.6	46.0	15.18	90.0	75.8	123	04/15/2011
Xylenes, Total	5.0		93.6	92.0	7.790	93.2	73	127	04/15/2011
Surr: 1,2-Dichloroethane-d4			49.3	50.0		98.6	74.7	129	04/15/2011
Surr: 4-Bromofluorobenzene			51.7	50.0		103.4	86	119	04/15/2011
Surr: Dibromofluoromethane			51.3	50.0		102.6	81.7	123	04/15/2011
Surr: Toluene-d8			49.4	50.0		98.8	84.3	114	04/15/2011

Batch 67463 **SampType:** MSD **Units** µg/L

RPD Limit 20
SampID: 11040587-002EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		74.9	46.0	36.01	84.5	75.20	0.40	04/15/2011
Ethylbenzene	5.0		44.7	46.0	2.270	92.2	44.56	0.22	04/15/2011
Toluene	5.0		57.1	46.0	15.18	91.1	56.59	0.86	04/15/2011
Xylenes, Total	5.0		94.8	92.0	7.790	94.6	93.57	1.28	04/15/2011
Surr: 1,2-Dichloroethane-d4			49.2	50.0		98.5			04/15/2011
Surr: 4-Bromofluorobenzene			51.4	50.0		102.8			04/15/2011
Surr: Dibromofluoromethane			51.5	50.0		102.9			04/15/2011
Surr: Toluene-d8			49.5	50.0		99.0			04/15/2011

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67389 **SampType:** MBLK **Units** µg/Kg

SampID: MBLK-G110414-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	5.00		ND						04/14/2011
1,1,1-Trichloroethane	5.00		ND						04/14/2011
1,1,2,2-Tetrachloroethane	5.00		ND						04/14/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		ND						04/14/2011
1,1,2-Trichloroethane	5.00		ND						04/14/2011
1,1-Dichloro-2-propanone	50.0		ND						04/14/2011
1,1-Dichloroethane	5.00		ND						04/14/2011
1,1-Dichloroethene	5.00		ND						04/14/2011
1,1-Dichloropropene	5.00		ND						04/14/2011
1,2,3-Trichlorobenzene	5.00		ND						04/14/2011
1,2,3-Trichloropropane	10.0		ND						04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67389		SampType: MBLK		Units µg/Kg							Date Analyzed
SampID: MBLK-G110414-1											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
1,2,3-Trimethylbenzene	5.00		ND								
1,2,4-Trichlorobenzene	5.00		ND								
1,2,4-Trimethylbenzene	5.00		ND								
1,2-Dibromo-3-chloropropane	5.00		ND								
1,2-Dibromoethane	5.00		ND								
1,2-Dichlorobenzene	5.00		ND								
1,2-Dichloroethane	5.00		ND								
1,2-Dichloropropane	5.00		ND								
1,3,5-Trimethylbenzene	5.00		ND								
1,3-Dichlorobenzene	5.00		ND								
1,3-Dichloropropane	5.00		ND								
1,4-Dichlorobenzene	5.00		ND								
1-Chlorobutane	5.00		ND								
2,2-Dichloropropane	5.00		ND								
2-Butanone	50.0		ND								
2-Chlorotoluene	5.00		ND								
2-Hexanone	50.0		ND								
2-Nitropropane	50.0		ND								
4-Chlorotoluene	5.00		ND								
4-Methyl-2-pentanone	50.0		ND								
Acetone	50.0	J	12								
Acetonitrile	100		ND								
Acrolein	100		ND								
Acrylonitrile	10.0		ND								
Allyl chloride	5.00		ND								
Benzene	1.00		ND								
Bromobenzene	5.00		ND								
Bromochloromethane	5.00		ND								
Bromodichloromethane	5.00		ND								
Bromoform	5.00		ND								
Bromomethane	10.0		ND								
Carbon disulfide	5.00		ND								
Carbon tetrachloride	5.00		ND								
Chlorobenzene	5.00		ND								
Chloroethane	10.0		ND								
Chloroform	5.00		ND								
Chloromethane	10.0		ND								
cis-1,2-Dichloroethene	5.00		ND								
cis-1,3-Dichloropropene	4.00		ND								
Cyclohexanone	100		ND								
Dibromochloromethane	5.00		ND								
Dibromomethane	5.00		ND								
Dichlorodifluoromethane	10.0		ND								
Ethyl acetate	50.0		ND								
Ethyl ether	5.00		ND								
Ethyl methacrylate	5.00		ND								
Ethylbenzene	5.00		ND								

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67389	SampType: MBLK	Units µg/Kg								
SampID: MBLK-G110414-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Heptane	20.0		ND						04/14/2011	
Hexachlorobutadiene	5.00		ND						04/14/2011	
Hexachloroethane	5.00		ND						04/14/2011	
Iodomethane	10.0		ND						04/14/2011	
Isopropylbenzene	5.00		ND						04/14/2011	
m,p-Xylenes	5.00		ND						04/14/2011	
Methacrylonitrile	50.0		ND						04/14/2011	
Methyl Methacrylate	5.00		ND						04/14/2011	
Methyl tert-butyl ether	2.00		ND						04/14/2011	
Methylacrylate	10.0		ND						04/14/2011	
Methylene chloride	5.00		ND						04/14/2011	
Naphthalene	10.0		ND						04/14/2011	
n-Butylbenzene	5.00		ND						04/14/2011	
n-Hexane	20.0		ND						04/14/2011	
Nitrobenzene	100		ND						04/14/2011	
n-Propylbenzene	5.00		ND						04/14/2011	
o-Xylene	5.00		ND						04/14/2011	
Pentachloroethane	5.00		ND						04/14/2011	
p-Isopropyltoluene	5.00		ND						04/14/2011	
Propionitrile	50.0		ND						04/14/2011	
sec-Butylbenzene	5.00		ND						04/14/2011	
Styrene	5.00		ND						04/14/2011	
tert-Butylbenzene	5.00		ND						04/14/2011	
Tetrachloroethene	5.00		ND						04/14/2011	
Tetrahydrofuran	50.0		ND						04/14/2011	
Toluene	5.00	J	1.1						04/14/2011	
trans-1,2-Dichloroethene	5.00		ND						04/14/2011	
trans-1,3-Dichloropropene	4.00		ND						04/14/2011	
trans-1,4-Dichloro-2-butene	10.0		ND						04/14/2011	
Trichloroethene	5.00		ND						04/14/2011	
Trichlorofluoromethane	5.00		ND						04/14/2011	
Vinyl acetate	50.0		ND						04/14/2011	
Vinyl chloride	2.00		ND						04/14/2011	
Xylenes, Total	5.00		ND						04/14/2011	
Gasoline Range Organics (OA-1)	1000		ND						04/14/2011	
Surr: 1,2-Dichloroethane-d4			58.8	50.0		117.6	72.2	131	04/14/2011	
Surr: 4-Bromofluorobenzene			50.5	50.0		101.0	82.1	116	04/14/2011	
Surr: Dibromofluoromethane			48.0	50.0		96.1	77.7	120	04/14/2011	
Surr: Toluene-d8			56.9	50.0		113.8	86	116	04/14/2011	

Batch 67389		SampType: LCSD		Units µg/Kg				RPD Limit 40		
SampID: LCSD-G110414-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane		5.00		49.3	50.0	0	98.7	48.67	1.35	04/14/2011
1,1,1-Trichloroethane		5.00		45.5	50.0	0	91.0	45.46	0.13	04/14/2011
1,1,2,2-Tetrachloroethane		5.00		49.1	50.0	0	98.3	48.04	2.26	04/14/2011
1,1,2-Trichloro-1,2,2-trifluoroethane		5.00		36.4	50.0	0	72.8	37.57	3.11	04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67389		SampType: LCSD		Units µg/Kg				RPD Limit 40		
SampID: LCSD-G110414-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,1,2-Trichloroethane	5.00		49.4	50.0	0	98.9	49.14	0.59	04/14/2011	
1,1-Dichloro-2-propanone	50.0		119	125	0	95.2	119.8	0.68	04/14/2011	
1,1-Dichloroethane	5.00		45.5	50.0	0	90.9	45.64	0.40	04/14/2011	
1,1-Dichloroethene	5.00		34.4	50.0	0	68.8	35.12	2.04	04/14/2011	
1,1-Dichloropropene	5.00		44.6	50.0	0	89.2	44.49	0.29	04/14/2011	
1,2,3-Trichlorobenzene	5.00		45.3	50.0	0	90.6	47.48	4.66	04/14/2011	
1,2,3-Trichloropropane	10.0		49.2	50.0	0	98.3	48.00	2.39	04/14/2011	
1,2,3-Trimethylbenzene	5.00		49.9	50.0	0	99.8	49.39	0.99	04/14/2011	
1,2,4-Trichlorobenzene	5.00		46.0	50.0	0	92.1	48.02	4.21	04/14/2011	
1,2,4-Trimethylbenzene	5.00		48.8	50.0	0	97.6	48.38	0.86	04/14/2011	
1,2-Dibromo-3-chloropropane	5.00		44.4	50.0	0	88.7	44.79	0.96	04/14/2011	
1,2-Dibromoethane	5.00		51.3	50.0	0	102.7	50.94	0.78	04/14/2011	
1,2-Dichlorobenzene	5.00		45.9	50.0	0	91.9	45.68	0.57	04/14/2011	
1,2-Dichloroethane	5.00		49.9	50.0	0	99.8	50.18	0.58	04/14/2011	
1,2-Dichloropropane	5.00		47.2	50.0	0	94.4	47.50	0.63	04/14/2011	
1,3,5-Trimethylbenzene	5.00		48.6	50.0	0	97.2	48.12	1.01	04/14/2011	
1,3-Dichlorobenzene	5.00		45.7	50.0	0	91.4	45.69	0.04	04/14/2011	
1,3-Dichloropropane	5.00		52.5	50.0	0	105.0	52.30	0.34	04/14/2011	
1,4-Dichlorobenzene	5.00		46.4	50.0	0	92.7	46.02	0.74	04/14/2011	
1-Chlorobutane	5.00		49.8	50.0	0	99.5	49.71	0.08	04/14/2011	
2,2-Dichloropropane	5.00		44.9	50.0	0	89.9	44.65	0.65	04/14/2011	
2-Butanone	50.0		138	125	0	110.3	141.8	2.79	04/14/2011	
2-Chlorotoluene	5.00		50.5	50.0	0	101.0	50.09	0.80	04/14/2011	
2-Hexanone	50.0		131	125	0	104.4	137.5	5.20	04/14/2011	
2-Nitropropane	50.0		559	500	0	111.7	563.7	0.91	04/14/2011	
4-Chlorotoluene	5.00		49.7	50.0	0	99.4	49.63	0.10	04/14/2011	
4-Methyl-2-pentanone	50.0		133	125	0	106.6	136.8	2.57	04/14/2011	
Acetone	50.0		148	125	0	118.2	148.0	0.20	04/14/2011	
Acetonitrile	100		498	500	0	99.6	518.6	4.10	04/14/2011	
Acrylonitrile	10.0		44.8	50.0	0	89.7	44.94	0.20	04/14/2011	
Allyl chloride	5.00		49.0	50.0	0	98.0	48.66	0.72	04/14/2011	
Benzene	1.00		45.9	50.0	0	91.8	45.90	0.02	04/14/2011	
Bromobenzene	5.00		47.1	50.0	0	94.1	45.79	2.76	04/14/2011	
Bromochloromethane	5.00		49.8	50.0	0	99.6	49.91	0.22	04/14/2011	
Bromodichloromethane	5.00		48.0	50.0	0	95.9	47.75	0.42	04/14/2011	
Bromoform	5.00		51.9	50.0	0	103.7	51.02	1.63	04/14/2011	
Bromomethane	10.0		25.9	50.0	0	51.7	26.66	3.01	04/14/2011	
Carbon disulfide	5.00		31.8	50.0	0	63.6	32.83	3.25	04/14/2011	
Carbon tetrachloride	5.00		45.4	50.0	0	90.8	44.87	1.20	04/14/2011	
Chlorobenzene	5.00		50.7	50.0	0	101.4	50.95	0.45	04/14/2011	
Chloroethane	10.0		31.1	50.0	0	62.3	32.21	3.38	04/14/2011	
Chloroform	5.00		47.6	50.0	0	95.2	47.61	0.04	04/14/2011	
Chloromethane	10.0		16.9	50.0	0	33.9	17.45	3.03	04/14/2011	
cis-1,2-Dichloroethene	5.00		44.3	50.0	0	88.6	44.22	0.20	04/14/2011	
cis-1,3-Dichloropropene	4.00		46.5	50.0	0	93.1	46.21	0.69	04/14/2011	
Cyclohexanone	100		254	250	0	101.4	268.1	5.57	04/14/2011	
Dibromochloromethane	5.00		48.3	50.0	0	96.5	47.99	0.56	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67389		SampType: LCSD		Units µg/Kg				RPD Limit 40		
SampID: LCSD-G110414-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dibromomethane	5.00		49.0	50.0	0	98.1	48.49	1.13	04/14/2011	
Dichlorodifluoromethane	10.0	J	5.9	50.0	0	11.7	6.080	0.00	04/14/2011	
Ethyl acetate	50.0	J	50	50.0	0	100	48.39	0.00	04/14/2011	
Ethyl ether	5.00		39.7	50.0	0	79.5	39.93	0.48	04/14/2011	
Ethyl methacrylate	5.00		51.4	50.0	0	102.8	51.74	0.70	04/14/2011	
Ethylbenzene	5.00		51.0	50.0	0	102.0	51.54	1.01	04/14/2011	
Heptane	20.0		48.9	50.0	0	97.8	48.97	0.14	04/14/2011	
Hexachlorobutadiene	5.00		39.8	50.0	0	79.5	41.73	4.81	04/14/2011	
Hexachloroethane	5.00		44.0	50.0	0	88.0	43.20	1.83	04/14/2011	
Iodomethane	10.0		44.9	50.0	0	89.8	44.36	1.17	04/14/2011	
Isopropylbenzene	5.00		51.3	50.0	0	102.5	51.94	1.30	04/14/2011	
m,p-Xylenes	5.00		102	100	0	102.0	103.6	1.57	04/14/2011	
Methacrylonitrile	50.0	J	50	50.0	0	99.1	50.33	0.00	04/14/2011	
Methyl Methacrylate	5.00		46.8	50.0	0	93.5	46.76	0.00	04/14/2011	
Methyl tert-butyl ether	2.00		45.1	50.0	0	90.1	44.86	0.44	04/14/2011	
Methylacrylate	10.0		48.9	50.0	0	97.9	49.60	1.34	04/14/2011	
Methylene chloride	5.00		42.2	50.0	0	84.4	42.81	1.39	04/14/2011	
Naphthalene	10.0		47.3	50.0	0	94.6	49.29	4.16	04/14/2011	
n-Butylbenzene	5.00		52.4	50.0	0	104.8	52.33	0.17	04/14/2011	
n-Hexane	20.0		37.6	50.0	0	75.2	38.59	2.60	04/14/2011	
Nitrobenzene	100		498	500	0	99.7	515.3	3.32	04/14/2011	
n-Propylbenzene	5.00		49.7	50.0	0	99.3	49.43	0.48	04/14/2011	
o-Xylene	5.00		51.2	50.0	0	102.5	52.13	1.74	04/14/2011	
Pentachloroethane	5.00		48.1	50.0	0	96.3	47.11	2.14	04/14/2011	
p-Isopropyltoluene	5.00		47.1	50.0	0	94.2	46.89	0.49	04/14/2011	
Propionitrile	50.0		482	500	0	96.4	498.0	3.27	04/14/2011	
sec-Butylbenzene	5.00		49.3	50.0	0	98.6	48.86	0.90	04/14/2011	
Styrene	5.00		51.4	50.0	0	102.7	52.13	1.49	04/14/2011	
tert-Butylbenzene	5.00		50.0	50.0	0	100	49.85	0.28	04/14/2011	
Tetrachloroethene	5.00		47.2	50.0	0	94.4	46.98	0.47	04/14/2011	
Tetrahydrofuran	50.0	J	45	50.0	0	90.4	46.62	0.00	04/14/2011	
Toluene	5.00		45.1	50.0	0	90.2	45.21	0.24	04/14/2011	
trans-1,2-Dichloroethene	5.00		43.1	50.0	0	86.1	43.46	0.90	04/14/2011	
trans-1,3-Dichloropropene	4.00		51.8	50.0	0	103.7	51.70	0.29	04/14/2011	
trans-1,4-Dichloro-2-butene	10.0		53.8	50.0	0	107.7	53.54	0.58	04/14/2011	
Trichloroethene	5.00		42.0	50.0	0	84.1	41.45	1.44	04/14/2011	
Trichlorofluoromethane	5.00		34.4	50.0	0	68.7	34.50	0.41	04/14/2011	
Vinyl acetate	50.0		50.4	50.0	0	100.9	50.51	0.16	04/14/2011	
Vinyl chloride	2.00		25.1	50.0	0	50.3	25.25	0.48	04/14/2011	
Xylenes, Total	5.00		153	150	0	102.1	155.7	1.62	04/14/2011	
Surr: 1,2-Dichloroethane-d4			53.9	50.0		107.9			04/14/2011	
Surr: 4-Bromofluorobenzene			52.1	50.0		104.2			04/14/2011	
Surr: Dibromofluoromethane			48.0	50.0		96.1			04/14/2011	
Surr: Toluene-d8			55.0	50.0		110.1			04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67389

SampType: LCS

Units µg/Kg

SampID: LCS-G110414-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	5.00		48.7	50.0	0	97.3	0	200	04/14/2011
1,1,1-Trichloroethane	5.00		45.5	50.0	0	90.9	85.8	124	04/14/2011
1,1,2,2-Tetrachloroethane	5.00		48.0	50.0	0	96.1	0	200	04/14/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		37.6	50.0	0	75.1	0	200	04/14/2011
1,1,2-Trichloroethane	5.00		49.1	50.0	0	98.3	0	200	04/14/2011
1,1-Dichloro-2-propanone	50.0		120	125	0	95.8	0	200	04/14/2011
1,1-Dichloroethane	5.00		45.6	50.0	0	91.3	0	200	04/14/2011
1,1-Dichloroethene	5.00		35.1	50.0	0	70.2	60.1	131	04/14/2011
1,1-Dichloropropene	5.00		44.5	50.0	0	89.0	0	200	04/14/2011
1,2,3-Trichlorobenzene	5.00		47.5	50.0	0	95.0	0	200	04/14/2011
1,2,3-Trichloropropane	10.0		48.0	50.0	0	96.0	0	200	04/14/2011
1,2,3-Trimethylbenzene	5.00		49.4	50.0	0	98.8	0	200	04/14/2011
1,2,4-Trichlorobenzene	5.00		48.0	50.0	0	96.0	0	200	04/14/2011
1,2,4-Trimethylbenzene	5.00		48.4	50.0	0	96.8	0	200	04/14/2011
1,2-Dibromo-3-chloropropane	5.00		44.8	50.0	0	89.6	0	200	04/14/2011
1,2-Dibromoethane	5.00		50.9	50.0	0	101.9	86.9	119	04/14/2011
1,2-Dichlorobenzene	5.00		45.7	50.0	0	91.4	88	119	04/14/2011
1,2-Dichloroethane	5.00		50.2	50.0	0	100.4	73	117	04/14/2011
1,2-Dichloropropane	5.00		47.5	50.0	0	95.0	0	200	04/14/2011
1,3,5-Trimethylbenzene	5.00		48.1	50.0	0	96.2	0	200	04/14/2011
1,3-Dichlorobenzene	5.00		45.7	50.0	0	91.4	85.8	125	04/14/2011
1,3-Dichloropropane	5.00		52.3	50.0	0	104.6	0	200	04/14/2011
1,4-Dichlorobenzene	5.00		46.0	50.0	0	92.0	84.5	124	04/14/2011
1-Chlorobutane	5.00		49.7	50.0	0	99.4	0	200	04/14/2011
2,2-Dichloropropane	5.00		44.6	50.0	0	89.3	0	200	04/14/2011
2-Butanone	50.0		142	125	0	113.5	45.3	136	04/14/2011
2-Chlorotoluene	5.00		50.1	50.0	0	100.2	0	200	04/14/2011
2-Hexanone	50.0		138	125	0	110.0	0	200	04/14/2011
2-Nitropropane	50.0		564	500	0	112.7	0	200	04/14/2011
4-Chlorotoluene	5.00		49.6	50.0	0	99.3	0	200	04/14/2011
4-Methyl-2-pentanone	50.0		137	125	0	109.4	0	200	04/14/2011
Acetone	50.0		148	125	0	118.4	0	200	04/14/2011
Acetonitrile	100		519	500	0	103.7	0	200	04/14/2011
Acrylonitrile	10.0		44.9	50.0	0	89.9	0	200	04/14/2011
Allyl chloride	5.00		48.7	50.0	0	97.3	0	200	04/14/2011
Benzene	1.00		45.9	50.0	0	91.8	73.9	109	04/14/2011
Bromobenzene	5.00		45.8	50.0	0	91.6	0	200	04/14/2011
Bromochloromethane	5.00		49.9	50.0	0	99.8	0	200	04/14/2011
Bromodichloromethane	5.00		47.8	50.0	0	95.5	91.3	126	04/14/2011
Bromoform	5.00		51.0	50.0	0	102.0	0	200	04/14/2011
Bromomethane	10.0		26.7	50.0	0	53.3	0	200	04/14/2011
Carbon disulfide	5.00		32.8	50.0	0	65.7	0	200	04/14/2011
Carbon tetrachloride	5.00		44.9	50.0	0	89.7	83.3	127	04/14/2011
Chlorobenzene	5.00		51.0	50.0	0	101.9	85.8	116	04/14/2011
Chloroethane	10.0		32.2	50.0	0	64.4	0	200	04/14/2011
Chloroform	5.00		47.6	50.0	0	95.2	80	113	04/14/2011
Chloromethane	10.0		17.4	50.0	0	34.9	0	200	04/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67389		SampType: LCS		Units µg/Kg						
SampID: LCS-G110414-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
cis-1,2-Dichloroethene	5.00		44.2	50.0	0	88.4	0	200	04/14/2011	
cis-1,3-Dichloropropene	4.00		46.2	50.0	0	92.4	0	200	04/14/2011	
Cyclohexanone	100		268	250	0	107.3	0	200	04/14/2011	
Dibromochloromethane	5.00		48.0	50.0	0	96.0	89.1	119	04/14/2011	
Dibromomethane	5.00		48.5	50.0	0	97.0	0	200	04/14/2011	
Dichlorodifluoromethane	10.0	J	6.1	50.0	0	12.2	0	200	04/14/2011	
Ethyl acetate	50.0	J	48	50.0	0	96.8	0	200	04/14/2011	
Ethyl ether	5.00		39.9	50.0	0	79.9	0	200	04/14/2011	
Ethyl methacrylate	5.00		51.7	50.0	0	103.5	0	200	04/14/2011	
Ethylbenzene	5.00		51.5	50.0	0	103.1	84.1	115	04/14/2011	
Heptane	20.0		49.0	50.0	0	97.9	0	200	04/14/2011	
Hexachlorobutadiene	5.00		41.7	50.0	0	83.5	0	200	04/14/2011	
Hexachloroethane	5.00		43.2	50.0	0	86.4	0	200	04/14/2011	
Iodomethane	10.0		44.4	50.0	0	88.7	0	200	04/14/2011	
Isopropylbenzene	5.00		51.9	50.0	0	103.9	0	200	04/14/2011	
m,p-Xylenes	5.00		104	100	0	103.6	79.1	111	04/14/2011	
Methacrylonitrile	50.0		50.3	50.0	0	100.7	0	200	04/14/2011	
Methyl Methacrylate	5.00		46.8	50.0	0	93.5	0	200	04/14/2011	
Methyl tert-butyl ether	2.00		44.9	50.0	0	89.7	80	128	04/14/2011	
Methylacrylate	10.0		49.6	50.0	0	99.2	0	200	04/14/2011	
Methylene chloride	5.00		42.8	50.0	0	85.6	73.9	116	04/14/2011	
Naphthalene	10.0		49.3	50.0	0	98.6	73.1	135	04/14/2011	
n-Butylbenzene	5.00		52.3	50.0	0	104.7	0	200	04/14/2011	
n-Hexane	20.0		38.6	50.0	0	77.2	0	200	04/14/2011	
Nitrobenzene	100		515	500	0	103.1	0	200	04/14/2011	
n-Propylbenzene	5.00		49.4	50.0	0	98.9	0	200	04/14/2011	
o-Xylene	5.00		52.1	50.0	0	104.3	82	117	04/14/2011	
Pentachloroethane	5.00		47.1	50.0	0	94.2	0	200	04/14/2011	
p-Isopropyltoluene	5.00		46.9	50.0	0	93.8	0	200	04/14/2011	
Propionitrile	50.0		498	500	0	99.6	0	200	04/14/2011	
sec-Butylbenzene	5.00		48.9	50.0	0	97.7	0	200	04/14/2011	
Styrene	5.00		52.1	50.0	0	104.3	0	200	04/14/2011	
tert-Butylbenzene	5.00		49.8	50.0	0	99.7	0	200	04/14/2011	
Tetrachloroethene	5.00		47.0	50.0	0	94.0	74.6	115	04/14/2011	
Tetrahydrofuran	50.0	J	47	50.0	0	93.2	0	200	04/14/2011	
Toluene	5.00		45.2	50.0	0	90.4	79.1	112	04/14/2011	
trans-1,2-Dichloroethene	5.00		43.5	50.0	0	86.9	0	200	04/14/2011	
trans-1,3-Dichloropropene	4.00		51.7	50.0	0	103.4	0	200	04/14/2011	
trans-1,4-Dichloro-2-butene	10.0		53.5	50.0	0	107.1	0	200	04/14/2011	
Trichloroethene	5.00		41.4	50.0	0	82.9	81	111	04/14/2011	
Trichlorofluoromethane	5.00		34.5	50.0	0	69.0	0	200	04/14/2011	
Vinyl acetate	50.0		50.5	50.0	0	101.0	0	200	04/14/2011	
Vinyl chloride	2.00		25.2	50.0	0	50.5	0	200	04/14/2011	
Xylenes, Total	5.00		156	150	0	103.8	79.1	117	04/14/2011	
Surr: 1,2-Dichloroethane-d4			54.1	50.0		108.3	72.2	131	04/14/2011	
Surr: 4-Bromofluorobenzene			52.5	50.0		105.0	82.1	116	04/14/2011	
Surr: Dibromofluoromethane			48.5	50.0		97.0	77.7	120	04/14/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67389		SampType: LCS		Units µg/Kg						
SampID: LCS-G110414-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Toluene-d8				55.0	50.0		110.0	86	116	04/14/2011

Batch 67389		SampType: LCSGD	Units µg/Kg					RPD Limit 20		
SampID: LCSGD-G110414-1										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Gasoline Range Organics (OA-1)	1000		2210	2000	0	110.7	2235	0.90	04/14/2011	
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.9			04/14/2011	
Surr: 4-Bromofluorobenzene			51.2	50.0		102.5			04/14/2011	
Surr: Dibromofluoromethane			46.0	50.0		91.9			04/14/2011	
Surr: Toluene-d8			54.8	50.0		109.7			04/14/2011	

Batch 67389		SampType: LCSG		Units µg/Kg						
SampID: LCSG-G110414-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Gasoline Range Organics (OA-1)	1000		2230	2000	0	111.7	70	130	04/14/2011	
Surr: 1,2-Dichloroethane-d4			53.8	50.0		107.5	61	128	04/14/2011	
Surr: 4-Bromofluorobenzene			51.4	50.0		102.8	78.2	117	04/14/2011	
Surr: Dibromofluoromethane			46.6	50.0		93.1	66.6	130	04/14/2011	
Surr: Toluene-d8			55.3	50.0		110.6	80.1	122	04/14/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040587

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Carrier: Kelly Klostermann

Received By: JM

Completed by: *Marvin L. Darling II*

Reviewed by: *Elizabeth A. Hurley*

On:

On:

14-Apr-11

14-Apr-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 2.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

Per Leslie Hooser, change sample ID P8G3.4-F 20ft to P8E3.4-F 20ft. 4/14/11 HAW



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10005

11040587

Project Name: Champaign MGP Project Mgr.: Pete Sazama

Project Number: 624-0908-0130 Cost Code: 0000

Sampler(s): J. Purdy / J. Stanton

Laboratory Name: TekLab

Location: Collinsville, IL

Sample Number and (depth)	Date	Time
P8-G3.4-F(20')	4/13/11	0840
6773-treated-4/13/11	4/13/11	1350

Matrix	Total Number of Containers		
	Soil	Water	Air
Wipes			
Other *			

Analyses by Method Name and Number

Method Name and Number	P8-G3.4-F(20')	6773-treated-4/13/11
VOCs 8260	X	X
SVOCs 8270	X	X
SVOCs 8270 Sims	X	X
PCB Metals	X	X
Total Petroleum Hydrocarbons	X	X
TPH (API 4000)	X	X
BTEX 8060	X	X
TSS	X	X
BODs	X	X
pH	X	X

Laboratory Temperature upon Receipt
24°C

Comments (Field PID)
heads space - sent 4/14/11
11040587-cc1
-cc2

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☒ Metals	Nitric acid (NaOH)
☒ Cyanide	Sodium hydroxide
☐ Other (Specify)	

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. Sazama & L. Hoosier
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature: [Signature]
Date: 4/13/11 Time: 1355

Received by:

Signature: [Signature]
Date: 4/14/11 Time: 8:20

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM
GREEN to Sampler

Shaded Areas to be Completed by Lab

April 20, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11040715

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/15/2011 2:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com

Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

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Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

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Report Date: 20-Apr-11

Cooler Receipt Temp: 0.8 °C

Locations and Accreditations

Collinsville

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Collinsville, IL 62234-7425
Phone (618) 344-1004
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Lenexa, KS 66214
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State	Dept	Cert #	NELAP	Exp Date	Lab
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Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Lab ID: 11040715-001

Client Sample ID: 4091-Treated-4/14/11

Matrix: AQUEOUS

Collection Date: 04/14/2011 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.50		1	04/15/2011 17:42	R148217
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	04/15/2011 16:15	R148224
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		18	mg/L	1	04/15/2011 19:20	67432
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.076		< 0.076	mg/L	10	04/19/2011 9:12	R148366
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.076	S	0.347	mg/L	10	04/19/2011 9:12	R148366
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/18/2011 13:46	67430
Barium	NELAP	0.0050		0.406	mg/L	1	04/18/2011 12:11	67430
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/18/2011 12:11	67430
Chromium	NELAP	0.0100	J	0.0043	mg/L	1	04/18/2011 12:11	67430
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/18/2011 12:11	67430
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/18/2011 12:11	67430
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/17/2011 17:27	67441
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/18/2011 12:00	67472
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00019	mg/L	1	04/16/2011 10:32	67446
Acenaphthylene	NELAP	0.00010		0.00023	mg/L	1	04/16/2011 10:32	67446
Anthracene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Chrysene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Fluorene	NELAP	0.00010		0.00010	mg/L	1	04/16/2011 10:32	67446
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Naphthalene	NELAP	0.00010		0.00963	mg/L	1	04/16/2011 10:32	67446
Phenanthrene	NELAP	0.00010		0.00017	mg/L	1	04/16/2011 10:32	67446
Pyrene	NELAP	0.00010		ND	mg/L	1	04/16/2011 10:32	67446
Total PNAs except Naphthalene		0.00013		0.00069	mg/L	1	04/16/2011 10:32	67446
Surr: 2-Fluorobiphenyl		34.3-105		64.8	%REC	1	04/16/2011 10:32	67446
Surr: 2-Fluorophenol		19.9-55.7		29.7	%REC	1	04/16/2011 10:32	67446
Surr: Nitrobenzene-d5		43-106		64.2	%REC	1	04/16/2011 10:32	67446
Surr: Phenol-d5		8.95-38.5		18.7	%REC	1	04/16/2011 10:32	67446
Surr: p-Terphenyl-d14		6.05-133		60.0	%REC	1	04/16/2011 10:32	67446

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Report Date: 20-Apr-11

Lab ID: 11040715-001

Client Sample ID: 4091-Treated-4/14/11

Matrix: AQUEOUS

Collection Date: 04/14/2011 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	26.1	µg/L	1	04/15/2011 23:51	67463
Ethylbenzene	NELAP	5.0		1.6	µg/L	1	04/15/2011 23:51	67463
Toluene	NELAP	5.0		10.5	µg/L	1	04/15/2011 23:51	67463
Xylenes, Total	NELAP	5.0		5.3	µg/L	1	04/15/2011 23:51	67463
Surr: 1,2-Dichloroethane-d4		74.7-129		99.4	%REC	1	04/15/2011 23:51	67463
Surr: 4-Bromofluorobenzene		86-119		104.1	%REC	1	04/15/2011 23:51	67463
Surr: Dibromofluoromethane		81.7-123		104.0	%REC	1	04/15/2011 23:51	67463
Surr: Toluene-d8		84.3-114		99.0	%REC	1	04/15/2011 23:51	67463



Sample Summary

<http://www.teklabinc.com/>

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Report Date: 20-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11040715-001	4091-treated-4/14/11	Aqueous	5	04/14/2011 16:10

Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11040715-001A	4091-treated-4/14/11	04/14/2011 16:10	4/15/2011 2:15:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/16/2011 9:12	04/16/2011 10:32
11040715-001B	4091-Treated-4/14/11	04/14/2011 16:10	4/15/2011 2:15:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/15/2011 17:42
	Standard Methods 18th Ed. 2540 D			04/15/2011 16:15
	Standard Methods 18th Ed. 5210 B		04/15/2011 19:20	04/15/2011 19:20
11040715-001C	4091-Treated-4/14/11	04/14/2011 16:10	4/15/2011 2:15:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/15/2011 16:09	04/18/2011 12:11
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/15/2011 16:09	04/18/2011 13:46
	SW-846 3020A, Metals by GFAA (Total)		04/15/2011 18:38	04/17/2011 17:27
	SW-846 7470A (Total)		04/18/2011 8:06	04/18/2011 12:00
11040715-001D	4091-Treated-4/14/11	04/14/2011 16:10	4/15/2011 2:15:00 PM	
	SW-846 9012A			04/19/2011 9:12
	SW-846 9012A (Total)			04/19/2011 9:12
11040715-001E	4091-Treated-4/14/11	04/14/2011 16:10	4/15/2011 2:15:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/15/2011 23:51

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STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148217		SampType: LCS		Units							
SampID: LCS-R148217											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	04/15/2011	

Batch R148217		SampType: DUP		Units				RPD Limit 10			
SampID: 11040715-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.51				8.500	0.12	04/15/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R148224		SampType: MBLK		Units mg/L							
SampID: MB-R148224											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						04/15/2011	

Batch R148224		SampType: LCS		Units mg/L						
SampID: LCS-R148224										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		97	100	0	97.0	85	115	04/15/2011
Total Suspended Solids		6		95	100	0	95.0	85	115	04/15/2011

Batch R148224		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11040715-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		7				8.000	13.33	04/15/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 67432		SampType: LCS		Units mg/L							
SampID: LCS-67432											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5		201	198	0	101.5	84.6	115.4	04/15/2011	

Batch 67432		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11040715-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		19				18.00	5.41	04/15/2011	

SW-846 9012A (TOTAL)

Batch R148327		SampType: MBLK		Units mg/L						
SampID: MB-R148327										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						04/18/2011
Cyanide		0.007		< 0.007						04/18/2011
Cyanide		0.007		< 0.007						04/18/2011
Cyanide		0.007		< 0.007						04/18/2011

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SW-846 9012A (TOTAL)

Batch R148327		SampType: MBLK		Units mg/L							
SampID: MB-R148327											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch R148327		SampType: LCS		Units mg/L						
SampID: LCS-R148327										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.007	S	0.030	0.025	0	120.1	90	110	04/18/2011	
Cyanide	0.007		0.023	0.025	0	91.7	85	115	04/18/2011	
Cyanide	0.007	S	0.030	0.025	0	120.1	85	115	04/18/2011	
Cyanide	0.008	S	0.031	0.025	0	122.2	85	115	04/18/2011	
Cyanide	0.008	S	0.031	0.025	0	122.6	90	110	04/18/2011	

Batch R148366		SampType: MBLK		Units mg/L						
SampID: MB-R148366										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		< 0.007						04/19/2011	
Cyanide	0.007		< 0.007						04/19/2011	

Batch R148366		SampType: LCS		Units mg/L						
SampID: LCS-R148366										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.008		0.025	0.025	0	98.2	90	110	04/19/2011	
Cyanide	0.007		0.024	0.025	0	97.5	85	115	04/19/2011	
Cyanide	0.007		0.024	0.025	0	94.9	90	110	04/19/2011	

Batch R148366		SampType: MS		Units mg/L						
SampID: 11040715-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.084	S	0.380	0.025	0.3466	135.4	75	125	04/19/2011

Batch R148366		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11040715-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.076	S	0.384	0.025	0.3466	147.7	0.3804	0.80	04/19/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67430		SampType: MBLK		Units mg/L						
SampID: MB-67430										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/18/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/18/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/18/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/18/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/18/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/18/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/18/2011	

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SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67430		SampType: MBLK		Units mg/L							
SampID: MB-67430											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 67430		SampType: LCS		Units mg/L						
SampID: LCS-67430										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.03	2.00	0	101.4	85	115	04/18/2011	
Arsenic	0.0250		2.03	2.00	0	101.5	85	115	04/18/2011	
Barium	0.0050		2.00	2.00	0	100	85	115	04/18/2011	
Cadmium	0.0020		0.0512	0.0500	0	102.4	85	115	04/18/2011	
Chromium	0.0100		0.218	0.200	0	109.1	85	115	04/18/2011	
Selenium	0.0500		2.05	2.00	0	102.6	85	115	04/18/2011	
Silver	0.0100		0.0534	0.0500	0	106.8	85	115	04/18/2011	

Batch 67430	SampType: MS	Units mg/L							
SampID: 11040715-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.01	2.00	0	100.4	75	125	04/18/2011
Barium	0.0050		2.27	2.00	0.4055	93.1	75	125	04/18/2011
Cadmium	0.0020		0.0481	0.0500	0	96.2	75	125	04/18/2011
Chromium	0.0100		0.206	0.200	0.004300	101.0	75	125	04/18/2011
Selenium	0.0500		2.00	2.00	0	100.1	75	125	04/18/2011
Silver	0.0100		0.0513	0.0500	0	102.6	75	125	04/18/2011

Batch 67430		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11040715-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		1.98	2.00	0	99.1	2.007	1.25	
Barium		0.0050		2.27	2.00	0.4055	93.4	2.267	0.26	
Cadmium		0.0020		0.0481	0.0500	0	96.2	0.04810	0.00	
Chromium		0.0100		0.204	0.200	0.004300	99.8	0.2062	1.07	
Selenium		0.0500		1.99	2.00	0	99.5	2.002	0.60	
Silver		0.0100		0.0485	0.0500	0	97.0	0.05130	5.61	

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67441		SampType: MBLK		Units mg/L							
SampID: MB-67441											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	04/17/2011	

Batch 67441		SampType: LCS		Units mg/L						
SampID: LCS-67441										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0124	0.0150	0	82.4	80	120	04/17/2011

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SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67441		SampType: MS		Units mg/L							Date Analyzed
SampID: 11040715-001CMS											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		0.0113	0.0150	0	75.6	70	130		04/17/2011

Batch 67441		SampType: MSD		Units mg/L		RPD Limit 20					Date Analyzed
SampID: 11040715-001CMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	7421	0.0020		0.0105	0.0150	0	70.1	0.01134	7.50		04/17/2011

SW-846 7470A (TOTAL)

Batch 67472		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MB-67472											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100		04/18/2011

Batch 67472		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-67472											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00534	0.00500	0	106.8	85	115		04/18/2011

Batch 67472		SampType: LCSD		Units mg/L		RPD Limit 20					Date Analyzed
SampID: LCSD-67472											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.00020		0.00522	0.00500	0	104.4	0.005340	2.27		04/18/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67446		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MB-67446											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene		0.00010		ND							04/16/2011
Acenaphthylene		0.00010		ND							04/16/2011
Anthracene		0.00010		ND							04/16/2011
Benzo(a)anthracene		0.00010		ND							04/16/2011
Benzo(a)pyrene		0.00010		ND							04/16/2011
Benzo(b)fluoranthene		0.00010		ND							04/16/2011
Benzo(g,h,i)perylene		0.00010		ND							04/16/2011
Benzo(k)fluoranthene		0.00010		ND							04/16/2011
Chrysene		0.00010		ND							04/16/2011
Dibenzo(a,h)anthracene		0.00010		ND							04/16/2011
Fluoranthene		0.00010		ND							04/16/2011
Fluorene		0.00010		ND							04/16/2011
Indeno(1,2,3-cd)pyrene		0.00010		ND							04/16/2011
Naphthalene		0.00010		ND							04/16/2011
Phenanthrene		0.00010		ND							04/16/2011
Pyrene		0.00010		ND							04/16/2011
Surr: 2-Fluorobiphenyl				0.00368	0.00500		73.6	45.4	97.6		04/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67446		SampType: MBLK		Units mg/L						
SampID: MB-67446										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorophenol				0.00455	0.0100		45.5	24.9	63.7	04/16/2011
Surr: Nitrobenzene-d5				0.00405	0.00500		81.0	45.2	108	04/16/2011
Surr: Phenol-d5				0.00274	0.0100		27.4	15.5	39.5	04/16/2011
Surr: p-Terphenyl-d14				0.00448	0.00500		89.6	45.5	118	04/16/2011

Batch 67446		SampType: LCS		Units mg/L						
SampID: LCS-67446										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00423	0.00500	0	84.6	50.1	103	04/16/2011	
Acenaphthylene	0.00010		0.00425	0.00500	0	85.0	53.3	122	04/16/2011	
Anthracene	0.00010		0.00422	0.00500	0	84.4	57.4	110	04/16/2011	
Benzo(a)anthracene	0.00010		0.00417	0.00500	0	83.4	56	102	04/16/2011	
Benzo(a)pyrene	0.00010		0.00450	0.00500	0	90.0	55.4	125	04/16/2011	
Benzo(b)fluoranthene	0.00010		0.00446	0.00500	0	89.2	59.3	127	04/16/2011	
Benzo(g,h,i)perylene	0.00010		0.00454	0.00500	0	90.8	58.4	125	04/16/2011	
Benzo(k)fluoranthene	0.00010		0.00440	0.00500	0	88.0	61.5	125	04/16/2011	
Chrysene	0.00010		0.00464	0.00500	0	92.8	58.7	118	04/16/2011	
Dibenzo(a,h)anthracene	0.00010		0.00458	0.00500	0	91.6	59.3	126	04/16/2011	
Fluoranthene	0.00010		0.00437	0.00500	0	87.4	60.1	117	04/16/2011	
Fluorene	0.00010		0.00434	0.00500	0	86.8	54.1	110	04/16/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00459	0.00500	0	91.8	58.1	123	04/16/2011	
Naphthalene	0.00010		0.00407	0.00500	0	81.4	36.3	97.1	04/16/2011	
Phenanthrene	0.00010		0.00465	0.00500	0	93.0	55.9	107	04/16/2011	
Pyrene	0.00010		0.00445	0.00500	0	89.0	61.4	116	04/16/2011	
Surr: 2-Fluorobiphenyl			0.00364	0.00500		72.8	45.4	97.6	04/16/2011	
Surr: 2-Fluorophenol			0.00447	0.0100		44.7	24.9	63.7	04/16/2011	
Surr: Nitrobenzene-d5			0.00428	0.00500		85.6	45.2	108	04/16/2011	
Surr: Phenol-d5			0.00286	0.0100		28.6	15.5	39.5	04/16/2011	
Surr: p-Terphenyl-d14			0.00446	0.00500		89.2	45.5	118	04/16/2011	

Batch 67446		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67446										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00447	0.00500	0	89.4	0.004230	5.52		04/16/2011
Acenaphthylene	0.00010		0.00437	0.00500	0	87.4	0.004250	2.78		04/16/2011
Anthracene	0.00010		0.00440	0.00500	0	88.0	0.004220	4.18		04/16/2011
Benzo(a)anthracene	0.00010		0.00449	0.00500	0	89.8	0.004170	7.39		04/16/2011
Benzo(a)pyrene	0.00010		0.00492	0.00500	0	98.4	0.004500	8.92		04/16/2011
Benzo(b)fluoranthene	0.00010		0.00503	0.00500	0	100.6	0.004460	12.01		04/16/2011
Benzo(g,h,i)perylene	0.00010		0.00496	0.00500	0	99.2	0.004540	8.84		04/16/2011
Benzo(k)fluoranthene	0.00010		0.00521	0.00500	0	104.2	0.004400	16.86		04/16/2011
Chrysene	0.00010		0.00476	0.00500	0	95.2	0.004640	2.55		04/16/2011
Dibenzo(a,h)anthracene	0.00010		0.00498	0.00500	0	99.6	0.004580	8.37		04/16/2011
Fluoranthene	0.00010		0.00470	0.00500	0	94.0	0.004370	7.28		04/16/2011
Fluorene	0.00010		0.00439	0.00500	0	87.8	0.004340	1.15		04/16/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00496	0.00500	0	99.2	0.004590	7.75		04/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67446		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67446										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Naphthalene		0.00010		0.00430	0.00500	0	86.0	0.004070	5.50	04/16/2011
Phenanthrene		0.00010		0.00472	0.00500	0	94.4	0.004650	1.49	04/16/2011
Pyrene		0.00010		0.00455	0.00500	0	91.0	0.004450	2.22	04/16/2011
Surr: 2-Fluorobiphenyl				0.00388	0.00500		77.6			04/16/2011
Surr: 2-Fluorophenol				0.00483	0.0100		48.3			04/16/2011
Surr: Nitrobenzene-d5				0.00428	0.00500		85.6			04/16/2011
Surr: Phenol-d5				0.00288	0.0100		28.8			04/16/2011
Surr: p-Terphenyl-d14				0.00441	0.00500		88.2			04/16/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67463		SampType: MBLK		Units µg/L						
SampID: MBLK-R110415-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		ND						04/15/2011	
Ethylbenzene	5.0		ND						04/15/2011	
Toluene	5.0		ND						04/15/2011	
Xylenes, Total	5.0		ND						04/15/2011	
Surr: 1,2-Dichloroethane-d4			49.8	50.0		99.7	74.7	129	04/15/2011	
Surr: 4-Bromofluorobenzene			51.9	50.0		103.7	86	119	04/15/2011	
Surr: Dibromofluoromethane			51.9	50.0		103.7	81.7	123	04/15/2011	
Surr: Toluene-d8			48.9	50.0		97.7	84.3	114	04/15/2011	

Batch 67463		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110415-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Benzene	2.0		46.9	50.0	0	93.9	48.13	2.52	04/15/2011	
Ethylbenzene	5.0		48.2	50.0	0	96.3	48.93	1.61	04/15/2011	
Toluene	5.0		48.7	50.0	0	97.4	49.63	1.91	04/15/2011	
Xylenes, Total	5.0		147	150	0	97.7	150.6	2.71	04/15/2011	
Surr: 1,2-Dichloroethane-d4			49.8	50.0		99.6			04/15/2011	
Surr: 4-Bromofluorobenzene			51.7	50.0		103.4			04/15/2011	
Surr: Dibromofluoromethane			52.6	50.0		105.3			04/15/2011	
Surr: Toluene-d8			49.9	50.0		99.8			04/15/2011	

Batch 67463		SampType: LCS		Units µg/L						
SampID: LCS-R110415-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		48.1	50.0	0	96.3	82.7	117	04/15/2011	
Ethylbenzene	5.0		48.9	50.0	0	97.9	83	113	04/15/2011	
Toluene	5.0		49.6	50.0	0	99.3	79.6	116	04/15/2011	
Xylenes, Total	5.0		151	150	0	100.4	80.3	120	04/15/2011	
Surr: 1,2-Dichloroethane-d4			49.3	50.0		98.6	74.7	129	04/15/2011	
Surr: 4-Bromofluorobenzene			52.8	50.0		105.7	86	119	04/15/2011	
Surr: Dibromofluoromethane			52.4	50.0		104.8	81.7	123	04/15/2011	
Surr: Toluene-d8			49.5	50.0		99.0	84.3	114	04/15/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67463 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110415-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch 67463 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11040715-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		66.0	46.0	26.11	86.8	57.8	125	04/16/2011
Ethylbenzene	5.0		43.6	46.0	1.550	91.4	72.8	123	04/16/2011
Toluene	5.0		52.8	46.0	10.47	91.9	75.8	123	04/16/2011
Xylenes, Total	5.0		91.7	92.0	5.300	93.9	73	127	04/16/2011
Surr: 1,2-Dichloroethane-d4			49.5	50.0		99.1	74.7	129	04/16/2011
Surr: 4-Bromofluorobenzene			52.2	50.0		104.4	86	119	04/16/2011
Surr: Dibromofluoromethane			50.9	50.0		101.8	81.7	123	04/16/2011
Surr: Toluene-d8			49.2	50.0		98.4	84.3	114	04/16/2011

Batch 67463 **SampType:** MSD Units $\mu\text{g/L}$

RPD Limit 20

SampID: 11040715-001EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		64.9	46.0	26.11	84.3	66.03	1.74	04/16/2011
Ethylbenzene	5.0		44.1	46.0	1.550	92.6	43.58	1.28	04/16/2011
Toluene	5.0		52.4	46.0	10.47	91.3	52.75	0.57	04/16/2011
Xylenes, Total	5.0		93.2	92.0	5.300	95.6	91.69	1.67	04/16/2011
Surr: 1,2-Dichloroethane-d4			49.5	50.0		98.9			04/16/2011
Surr: 4-Bromofluorobenzene			52.5	50.0		104.9			04/16/2011
Surr: Dibromofluoromethane			51.5	50.0		102.9			04/16/2011
Surr: Toluene-d8			49.2	50.0		98.3			04/16/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040715

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Apr-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

15-Apr-11

Timothy W. Mathis

Reviewed by:

On:

15-Apr-11

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 0.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 10006

[illegible]

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid (NaOH)	
☒ Cyanide	Sodium hydroxide	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. Sarana & L. Hooser

Send Invoice to: _____

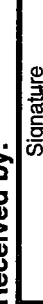
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

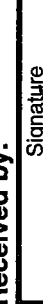
Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Carrier / Airbill No.	

Relinquished by:		Received by:	
Signature	Date	Signature	Date
	4/15/11		4/15/11
Time		Time	
10:02		10:02	

Relinquished by:		Received by:	
Signature	Date	Signature	Date
	4/15/11		4/15/11
Time		Time	
1415		1415	

Distribution:	WHITE to Lab	CANARY to PM	PINK to QA/QC	GREEN to Sampler
PE-179 (6/03)				

Shaded Areas to be Completed by Lab

April 28, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11040947

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 4/21/2011 3:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	9
Dates Report	10
Quality Control Results	11
Receiving Check List	18
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11040947**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 28-Apr-11**Cooler Receipt Temp:** 5.8 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Lab ID: 11040947-001

Client Sample ID: 30984-Treated 4-21-11

Matrix: AQUEOUS

Collection Date: 04/21/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.88		1	04/22/2011 12:42	R148505
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		11	mg/L	1	04/25/2011 9:45	R148536
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		27	mg/L	1	04/21/2011 20:10	67620
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.077		< 0.077	mg/L	10	04/25/2011 11:24	R148572
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.070	S	0.254	mg/L	10	04/25/2011 11:24	R148572
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/22/2011 12:40	67628
Barium	NELAP	0.0050		0.460	mg/L	1	04/22/2011 12:40	67628
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/22/2011 12:40	67628
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	04/22/2011 12:40	67628
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/22/2011 12:40	67628
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/22/2011 12:40	67628
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/22/2011 12:00	67627
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/22/2011 11:00	67629
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00021	mg/L	1	04/25/2011 10:44	67636
Acenaphthylene	NELAP	0.00010		0.00024	mg/L	1	04/25/2011 10:44	67636
Anthracene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Chrysene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Fluorene	NELAP	0.00010		0.00012	mg/L	1	04/25/2011 10:44	67636
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Naphthalene	NELAP	0.00010		0.00864	mg/L	1	04/25/2011 10:44	67636
Phenanthrene	NELAP	0.00010		0.00014	mg/L	1	04/25/2011 10:44	67636
Pyrene	NELAP	0.00010		ND	mg/L	1	04/25/2011 10:44	67636
Total PNAs except Naphthalene		0.00013		0.00071	mg/L	1	04/25/2011 10:44	67636
Surr: 2-Fluorobiphenyl		34.3-105		77.0	%REC	1	04/25/2011 10:44	67636
Surr: 2-Fluorophenol		19.9-55.7		29.7	%REC	1	04/25/2011 10:44	67636
Surr: Nitrobenzene-d5		43-106		85.2	%REC	1	04/25/2011 10:44	67636
Surr: Phenol-d5		8.95-38.5		19.1	%REC	1	04/25/2011 10:44	67636
Surr: p-Terphenyl-d14		6.05-133		79.6	%REC	1	04/25/2011 10:44	67636



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Lab ID: 11040947-001

Client Sample ID: 30984-Treated 4-21-11

Matrix: AQUEOUS

Collection Date: 04/21/2011 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		18.9	µg/L	1	04/21/2011 20:54	67626
Ethylbenzene	NELAP	5.0	J	1.3	µg/L	1	04/21/2011 20:54	67626
Toluene	NELAP	5.0		7.7	µg/L	1	04/21/2011 20:54	67626
Xylenes, Total	NELAP	5.0	J	4.5	µg/L	1	04/21/2011 20:54	67626
Surr: 1,2-Dichloroethane-d4		74.7-129		104.6	%REC	1	04/21/2011 20:54	67626
Surr: 4-Bromofluorobenzene		86-119		105.6	%REC	1	04/21/2011 20:54	67626
Surr: Dibromofluoromethane		81.7-123		105.3	%REC	1	04/21/2011 20:54	67626
Surr: Toluene-d8		84.3-114		94.8	%REC	1	04/21/2011 20:54	67626

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Lab ID: 11040947-002

Client Sample ID: 4419-Treated

Matrix: AQUEOUS

Collection Date: 04/21/2011 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.04		1	04/22/2011 12:42	R148505
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		15	mg/L	1	04/25/2011 9:45	R148536
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		30	mg/L	1	04/21/2011 20:20	67620
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.084		< 0.084	mg/L	10	04/25/2011 11:24	R148572
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.084		0.277	mg/L	10	04/25/2011 11:24	R148572
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/22/2011 12:57	67628
Barium	NELAP	0.0050		0.493	mg/L	1	04/22/2011 12:57	67628
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	04/22/2011 12:57	67628
Chromium	NELAP	0.0100	J	0.0050	mg/L	1	04/22/2011 12:57	67628
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/22/2011 12:57	67628
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/22/2011 12:57	67628
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/22/2011 12:00	67627
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/22/2011 11:00	67629
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00046	mg/L	1	04/25/2011 11:21	67636
Acenaphthylene	NELAP	0.00010		0.00056	mg/L	1	04/25/2011 11:21	67636
Anthracene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Chrysene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Fluorene	NELAP	0.00010		0.00025	mg/L	1	04/25/2011 11:21	67636
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Naphthalene	NELAP	0.00010		0.0285	mg/L	1	04/25/2011 11:21	67636
Phenanthrene	NELAP	0.00010		0.00026	mg/L	1	04/25/2011 11:21	67636
Pyrene	NELAP	0.00010		ND	mg/L	1	04/25/2011 11:21	67636
Total PNAs except Naphthalene		0.00013		0.00153	mg/L	1	04/25/2011 11:21	67636
Surr: 2-Fluorobiphenyl		34.3-105		82.8	%REC	1	04/25/2011 11:21	67636
Surr: 2-Fluorophenol		19.9-55.7		28.8	%REC	1	04/25/2011 11:21	67636
Surr: Nitrobenzene-d5		43-106		86.2	%REC	1	04/25/2011 11:21	67636
Surr: Phenol-d5		8.95-38.5		21.4	%REC	1	04/25/2011 11:21	67636
Surr: p-Terphenyl-d14		6.05-133		86.8	%REC	1	04/25/2011 11:21	67636
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		51.2	µg/L	1	04/21/2011 21:23	67626
Ethylbenzene	NELAP	5.0	J	3.9	µg/L	1	04/21/2011 21:23	67626

Client: PSC Industrial Outsourcing, LP**Work Order:** 11040947**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 28-Apr-11**Lab ID:** 11040947-002**Client Sample ID:** 4419-Treated**Matrix:** AQUEOUS**Collection Date:** 04/21/2011 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		24.5	µg/L	1	04/21/2011 21:23	67626
Xylenes, Total	NELAP	5.0		13.8	µg/L	1	04/21/2011 21:23	67626
Surr: 1,2-Dichloroethane-d4		74.7-129		103.6	%REC	1	04/21/2011 21:23	67626
Surr: 4-Bromofluorobenzene		86-119		104.6	%REC	1	04/21/2011 21:23	67626
Surr: Dibromofluoromethane		81.7-123		106.4	%REC	1	04/21/2011 21:23	67626
Surr: Toluene-d8		84.3-114		95.5	%REC	1	04/21/2011 21:23	67626



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11040947-001	30984-Treated 4-21-11	Aqueous	5	04/21/2011 9:00
11040947-002	4419-Treated	Aqueous	5	04/21/2011 9:15

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11040947-001A	30984-Treated 4-21-11	04/21/2011 9:00	4/21/2011 3:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/22/2011 10:06	04/25/2011 10:44
11040947-001B	30984-Treated 4-21-11	04/21/2011 9:00	4/21/2011 3:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/22/2011 12:42
	Standard Methods 18th Ed. 2540 D			04/25/2011 9:45
	Standard Methods 18th Ed. 5210 B		04/21/2011 20:10	04/21/2011 20:10
11040947-001C	30984-Treated 4-21-11	04/21/2011 9:00	4/21/2011 3:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/22/2011 7:02	04/22/2011 12:40
	SW-846 3020A, Metals by GFAA (Total)		04/22/2011 7:00	04/22/2011 12:00
	SW-846 7470A (Total)		04/22/2011 7:26	04/22/2011 11:00
11040947-001D	30984-Treated 4-21-11	04/21/2011 9:00	4/21/2011 3:30:00 PM	
	SW-846 9012A			04/25/2011 11:24
	SW-846 9012A (Total)			04/25/2011 11:24
11040947-001E	30984-Treated 4-21-11	04/21/2011 9:00	4/21/2011 3:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/21/2011 20:54
11040947-002A	4419-Treated	04/21/2011 9:15	4/21/2011 3:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/22/2011 10:06	04/25/2011 11:21
11040947-002B	4419-Treated	04/21/2011 9:15	4/21/2011 3:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/22/2011 12:42
	Standard Methods 18th Ed. 2540 D			04/25/2011 9:45
	Standard Methods 18th Ed. 5210 B		04/21/2011 20:20	04/21/2011 20:20
11040947-002C	4419-Treated	04/21/2011 9:15	4/21/2011 3:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/22/2011 7:02	04/22/2011 12:57
	SW-846 3020A, Metals by GFAA (Total)		04/22/2011 7:00	04/22/2011 12:00
	SW-846 7470A (Total)		04/22/2011 7:26	04/22/2011 11:00
11040947-002D	4419-Treated	04/21/2011 9:15	4/21/2011 3:30:00 PM	
	SW-846 9012A			04/25/2011 11:24
	SW-846 9012A (Total)			04/25/2011 11:24
11040947-002E	4419-Treated	04/21/2011 9:15	4/21/2011 3:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/21/2011 21:23

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148505		SampType: LCS		Units						
SampID: LCS-R148505										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	04/22/2011

Batch R148505		SampType: DUP		Units				RPD Limit 10			
SampID: 11040947-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.91				8.880	0.34	04/22/2011	

Batch R148505		SampType: DUP		Units				RPD Limit 10			
SampID: 11040947-002BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.05				9.040	0.11	04/22/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R148536		SampType: MBLK		Units mg/L							
SampID: MB-R148536											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids		6		< 6						04/25/2011	

Batch R148536		SampType: LCS		Units mg/L						
SampID: LCS-R148536										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		95	100	0	95.0	85	115	04/25/2011	
Total Suspended Solids	6		101	100	0	101.0	85	115	04/25/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	04/25/2011	
Total Suspended Solids	6		100	100	0	100	85	115	04/25/2011	

Batch R148536		SampType: DUP	Units mg/L					RPD Limit 15		
SampID: 11040947-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		11				11.00	0.00	04/25/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 67620		SampType: LCS		Units mg/L						
SampID: LCS-67620										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		200	198	0	101.0	84.6	115.4	04/21/2011

Batch 67620		SampType: DUP		Units mg/L				RPD Limit 40		
SampID: 11040947-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		27				27.00	0.00	
										04/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

SW-846 9012A (TOTAL)

Batch R148572		SampType: MBLK		Units mg/L						
SampID: MB-R148572										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.008		< 0.008						04/25/2011
Cyanide		0.007		< 0.007						04/25/2011

Batch R148572		SampType: LCS		Units mg/L						
SampID: LCS-R148572										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.008		0.026	0.025	0	103.2	85	115	04/25/2011	
Cyanide	0.007		0.023	0.025	0	91.1	85	115	04/25/2011	
Cyanide	0.007		0.023	0.025	0	93.9	90	110	04/25/2011	

Batch R148572		SampType: MS		Units mg/L						
SampID: 11040947-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.076	S	0.290	0.025	0.2538	142.9	75	125	04/25/2011

Batch R148572		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11040947-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.070	S	0.291	0.025	0.2538	150.7	0.2895	0.67	04/25/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67628		SampType: MBLK		Units mg/L					
SampID: MB-67628									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/25/2011
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/22/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/25/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/22/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/22/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/25/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/22/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/25/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/22/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/25/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/22/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/25/2011

Batch 67628		SampType: LCS		Units mg/L						
SampID: LCS-67628										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.17	2.00	0	108.4	85	115	04/22/2011
Arsenic		0.0250		2.05	2.00	0	102.4	85	115	04/25/2011
Barium		0.0050		2.08	2.00	0	103.8	85	115	04/25/2011
Barium		0.0050		2.05	2.00	0	102.5	85	115	04/22/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67628		SampType: LCS		Units mg/L						
SampID: LCS-67628										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cadmium	0.0020		0.0528	0.0500	0	105.6	85	115	04/22/2011	
Cadmium	0.0020		0.0501	0.0500	0	100.2	85	115	04/25/2011	
Chromium	0.0100		0.216	0.200	0	107.9	85	115	04/22/2011	
Chromium	0.0100		0.218	0.200	0	109.1	85	115	04/25/2011	
Selenium	0.0500		2.07	2.00	0	103.5	85	115	04/22/2011	
Selenium	0.0500		2.06	2.00	0	102.8	85	115	04/25/2011	
Silver	0.0100		0.0529	0.0500	0	105.8	85	115	04/25/2011	
Silver	0.0100		0.0535	0.0500	0	107.0	85	115	04/22/2011	

Batch 67628		SampType: MS		Units mg/L						
SampID: 11040947-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.05	2.00	0	102.6	75	125	04/22/2011	
Barium	0.0050		2.37	2.00	0.4600	95.5	75	125	04/22/2011	
Cadmium	0.0020		0.0482	0.0500	0	96.4	75	125	04/22/2011	
Chromium	0.0100		0.200	0.200	0	100.1	75	125	04/22/2011	
Selenium	0.0500		1.95	2.00	0	97.4	75	125	04/22/2011	
Silver	0.0100		0.0503	0.0500	0	100.6	75	125	04/22/2011	

Batch 67628		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11040947-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.13	2.00	0	106.6	2.051	3.83	04/22/2011
Barium		0.0050		2.44	2.00	0.4600	98.8	2.369	2.79	04/22/2011
Cadmium		0.0020		0.0498	0.0500	0	99.6	0.04820	3.27	04/22/2011
Chromium		0.0100		0.202	0.200	0	101.2	0.2002	1.14	04/22/2011
Selenium		0.0500		2.02	2.00	0	101.2	1.949	3.82	04/22/2011
Silver		0.0100		0.0504	0.0500	0	100.8	0.05030	0.20	04/22/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67627		SampType: MBLK		Units mg/L						
SampID: MB-67627										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	04/22/2011

Batch 67627		SampType: LCS		Units mg/L						
SampID: LCS-67627										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0150	0.0150	0	100.1	80	120	04/22/2011

Batch 67627		SampType: MS		Units mg/L							
SampID: 11040947-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0135	0.0150	0	90.2	70	130	04/22/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67627		SampType: MS		Units mg/L							
SampID: 11040947-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Batch 67627		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 11040947-001CMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0123	0.0150	0	82.2	0.01353	9.29	04/22/2011	

SW-846 7470A (TOTAL)

Batch 67629		SampType: MBLK		Units mg/L						
SampID: MB-67629										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	J	0.00006	0.00020	0	30.0	-100	100	04/22/2011

Batch 67629		SampType: LCS		Units mg/L						
SampID: LCS-67629										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00469	0.00500	0	93.8	85	115	04/22/2011	

Batch 67629		SampType: MS		Units mg/L						
SampID: 11040947-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00445	0.00500	0	89.0	75	125	04/22/2011

Batch 67629		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11040947-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00443	0.00500	0	88.6	0.004450	0.45	04/22/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67636		SampType: MBLK	Units mg/L							
SampID: MB-67636										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						04/25/2011	
Acenaphthylene	0.00010		ND						04/25/2011	
Anthracene	0.00010		ND						04/25/2011	
Benzo(a)anthracene	0.00010		ND						04/25/2011	
Benzo(a)pyrene	0.00010		ND						04/25/2011	
Benzo(b)fluoranthene	0.00010		ND						04/25/2011	
Benzo(g,h,i)perylene	0.00010		ND						04/25/2011	
Benzo(k)fluoranthene	0.00010		ND						04/25/2011	
Chrysene	0.00010		ND						04/25/2011	
Dibenzo(a,h)anthracene	0.00010		ND						04/25/2011	
Fluoranthene	0.00010		ND						04/25/2011	
Fluorene	0.00010		ND						04/25/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/25/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67636		SampType: MBLK		Units mg/L							
SampID: MB-67636											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Naphthalene		0.00010		ND						04/25/2011	
Phenanthrene		0.00010		ND						04/25/2011	
Pyrene		0.00010		ND						04/25/2011	
Surr: 2-Fluorobiphenyl				0.00341	0.00500		68.2	45.4	97.6	04/25/2011	
Surr: 2-Fluorophenol				0.00448	0.0100		44.8	24.9	63.7	04/25/2011	
Surr: Nitrobenzene-d5				0.00426	0.00500		85.2	45.2	108	04/25/2011	
Surr: Phenol-d5				0.00284	0.0100		28.4	15.5	39.5	04/25/2011	
Surr: p-Terphenyl-d14				0.00456	0.00500		91.2	45.5	118	04/25/2011	

Batch 67636		SampType: LCS		Units mg/L						
SampID: LCS-67636										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00368	0.00500	0	73.6	50.1	103	04/25/2011	
Acenaphthylene	0.00010		0.00383	0.00500	0	76.6	53.3	122	04/25/2011	
Anthracene	0.00010		0.00408	0.00500	0	81.6	57.4	110	04/25/2011	
Benzo(a)anthracene	0.00010		0.00387	0.00500	0	77.4	56	102	04/25/2011	
Benzo(a)pyrene	0.00010		0.00413	0.00500	0	82.6	55.4	125	04/25/2011	
Benzo(b)fluoranthene	0.00010		0.00414	0.00500	0	82.8	59.3	127	04/25/2011	
Benzo(g,h,i)perylene	0.00010		0.00427	0.00500	0	85.4	58.4	125	04/25/2011	
Benzo(k)fluoranthene	0.00010		0.00449	0.00500	0	89.8	61.5	125	04/25/2011	
Chrysene	0.00010		0.00420	0.00500	0	84.0	58.7	118	04/25/2011	
Dibenzo(a,h)anthracene	0.00010		0.00433	0.00500	0	86.6	59.3	126	04/25/2011	
Fluoranthene	0.00010		0.00460	0.00500	0	92.0	60.1	117	04/25/2011	
Fluorene	0.00010		0.00393	0.00500	0	78.6	54.1	110	04/25/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00429	0.00500	0	85.8	58.1	123	04/25/2011	
Naphthalene	0.00010		0.00400	0.00500	0	80.0	36.3	97.1	04/25/2011	
Phenanthrene	0.00010		0.00438	0.00500	0	87.6	55.9	107	04/25/2011	
Pyrene	0.00010		0.00460	0.00500	0	92.0	61.4	116	04/25/2011	
Surr: 2-Fluorobiphenyl			0.00318	0.00500		63.6	45.4	97.6	04/25/2011	
Surr: 2-Fluorophenol			0.00379	0.0100		37.9	24.9	63.7	04/25/2011	
Surr: Nitrobenzene-d5			0.00397	0.00500		79.4	45.2	108	04/25/2011	
Surr: Phenol-d5			0.00263	0.0100		26.3	15.5	39.5	04/25/2011	
Surr: p-Terphenyl-d14			0.00454	0.00500		90.8	45.5	118	04/25/2011	

Batch 67636		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67636										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Acenaphthene	0.00010		0.00321	0.00500	0	64.2	0.003680	13.64	04/25/2011	
Acenaphthylene	0.00010		0.00349	0.00500	0	69.8	0.003830	9.29	04/25/2011	
Anthracene	0.00010		0.00320	0.00500	0	64.0	0.004080	24.18	04/25/2011	
Benzo(a)anthracene	0.00010		0.00331	0.00500	0	66.2	0.003870	15.60	04/25/2011	
Benzo(a)pyrene	0.00010		0.00346	0.00500	0	69.2	0.004130	17.65	04/25/2011	
Benzo(b)fluoranthene	0.00010		0.00366	0.00500	0	73.2	0.004140	12.31	04/25/2011	
Benzo(g,h,i)perylene	0.00010		0.00371	0.00500	0	74.2	0.004270	14.04	04/25/2011	
Benzo(k)fluoranthene	0.00010		0.00374	0.00500	0	74.8	0.004490	18.23	04/25/2011	
Chrysene	0.00010		0.00345	0.00500	0	69.0	0.004200	19.61	04/25/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67636		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67636										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Dibenzo(a,h)anthracene	0.00010		0.00371	0.00500	0	74.2	0.004330	15.42		04/25/2011
Fluoranthene	0.00010		0.00371	0.00500	0	74.2	0.004600	21.42		04/25/2011
Fluorene	0.00010		0.00338	0.00500	0	67.6	0.003930	15.05		04/25/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00368	0.00500	0	73.6	0.004290	15.31		04/25/2011
Naphthalene	0.00010		0.00312	0.00500	0	62.4	0.004000	24.72		04/25/2011
Phenanthrene	0.00010		0.00360	0.00500	0	72.0	0.004380	19.55		04/25/2011
Pyrene	0.00010		0.00379	0.00500	0	75.8	0.004600	19.31		04/25/2011
Surr: 2-Fluorobiphenyl			0.00354	0.00500		70.8				04/25/2011
Surr: 2-Fluorophenol			0.00429	0.0100		42.9				04/25/2011
Surr: Nitrobenzene-d5			0.00411	0.00500		82.2				04/25/2011
Surr: Phenol-d5			0.00279	0.0100		27.9				04/25/2011
Surr: p-Terphenyl-d14			0.00474	0.00500		94.8				04/25/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67626		SampType: MBLK		Units µg/L						
SampID: MBLK-R110421-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene		2.0		ND						04/21/2011
Ethylbenzene		5.0		ND						04/21/2011
Toluene		5.0		ND						04/21/2011
Xylenes, Total		5.0		ND						04/21/2011
Surr: 1,2-Dichloroethane-d4				50.7	50.0		101.5	74.7	129	04/21/2011
Surr: 4-Bromofluorobenzene				53.9	50.0		107.8	86	119	04/21/2011
Surr: Dibromofluoromethane				52.2	50.0		104.4	81.7	123	04/21/2011
Surr: Toluene-d8				48.4	50.0		96.8	84.3	114	04/21/2011

Batch 67626		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110421-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Benzene	2.0		45.8	50.0	0	91.6	44.26	3.38		04/21/2011
Ethylbenzene	5.0		48.0	50.0	0	96.0	45.58	5.13		04/21/2011
Toluene	5.0		47.6	50.0	0	95.3	45.54	4.49		04/21/2011
Xylenes, Total	5.0		148	150	0	98.6	141.5	4.46		04/21/2011
Surr: 1,2-Dichloroethane-d4			52.3	50.0		104.6				04/21/2011
Surr: 4-Bromofluorobenzene			51.7	50.0		103.4				04/21/2011
Surr: Dibromofluoromethane			53.8	50.0		107.7				04/21/2011
Surr: Toluene-d8			49.3	50.0		98.5				04/21/2011

Batch 67626		SampType: LCS		Units µg/L						
SampID: LCS-R110421-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		44.3	50.0	0	88.5	82.7	117	04/21/2011	
Ethylbenzene	5.0		45.6	50.0	0	91.2	83	113	04/21/2011	
Toluene	5.0		45.5	50.0	0	91.1	79.6	116	04/21/2011	
Xylenes, Total	5.0		141	150	0	94.3	80.3	120	04/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67626 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110421-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			52.1	50.0		104.3	74.7	129	04/21/2011
Surr: 4-Bromofluorobenzene			52.6	50.0		105.2	86	119	04/21/2011
Surr: Dibromofluoromethane			55.9	50.0		111.8	81.7	123	04/21/2011
Surr: Toluene-d8			48.6	50.0		97.2	84.3	114	04/21/2011

Batch 67626 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11040947-002EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		86.7	46.0	51.16	77.3	57.8	125	04/21/2011
Ethylbenzene	5.0		44.0	46.0	3.870	87.2	72.8	123	04/21/2011
Toluene	5.0		63.3	46.0	24.46	84.3	75.8	123	04/21/2011
Xylenes, Total	5.0		97.7	92.0	13.81	91.2	73	127	04/21/2011
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.8	74.7	129	04/21/2011
Surr: 4-Bromofluorobenzene			51.2	50.0		102.3	86	119	04/21/2011
Surr: Dibromofluoromethane			54.7	50.0		109.4	81.7	123	04/21/2011
Surr: Toluene-d8			47.8	50.0		95.5	84.3	114	04/21/2011

Batch 67626 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11040947-002EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		85.6	46.0	51.16	74.8	86.74	1.38	04/21/2011
Ethylbenzene	5.0		45.5	46.0	3.870	90.5	44.00	3.35	04/21/2011
Toluene	5.0		63.0	46.0	24.46	83.7	63.26	0.49	04/21/2011
Xylenes, Total	5.0		99.7	92.0	13.81	93.4	97.68	2.08	04/21/2011
Surr: 1,2-Dichloroethane-d4			51.9	50.0		103.8			04/21/2011
Surr: 4-Bromofluorobenzene			52.4	50.0		104.9			04/21/2011
Surr: Dibromofluoromethane			52.5	50.0		105.1			04/21/2011
Surr: Toluene-d8			48.5	50.0		97.0			04/21/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11040947

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Apr-11

Carrier: Sean Spinner

Received By: SAH

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

21-Apr-11

21-Apr-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.8

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

24504011

COC Serial No. B 10008

[illegible]

Samples Iced:		Lab Directives:	
	☒ Yes	☐ No	
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics		Hydrochloric acid (HCl)	
☐ VOC Soil (5035)		Sodium Bisulfate/Methanol	
☐ TPH		Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals		Nitric acid	
☒ Cyanide		Sodium hydroxide (NaOH)	
☐ Other (Specify)			
Requested TAT: ☒ Rush		☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: <u>P. SAZAMA, + L. HOSIER</u>			
Send Invoice to: _____			
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other			
Special Guidelines: _____			
Reporting Limits: _____			
* Special: _____			

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
		4/21/11	11:39		4/21/11
		4/21/11	1530		4/21/11

Distribution: WHITE to Lab CANARY to PM
PE-179 (6/03) PINK to QA/QC

Shaded Areas to be Completed by Lab

May 03, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11041056

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/25/2011 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

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Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

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Report Date: 03-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11041056**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 03-May-11**Cooler Receipt Temp:** 2.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

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Springfield

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Springfield, IL 62711-9415

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Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

Lab ID: 11041056-001

Client Sample ID: 6773 Treated

Matrix: AQUEOUS

Collection Date: 04/25/2011 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.74		1	04/25/2011 19:42	R148579
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		10	mg/L	1	04/26/2011 9:30	R148600
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		64	mg/L	1	04/25/2011 18:40	67660
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.043		Interference	mg/L	5	04/26/2011 12:05	R148572
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.043	S	0.213	mg/L	5	04/26/2011 12:05	R148572
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/26/2011 12:34	67671
Barium	NELAP	0.0050		0.542	mg/L	1	04/26/2011 12:12	67671
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	04/26/2011 12:12	67671
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	04/26/2011 12:12	67671
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/26/2011 12:12	67671
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/26/2011 12:12	67671
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/26/2011 10:00	67670
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/26/2011 12:00	67673
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00021	mg/L	1	04/26/2011 13:54	67666
Acenaphthylene	NELAP	0.00010		0.00027	mg/L	1	04/26/2011 13:54	67666
Anthracene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Chrysene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Fluorene	NELAP	0.00010		0.00010	mg/L	1	04/26/2011 13:54	67666
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Naphthalene	NELAP	0.00010		0.0102	mg/L	1	04/26/2011 13:54	67666
Phenanthrene	NELAP	0.00010		0.00010	mg/L	1	04/26/2011 13:54	67666
Pyrene	NELAP	0.00010		ND	mg/L	1	04/26/2011 13:54	67666
Total PNAs except Naphthalene		0.00013		0.00068	mg/L	1	04/26/2011 13:54	67666
Surr: 2-Fluorobiphenyl		34.3-105		75.4	%REC	1	04/26/2011 13:54	67666
Surr: 2-Fluorophenol		19.9-55.7		26.0	%REC	1	04/26/2011 13:54	67666
Surr: Nitrobenzene-d5		43-106		71.6	%REC	1	04/26/2011 13:54	67666
Surr: Phenol-d5		8.95-38.5		20.3	%REC	1	04/26/2011 13:54	67666
Surr: p-Terphenyl-d14		6.05-133		58.4	%REC	1	04/26/2011 13:54	67666



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

Lab ID: 11041056-001

Client Sample ID: 6773 Treated

Matrix: AQUEOUS

Collection Date: 04/25/2011 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0	J	22.2	µg/L	1	04/25/2011 17:06	67695
Ethylbenzene	NELAP	5.0		1.8	µg/L	1	04/25/2011 17:06	67695
Toluene	NELAP	5.0		9.9	µg/L	1	04/25/2011 17:06	67695
Xylenes, Total	NELAP	5.0		6.0	µg/L	1	04/25/2011 17:06	67695
Surr: 1,2-Dichloroethane-d4		74.7-129		105.8	%REC	1	04/25/2011 17:06	67695
Surr: 4-Bromofluorobenzene		86-119		106.3	%REC	1	04/25/2011 17:06	67695
Surr: Dibromofluoromethane		81.7-123		111.5	%REC	1	04/25/2011 17:06	67695
Surr: Toluene-d8		84.3-114		95.2	%REC	1	04/25/2011 17:06	67695



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11041056-001	6773 Treated	Aqueous	5	04/25/2011 8:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11041056-001A	6773 Treated	04/25/2011 8:00	4/25/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/25/2011 18:16	04/26/2011 13:54
11041056-001B	6773 Treated	04/25/2011 8:00	4/25/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/25/2011 19:42
	Standard Methods 18th Ed. 2540 D			04/26/2011 9:30
	Standard Methods 18th Ed. 5210 B		04/25/2011 18:40	04/25/2011 18:40
11041056-001C	6773 Treated	04/25/2011 8:00	4/25/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/26/2011 6:48	04/26/2011 12:12
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/26/2011 6:48	04/26/2011 12:34
	SW-846 3020A, Metals by GFAA (Total)		04/26/2011 6:46	04/26/2011 10:00
	SW-846 7470A (Total)		04/26/2011 7:59	04/26/2011 12:00
11041056-001D	6773 Treated	04/25/2011 8:00	4/25/2011 3:00:00 PM	
	SW-846 9012A			04/26/2011 12:05
	SW-846 9012A (Total)			04/26/2011 12:05
11041056-001E	6773 Treated	04/25/2011 8:00	4/25/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/25/2011 17:06

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148579		SampType: LCS		Units							
SampID: LCS-R148579											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lab pH		1.00		7.05	7.00	0	100.7	99.1	100.9	04/25/2011	

Batch R148579		SampType: DUP		Units				RPD Limit 10			
SampID: 11041056-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.75				8.740	0.11	04/25/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R148600		SampType: MBLK		Units mg/L							
SampID: MB-R148600											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						04/26/2011	

Batch R148600		SampType: LCS		Units mg/L						
SampID: LCS-R148600										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		100	100	0	100	85	115	04/26/2011
Total Suspended Solids		6		95	100	0	95.0	85	115	04/26/2011
Total Suspended Solids		6		96	100	0	96.0	85	115	04/26/2011
Total Suspended Solids		6		97	100	0	97.0	85	115	04/26/2011

Batch R148600		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11041056-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		9				10.00	10.53	04/26/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 67660		SampType: LCS		Units mg/L						
SampID: LCS-67660										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		219	198	0	110.6	84.6	115.4	04/25/2011

Batch 67660		SampType: DUP		Units mg/L				RPD Limit 40		
SampID: 11041056-001B-DUP										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Biochemical Oxygen Demand		5		64				64.00	0.00	04/25/2011

SW-846 9012A (TOTAL)

Batch R148572		SampType: MBLK		Units mg/L						
SampID: MB-R148572										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.008		< 0.008						04/25/2011
Cyanide		0.007		< 0.007						04/26/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 9012A (TOTAL)

Batch R148572		SampType: MBLK		Units mg/L							
SampID: MB-R148572											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch R148572		SampType: LCS		Units mg/L						
SampID: LCS-R148572										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.023	0.025	0	93.9	90	110	04/25/2011	
Cyanide	0.007		0.023	0.025	0	91.1	85	115	04/25/2011	
Cyanide	0.008		0.026	0.025	0	103.2	85	115	04/26/2011	

Batch R148572		SampType: MS		Units mg/L							
SampID: 11041056-001DMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.037		0.241	0.025	0.2132	112.6	75	125	04/26/2011	

Batch R148572		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 11041056-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.041	S	0.250	0.025	0.2132	148.1	0.2413	3.61	04/26/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67671		SampType: MBLK		Units mg/L						
SampID: MB-67671										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250	J	< 0.0250	0.0250	0	0	-100	100	04/26/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/26/2011	
Cadmium	0.0020		0.0004	0.0020	0	20.0	-100	100	04/26/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/26/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/28/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/26/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/28/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/26/2011	

Batch 67671		SampType: LCS		Units mg/L						
SampID: LCS-67671										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		2.00	2.00	0	99.9	85	115	04/26/2011	
Barium	0.0050		2.00	2.00	0	100.1	85	115	04/26/2011	
Cadmium	0.0020		0.0512	0.0500	0	102.4	85	115	04/26/2011	
Chromium	0.0100		0.215	0.200	0	107.4	85	115	04/26/2011	
Selenium	0.0500		1.92	2.00	0	96.2	85	115	04/26/2011	
Selenium	0.0500		2.09	2.00	0	104.7	85	115	04/28/2011	
Silver	0.0100		0.0502	0.0500	0	100.4	85	115	04/26/2011	
Silver	0.0100		0.0538	0.0500	0	107.6	85	115	04/28/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 67671 **SampType:** MS **Units mg/L**
SampID: 11041056-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.03	2.00	0	101.6	75	125	04/26/2011
Barium	0.0050		2.47	2.00	0.5421	96.3	75	125	04/26/2011
Cadmium	0.0020		0.0479	0.0500	0.0004000	95.0	75	125	04/26/2011
Chromium	0.0100		0.200	0.200	0	99.8	75	125	04/26/2011
Selenium	0.0500		1.97	2.00	0	98.4	75	125	04/26/2011
Silver	0.0100		0.0498	0.0500	0	99.6	75	125	04/26/2011

Batch 67671 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11041056-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		2.04	2.00	0	101.8	2.031	0.20	04/26/2011
Barium	0.0050		2.45	2.00	0.5421	95.2	2.469	0.94	04/26/2011
Cadmium	0.0020		0.0481	0.0500	0.0004000	95.4	0.04790	0.42	04/26/2011
Chromium	0.0100		0.198	0.200	0	99.2	0.1995	0.55	04/26/2011
Selenium	0.0500		1.98	2.00	0	99.0	1.968	0.61	04/26/2011
Silver	0.0100		0.0443	0.0500	0	88.6	0.04980	11.69	04/26/2011

SW-846 3020A, METALS BY GFAA (TOTAL)
Batch 67670 **SampType:** MBLK **Units mg/L**
SampID: MB-67670

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	< 0.0020	0.0020	0	0	-100	100	04/26/2011

Batch 67670 **SampType:** LCS **Units mg/L**
SampID: LCS-67670

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0163	0.0150	0	108.3	80	120	04/26/2011

Batch 67670 **SampType:** MS **Units mg/L**
SampID: 11041056-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0143	0.0150	0	95.3	70	130	04/26/2011

Batch 67670 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11041056-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	0.0124	0.0150	0	82.7	0.01429	14.19	04/26/2011

SW-846 7470A (TOTAL)
Batch 67673 **SampType:** MBLK **Units mg/L**
SampID: MB-67673

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	04/26/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 7470A (TOTAL)

Batch 67673		SampType: MBLK		Units mg/L							
SampID: MB-67673											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 67673		SampType: LCS		Units mg/L						
SampID: LCS-67673										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00511	0.00500	0	102.2	85	115	04/26/2011

Batch 67673		SampType: MS		Units mg/L							
SampID: 11041056-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00494	0.00500	0	98.8	75	125	04/26/2011	

Batch 67673		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11041056-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00492	0.00500	0	98.4	0.004940	0.41	04/26/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67666	SampType: MBLK	Units mg/L								
SampID: MB-67666										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						04/26/2011	
Acenaphthene	0.00010		ND						04/26/2011	
Acenaphthylene	0.00010		ND						04/26/2011	
Anthracene	0.00010		ND						04/26/2011	
Anthracene	0.00010		ND						04/26/2011	
Benzo(a)anthracene	0.00010		ND						04/26/2011	
Benzo(a)pyrene	0.00010		ND						04/26/2011	
Benzo(b)fluoranthene	0.00010		ND						04/26/2011	
Benzo(g,h,i)perylene	0.00010		ND						04/26/2011	
Benzo(k)fluoranthene	0.00010		ND						04/26/2011	
Chrysene	0.00010		ND						04/26/2011	
Dibenzo(a,h)anthracene	0.00010		ND						04/26/2011	
Fluoranthene	0.00010		ND						04/26/2011	
Fluoranthene	0.00010		ND						04/26/2011	
Fluorene	0.00010		ND						04/26/2011	
Fluorene	0.00010		ND						04/26/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/26/2011	
Naphthalene	0.00010		ND						04/26/2011	
Naphthalene	0.00010		ND						04/26/2011	
Phenanthrene	0.00010		ND						04/26/2011	
Phenanthrene	0.00010		ND						04/26/2011	
Pyrene	0.00010		ND						04/26/2011	
Pyrene	0.00010		ND						04/26/2011	
Surr: 2-Fluorobiphenyl			0.00395	0.00500		78.9	41.9	97.9	04/26/2011	
Surr: 2-Fluorobiphenyl			0.00404	0.00500		80.8	45.4	97.6	04/26/2011	
Surr: 2-Fluorophenol			0.00429	0.0100		42.9	16.1	79.2	04/26/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67666		SampType: MBLK		Units mg/L							
SampID: MB-67666											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Surr: 2-Fluorophenol				0.00477	0.0100		47.7	24.9	63.7	04/26/2011	
Surr: Nitrobenzene-d5				0.00445	0.00500		89.1	39.9	106	04/26/2011	
Surr: Nitrobenzene-d5				0.00409	0.00500		81.8	45.2	108	04/26/2011	
Surr: Phenol-d5				0.00291	0.0100		29.1	9.94	53.7	04/26/2011	
Surr: Phenol-d5				0.00302	0.0100		30.2	15.5	39.5	04/26/2011	
Surr: p-Terphenyl-d14				0.00507	0.00500		101.3	53	116	04/26/2011	
Surr: p-Terphenyl-d14				0.00482	0.00500		96.4	45.5	118	04/26/2011	

Batch 67666	SampType: LCS	Units mg/L							
SampID: LCS-67666									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		0.00420	0.00500	0	84.0	50.1	103	04/26/2011
Acenaphthene	0.00010		0.00437	0.00500	0	87.4	50.1	103	04/26/2011
Acenaphthylene	0.00010		0.00413	0.00500	0	82.6	53.3	122	04/26/2011
Anthracene	0.00010		0.00432	0.00500	0	86.3	57.4	110	04/26/2011
Anthracene	0.00010		0.00426	0.00500	0	85.2	57.4	110	04/26/2011
Benzo(a)anthracene	0.00010		0.00413	0.00500	0	82.6	56	102	04/26/2011
Benzo(a)pyrene	0.00010		0.00467	0.00500	0	93.4	55.4	125	04/26/2011
Benzo(b)fluoranthene	0.00010		0.00467	0.00500	0	93.4	59.3	127	04/26/2011
Benzo(g,h,i)perylene	0.00010		0.00461	0.00500	0	92.2	58.4	125	04/26/2011
Benzo(k)fluoranthene	0.00010		0.00454	0.00500	0	90.8	61.5	125	04/26/2011
Chrysene	0.00010		0.00438	0.00500	0	87.6	58.7	118	04/26/2011
Dibenzo(a,h)anthracene	0.00010		0.00468	0.00500	0	93.6	59.3	126	04/26/2011
Fluoranthene	0.00010		0.00475	0.00500	0	95.0	60.1	117	04/26/2011
Fluoranthene	0.00010		0.00413	0.00500	0	82.7	60.1	117	04/26/2011
Fluorene	0.00010		0.00457	0.00500	0	91.5	54.1	110	04/26/2011
Fluorene	0.00010		0.00424	0.00500	0	84.8	54.1	110	04/26/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00465	0.00500	0	93.0	58.1	123	04/26/2011
Naphthalene	0.00010		0.00421	0.00500	0	84.2	36.3	97.1	04/26/2011
Naphthalene	0.00010		0.00420	0.00500	0	84.0	36.3	97.1	04/26/2011
Phenanthrene	0.00010		0.00433	0.00500	0	86.6	55.9	107	04/26/2011
Phenanthrene	0.00010		0.00443	0.00500	0	88.6	55.9	107	04/26/2011
Pyrene	0.00010		0.00452	0.00500	0	90.3	61.4	116	04/26/2011
Pyrene	0.00010		0.00474	0.00500	0	94.8	61.4	116	04/26/2011
Surr: 2-Fluorobiphenyl			0.00369	0.00500		73.7	41.9	97.9	04/26/2011
Surr: 2-Fluorobiphenyl			0.00368	0.00500		73.6	45.4	97.6	04/26/2011
Surr: 2-Fluorophenol			0.00437	0.0100		43.7	24.9	63.7	04/26/2011
Surr: 2-Fluorophenol			0.00428	0.0100		42.8	16.1	79.2	04/26/2011
Surr: Nitrobenzene-d5			0.00380	0.00500		75.9	39.9	106	04/26/2011
Surr: Nitrobenzene-d5			0.00377	0.00500		75.4	45.2	108	04/26/2011
Surr: Phenol-d5			0.00280	0.0100		28.0	9.94	53.7	04/26/2011
Surr: Phenol-d5			0.00275	0.0100		27.5	15.5	39.5	04/26/2011
Surr: p-Terphenyl-d14			0.00431	0.00500		86.3	53	116	04/26/2011
Surr: p-Terphenyl-d14			0.00484	0.00500		96.8	45.5	118	04/26/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67666	SampType: LCSD	Units mg/L					RPD Limit 40		
SampID: LCSD-67666									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00510	0.00500	0	102.1	0.004369	15.54	04/26/2011
Acenaphthene	0.00010		0.00474	0.00500	0	94.8	0.004200	12.08	04/26/2011
Acenaphthylene	0.00010		0.00499	0.00500	0	99.8	0.004130	18.86	04/26/2011
Anthracene	0.00010		0.00492	0.00500	0	98.5	0.004315	13.16	04/26/2011
Anthracene	0.00010		0.00482	0.00500	0	96.4	0.004260	12.33	04/26/2011
Benzo(a)anthracene	0.00010		0.00465	0.00500	0	93.0	0.004130	11.85	04/26/2011
Benzo(a)pyrene	0.00010		0.00499	0.00500	0	99.8	0.004670	6.63	04/26/2011
Benzo(b)fluoranthene	0.00010		0.00512	0.00500	0	102.4	0.004670	9.19	04/26/2011
Benzo(g,h,i)perylene	0.00010		0.00505	0.00500	0	101.0	0.004610	9.11	04/26/2011
Benzo(k)fluoranthene	0.00010		0.00513	0.00500	0	102.6	0.004540	12.20	04/26/2011
Chrysene	0.00010		0.00497	0.00500	0	99.4	0.004380	12.62	04/26/2011
Dibenzo(a,h)anthracene	0.00010		0.00518	0.00500	0	103.6	0.004680	10.14	04/26/2011
Fluoranthene	0.00010		0.00489	0.00500	0	97.7	0.004134	16.67	04/26/2011
Fluoranthene	0.00010		0.00529	0.00500	0	105.8	0.004750	10.76	04/26/2011
Fluorene	0.00010		0.00503	0.00500	0	100.6	0.004573	9.54	04/26/2011
Fluorene	0.00010		0.00505	0.00500	0	101.0	0.004240	17.44	04/26/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00505	0.00500	0	101.0	0.004650	8.25	04/26/2011
Naphthalene	0.00010		0.00483	0.00500	0	96.6	0.004200	13.95	04/26/2011
Naphthalene	0.00010	S	0.00486	0.00500	0	97.2	0.004208	14.38	04/26/2011
Phenanthrene	0.00010		0.00505	0.00500	0	101.0	0.004330	15.35	04/26/2011
Phenanthrene	0.00010		0.00528	0.00500	0	105.7	0.004431	17.56	04/26/2011
Pyrene	0.00010		0.00527	0.00500	0	105.4	0.004740	10.59	04/26/2011
Pyrene	0.00010		0.00504	0.00500	0	100.8	0.004517	10.96	04/26/2011
Surr: 2-Fluorobiphenyl			0.00402	0.00500		80.4			04/26/2011
Surr: 2-Fluorobiphenyl			0.00418	0.00500		83.6			04/26/2011
Surr: 2-Fluorophenol			0.00432	0.0100		43.2			04/26/2011
Surr: 2-Fluorophenol			0.00441	0.0100		44.1			04/26/2011
Surr: Nitrobenzene-d5			0.00458	0.00500		91.6			04/26/2011
Surr: Nitrobenzene-d5			0.00427	0.00500		85.4			04/26/2011
Surr: Phenol-d5			0.00298	0.0100		29.8			04/26/2011
Surr: Phenol-d5			0.00312	0.0100		31.2			04/26/2011
Surr: p-Terphenyl-d14			0.00465	0.00500		93.1			04/26/2011
Surr: p-Terphenyl-d14			0.00468	0.00500		93.6			04/26/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67695		SampType: MBLK		Units µg/L						
SampID: MBLK-R110425-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						04/25/2011
Ethylbenzene		5.0		ND						04/25/2011
Toluene		5.0		ND						04/25/2011
Xylenes, Total		5.0		ND						04/25/2011
Surr: 1,2-Dichloroethane-d4				52.8	50.0		105.6	74.7	129	04/25/2011
Surr: 4-Bromofluorobenzene				53.3	50.0		106.6	86	119	04/25/2011
Surr: Dibromofluoromethane				54.5	50.0		108.9	81.7	123	04/25/2011
Surr: Toluene-d8				48.0	50.0		96.1	84.3	114	04/25/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67695		SampType: MBLK		Units µg/L						Date Analyzed		
SampID: MBLK-R110425-1												
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Batch 67695		SampType: LCSD		Units µg/L						RPD Limit 40		Date Analyzed
SampID: LCSD-R110425-1												
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Benzene		2.0		43.9	50.0	0	87.8	45.69	4.04	04/25/2011		
Ethylbenzene		5.0		45.5	50.0	0	90.9	46.44	2.11	04/25/2011		
Toluene		5.0		45.1	50.0	0	90.1	46.56	3.25	04/25/2011		
Xylenes, Total		5.0		141	150	0	93.8	145.1	3.04	04/25/2011		
Surr: 1,2-Dichloroethane-d4				53.7	50.0		107.4			04/25/2011		
Surr: 4-Bromofluorobenzene				53.2	50.0		106.5			04/25/2011		
Surr: Dibromofluoromethane				55.0	50.0		110.0			04/25/2011		
Surr: Toluene-d8				48.6	50.0		97.2			04/25/2011		

Batch 67695		SampType: LCS		Units µg/L						
SampID: LCS-R110425-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		45.7	50.0	0	91.4	82.7	117	04/25/2011	
Ethylbenzene	5.0		46.4	50.0	0	92.9	83	113	04/25/2011	
Toluene	5.0		46.6	50.0	0	93.1	79.6	116	04/25/2011	
Xylenes, Total	5.0		145	150	0	96.7	80.3	120	04/25/2011	
Surr: 1,2-Dichloroethane-d4			54.7	50.0		109.4	74.7	129	04/25/2011	
Surr: 4-Bromofluorobenzene			53.4	50.0		106.7	86	119	04/25/2011	
Surr: Dibromofluoromethane			56.0	50.0		112.0	81.7	123	04/25/2011	
Surr: Toluene-d8			48.4	50.0		96.9	84.3	114	04/25/2011	

Batch 67695		SampType: MS		Units µg/L						
SampID: 11041056-001EMS										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene	2.0		57.5	46.0	22.20	76.7	57.8	125	04/25/2011	
Ethylbenzene	5.0		43.8	46.0	1.820	91.3	72.8	123	04/25/2011	
Toluene	5.0		48.2	46.0	9.940	83.2	75.8	123	04/25/2011	
Xylenes, Total	5.0		90.5	92.0	6.020	91.8	73	127	04/25/2011	
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.9	74.7	129	04/25/2011	
Surr: 4-Bromofluorobenzene			53.0	50.0		106.0	86	119	04/25/2011	
Surr: Dibromofluoromethane			55.4	50.0		110.9	81.7	123	04/25/2011	
Surr: Toluene-d8			47.0	50.0		94.1	84.3	114	04/25/2011	

Batch 67695		SampType: MSD	Units µg/L				RPD Limit 20		
SampID: 11041056-001EMSD									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		56.0	46.0	22.20	73.6	57.47	2.52	04/25/2011
Ethylbenzene	5.0		42.2	46.0	1.820	87.8	43.82	3.74	04/25/2011
Toluene	5.0		48.3	46.0	9.940	83.3	48.21	0.10	04/25/2011
Xylenes, Total	5.0		89.6	92.0	6.020	90.9	90.52	0.98	04/25/2011
Surr: 1,2-Dichloroethane-d4			53.1	50.0		106.2			04/25/2011
Surr: 4-Bromofluorobenzene			53.0	50.0		105.9			04/25/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67695		SampType: MSD		Units µg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: Dibromofluoromethane				54.7	50.0		109.3			04/25/2011
Surr: Toluene-d8				48.3	50.0		96.6			04/25/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041056

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 03-May-11

Carrier: Sean Spinner

Received By: JM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

25-Apr-11

25-Apr-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

May 02, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11041138

Dear Pete Sazama:

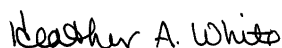
TEKLAB, INC received 1 sample on 4/26/2011 6:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11041138**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 02-May-11**Cooler Receipt Temp:** 4.8 °C

Locations and Accreditations

Collinsville

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Collinsville, IL 62234-7425

Phone (618) 344-1004

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Lenexa, KS 66214

Phone (913) 541-1998

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

Lab ID: 11041138-001

Client Sample ID: 4091 Treated

Matrix: AQUEOUS

Collection Date: 04/26/2011 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.15		1	04/26/2011 20:50	R148633
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		6	mg/L	1	04/27/2011 12:00	R148682
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		71	mg/L	1	04/27/2011 16:10	67748
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.045		Interference	mg/L	5	04/27/2011 9:32	R148712
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.041		0.172	mg/L	5	04/27/2011 9:32	R148712
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/27/2011 11:36	67713
Barium	NELAP	0.0050		0.768	mg/L	1	04/27/2011 11:36	67713
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	04/27/2011 11:36	67713
Chromium	NELAP	0.0100	J	0.0075	mg/L	1	04/27/2011 11:36	67713
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/27/2011 11:36	67713
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/27/2011 11:36	67713
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0012	mg/L	1	04/27/2011 14:59	67712
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/27/2011 9:30	67715
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00025	mg/L	1	04/27/2011 13:16	67699
Acenaphthylene	NELAP	0.00010		0.00044	mg/L	1	04/27/2011 13:16	67699
Anthracene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Chrysene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Fluorene	NELAP	0.00010		0.00015	mg/L	1	04/27/2011 13:16	67699
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Naphthalene	NELAP	0.00010		0.0167	mg/L	1	04/27/2011 13:16	67699
Phenanthrene	NELAP	0.00010		0.00018	mg/L	1	04/27/2011 13:16	67699
Pyrene	NELAP	0.00010		ND	mg/L	1	04/27/2011 13:16	67699
Total PNAs except Naphthalene		0.00013		0.00102	mg/L	1	04/27/2011 13:16	67699
Surr: 2-Fluorobiphenyl		34.3-105		60.4	%REC	1	04/27/2011 13:16	67699
Surr: 2-Fluorophenol		19.9-55.7		22.6	%REC	1	04/27/2011 13:16	67699
Surr: Nitrobenzene-d5		43-106		54.4	%REC	1	04/27/2011 13:16	67699
Surr: Phenol-d5		8.95-38.5		17.1	%REC	1	04/27/2011 13:16	67699
Surr: p-Terphenyl-d14		6.05-133		59.4	%REC	1	04/27/2011 13:16	67699
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		33.6	µg/L	1	04/26/2011 21:40	67731
Ethylbenzene	NELAP	5.0	J	2.9	µg/L	1	04/26/2011 21:40	67731



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

Lab ID: 11041138-001

Client Sample ID: 4091 Treated

Matrix: AQUEOUS

Collection Date: 04/26/2011 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		15.5	µg/L	1	04/26/2011 21:40	67731
Xylenes, Total	NELAP	5.0		10.6	µg/L	1	04/26/2011 21:40	67731
Surr: 1,2-Dichloroethane-d4		74.7-129		117.1	%REC	1	04/26/2011 21:40	67731
Surr: 4-Bromofluorobenzene		86-119		110.2	%REC	1	04/26/2011 21:40	67731
Surr: Dibromofluoromethane		81.7-123		113.8	%REC	1	04/26/2011 21:40	67731
Surr: Toluene-d8		84.3-114		93.3	%REC	1	04/26/2011 21:40	67731



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11041138-001	4091 Treated	Aqueous	5	04/26/2011 8:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11041138-001A	4091 Treated	04/26/2011 8:45	4/26/2011 6:05:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/26/2011 22:00	04/27/2011 13:16
11041138-001B	4091 Treated	04/26/2011 8:45	4/26/2011 6:05:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/26/2011 20:50
	Standard Methods 18th Ed. 2540 D			04/27/2011 12:00
	Standard Methods 18th Ed. 5210 B		04/27/2011 16:10	04/27/2011 16:10
11041138-001C	4091 Treated	04/26/2011 8:45	4/26/2011 6:05:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/27/2011 6:33	04/27/2011 11:36
	SW-846 3020A, Metals by GFAA (Total)		04/27/2011 6:29	04/27/2011 14:59
	SW-846 7470A (Total)		04/27/2011 7:29	04/27/2011 9:30
11041138-001D	4091 Treated	04/26/2011 8:45	4/26/2011 6:05:00 PM	
	SW-846 9012A			04/27/2011 9:32
	SW-846 9012A (Total)			04/27/2011 9:32
11041138-001E	4091 Treated	04/26/2011 8:45	4/26/2011 6:05:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/26/2011 21:40

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148633		SampType: LCS		Units					
SampID: LCS-R148633									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH	1.00		7.02	7.00	0	100.3	99.1	100.9	04/26/2011

Batch R148633		SampType: DUP		Units				RPD Limit 10			
SampID: 11041138-001BDUP											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.17				9.150	0.22	04/26/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R148682		SampType: MBLK		Units mg/L						
SampID: MB-R148682										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Suspended Solids		6		< 6						

Batch R148682		SampType: LCS		Units mg/L						
SampID: LCS-R148682										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		96	100	0	96.0	85	115	04/27/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	04/27/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	04/27/2011	

Batch R148682		SampType: DUP	Units mg/L					RPD Limit 15		
SampID: 11041138-001BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		6				6.000	0.00	04/27/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 67748		SampType: LCS		Units mg/L						
SampID: LCS-67748										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		184	198	0	92.9	84.6	115.4	04/27/2011

Batch 67748		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11041138-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		70				71.00	1.42	
										04/27/2011

SW-846 9012A (TOTAL)

Batch R148712		SampType: MBLK		Units mg/L						
SampID: MB-R148712										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						04/27/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

SW-846 9012A (TOTAL)

Batch R148712		SampType: LCS		Units mg/L						
SampID: LCS-R148712										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.008		0.025	0.025	0	98.8	85	115	04/27/2011	
Cyanide	0.007		0.025	0.025	0	98.7	90	110	04/27/2011	

Batch R148712		SampType: MS		Units mg/L						
SampID: 11041138-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.038		0.193	0.025	0.1723	81.6	75	125	04/27/2011

Batch R148712		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11041138-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.038		0.195	0.025	0.1723	92.3	0.1927	1.37	04/27/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67713		SampType: MBLK	Units mg/L							
SampID: MB-67713										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/27/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/27/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/27/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/27/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/27/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/27/2011	

Batch 67713		SampType: LCS		Units mg/L						
SampID: LCS-67713										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.10	2.00	0	105.2	85	115	04/27/2011
Barium		0.0050		2.12	2.00	0	105.8	85	115	04/27/2011
Cadmium		0.0020		0.0532	0.0500	0	106.4	85	115	04/27/2011
Chromium		0.0100		0.220	0.200	0	110.2	85	115	04/27/2011
Selenium		0.0500		2.02	2.00	0	101.1	85	115	04/27/2011
Silver		0.0100		0.0546	0.0500	0	109.2	85	115	04/27/2011

Batch 67713		SampType: MS		Units mg/L						
SampID: 11041138-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		2.09	2.00	0	104.4	75	125	04/27/2011
Barium		0.0050		2.74	2.00	0.7678	98.6	75	125	04/27/2011
Cadmium		0.0020		0.0493	0.0500	0.0003000	98.0	75	125	04/27/2011
Chromium		0.0100		0.213	0.200	0.007500	102.8	75	125	04/27/2011
Selenium		0.0500		2.04	2.00	0	102.0	75	125	04/27/2011
Silver		0.0100		0.0521	0.0500	0	104.2	75	125	04/27/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67713		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11041138-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.06	2.00	0	102.8	2.088	1.50	04/27/2011
Barium		0.0050		2.73	2.00	0.7678	97.9	2.740	0.51	04/27/2011
Cadmium		0.0020		0.0490	0.0500	0.0003000	97.4	0.04930	0.61	04/27/2011
Chromium		0.0100		0.205	0.200	0.007500	98.8	0.2132	3.87	04/27/2011
Selenium		0.0500		1.99	2.00	0	99.6	2.040	2.38	04/27/2011
Silver		0.0100		0.0484	0.0500	0	96.8	0.05210	7.36	04/27/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67712		SampType: MBLK		Units mg/L							
SampID: MB-67712											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020	J	0.0013	0.0020	0	63.2	-100	100	04/27/2011	

Batch 67712		SampType: LCS		Units mg/L						
SampID: LCS-67712										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0171	0.0150	0	114.0	80	120	04/27/2011

Batch 67712		SampType: MS		Units mg/L							
SampID: 11041138-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		0.0182	0.0150	0.001191	113.3	70	130	04/27/2011	

Batch 67712		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11041138-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0176	0.0150	0.001191	109.7	0.01819	3.07	04/27/2011

SW-846 7470A (TOTAL)

Batch 67715		SampType: MBLK		Units mg/L						
SampID: MB-67715										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	04/27/2011

Batch 67715		SampType: LCS		Units mg/L						
SampID: LCS-67715										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00502	0.00500	0	100.4	85	115	04/27/2011

Batch 67715		SampType: MS		Units mg/L						
SampID: 11041138-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00470	0.00500	0	94.0	75	125	04/27/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

SW-846 7470A (TOTAL)

Batch 67715		SampType: MS		Units mg/L							
SampID: 11041138-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 67715		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 11041138-001CMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.00020		0.00480	0.00500	0	96.0	0.004700	2.11	04/27/2011	

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67699	SampType: MBLK	Units mg/L							
SampID: MB-67699									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						04/27/2011
Acenaphthylene	0.00010		ND						04/27/2011
Anthracene	0.00010		ND						04/27/2011
Benzo(a)anthracene	0.00010		ND						04/27/2011
Benzo(a)pyrene	0.00010		ND						04/27/2011
Benzo(b)fluoranthene	0.00010		ND						04/27/2011
Benzo(g,h,i)perylene	0.00010		ND						04/27/2011
Benzo(k)fluoranthene	0.00010		ND						04/27/2011
Chrysene	0.00010		ND						04/27/2011
Dibenzo(a,h)anthracene	0.00010		ND						04/27/2011
Fluoranthene	0.00010		ND						04/27/2011
Fluorene	0.00010		ND						04/27/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/27/2011
Naphthalene	0.00010		ND						04/27/2011
Phenanthrene	0.00010		ND						04/27/2011
Pyrene	0.00010		ND						04/27/2011
Surr: 2-Fluorobiphenyl			0.00394	0.00500		78.8	45.4	97.6	04/27/2011
Surr: 2-Fluorophenol			0.00391	0.0100		39.1	24.9	63.7	04/27/2011
Surr: Nitrobenzene-d5			0.00388	0.00500		77.6	45.2	108	04/27/2011
Surr: Phenol-d5			0.00251	0.0100		25.1	15.5	39.5	04/27/2011
Surr: p-Terphenyl-d14			0.00439	0.00500		87.8	45.5	118	04/27/2011

Batch 67699		SampType: LCS		Units mg/L						
SampID: LCS-67699										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00363	0.00500	0	72.6	50.1	103	04/27/2011	
Acenaphthylene	0.00010		0.00359	0.00500	0	71.8	53.3	122	04/27/2011	
Anthracene	0.00010		0.00338	0.00500	0	67.6	57.4	110	04/27/2011	
Benzo(a)anthracene	0.00010		0.00329	0.00500	0	65.8	56	102	04/27/2011	
Benzo(a)pyrene	0.00010		0.00373	0.00500	0	74.6	55.4	125	04/27/2011	
Benzo(b)fluoranthene	0.00010		0.00374	0.00500	0	74.8	59.3	127	04/27/2011	
Benzo(g,h,i)perylene	0.00010		0.00364	0.00500	0	72.8	58.4	125	04/27/2011	
Benzo(k)fluoranthene	0.00010		0.00410	0.00500	0	82.0	61.5	125	04/27/2011	
Chrysene	0.00010		0.00353	0.00500	0	70.6	58.7	118	04/27/2011	
Dibenzo(a,h)anthracene	0.00010		0.00367	0.00500	0	73.4	59.3	126	04/27/2011	
Fluoranthene	0.00010		0.00372	0.00500	0	74.4	60.1	117	04/27/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67699		SampType: LCS		Units mg/L						
SampID: LCS-67699										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluorene		0.00010		0.00347	0.00500	0	69.4	54.1	110	04/27/2011
Indeno(1,2,3-cd)pyrene		0.00010		0.00363	0.00500	0	72.6	58.1	123	04/27/2011
Naphthalene		0.00010		0.00365	0.00500	0	73.0	36.3	97.1	04/27/2011
Phenanthrene		0.00010		0.00336	0.00500	0	67.2	55.9	107	04/27/2011
Pyrene		0.00010		0.00371	0.00500	0	74.2	61.4	116	04/27/2011
Surr: 2-Fluorobiphenyl				0.00378	0.00500		75.6	45.4	97.6	04/27/2011
Surr: 2-Fluorophenol				0.00332	0.0100		33.2	24.9	63.7	04/27/2011
Surr: Nitrobenzene-d5				0.00351	0.00500		70.2	45.2	108	04/27/2011
Surr: Phenol-d5				0.00229	0.0100		22.9	15.5	39.5	04/27/2011
Surr: p-Terphenyl-d14				0.00386	0.00500		77.2	45.5	118	04/27/2011

Batch 67699		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-67699										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00363	0.00500	0	72.6	0.003630	0.00		04/27/2011
Acenaphthylene	0.00010		0.00353	0.00500	0	70.6	0.003590	1.69		04/27/2011
Anthracene	0.00010		0.00354	0.00500	0	70.8	0.003380	4.62		04/27/2011
Benzo(a)anthracene	0.00010		0.00333	0.00500	0	66.6	0.003290	1.21		04/27/2011
Benzo(a)pyrene	0.00010		0.00375	0.00500	0	75.0	0.003730	0.53		04/27/2011
Benzo(b)fluoranthene	0.00010		0.00374	0.00500	0	74.8	0.003740	0.00		04/27/2011
Benzo(g,h,i)perylene	0.00010		0.00376	0.00500	0	75.2	0.003640	3.24		04/27/2011
Benzo(k)fluoranthene	0.00010		0.00411	0.00500	0	82.2	0.004100	0.24		04/27/2011
Chrysene	0.00010		0.00361	0.00500	0	72.2	0.003530	2.24		04/27/2011
Dibenzo(a,h)anthracene	0.00010		0.00369	0.00500	0	73.8	0.003670	0.54		04/27/2011
Fluoranthene	0.00010		0.00381	0.00500	0	76.2	0.003720	2.39		04/27/2011
Fluorene	0.00010		0.00369	0.00500	0	73.8	0.003470	6.15		04/27/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00366	0.00500	0	73.2	0.003630	0.82		04/27/2011
Naphthalene	0.00010		0.00355	0.00500	0	71.0	0.003650	2.78		04/27/2011
Phenanthrene	0.00010		0.00360	0.00500	0	72.0	0.003360	6.90		04/27/2011
Pyrene	0.00010		0.00390	0.00500	0	78.0	0.003710	4.99		04/27/2011
Surr: 2-Fluorobiphenyl			0.00335	0.00500		67.0				04/27/2011
Surr: 2-Fluorophenol			0.00297	0.0100		29.7				04/27/2011
Surr: Nitrobenzene-d5			0.00328	0.00500		65.6				04/27/2011
Surr: Phenol-d5			0.00197	0.0100		19.7				04/27/2011
Surr: p-Terphenyl-d14			0.00363	0.00500		72.6				04/27/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67731	SampType: MBLK	Units µg/L							
SampID: MBLK-R110426-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						04/26/2011
Ethylbenzene	5.0		ND						04/26/2011
Toluene	5.0		ND						04/26/2011
Xylenes, Total	5.0		ND						04/26/2011
Surr: 1,2-Dichloroethane-d4			57.4	50.0		114.7	74.7	129	04/26/2011
Surr: 4-Bromofluorobenzene			54.7	50.0		109.5	86	119	04/26/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67731 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-R110426-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Dibromofluoromethane			54.6	50.0		109.2	81.7	123	04/26/2011
Surr: Toluene-d8			47.9	50.0		95.8	84.3	114	04/26/2011

Batch 67731 **SampType:** LCSD Units $\mu\text{g/L}$

 RPD Limit **40**

SampID: LCSD-R110426-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		45.2	50.0	0	90.5	43.62	3.65	04/26/2011
Ethylbenzene	5.0		46.9	50.0	0	93.7	45.82	2.24	04/26/2011
Toluene	5.0		44.9	50.0	0	89.8	43.49	3.17	04/26/2011
Xylenes, Total	5.0		149	150	0	99.4	143.5	3.85	04/26/2011
Surr: 1,2-Dichloroethane-d4			56.8	50.0		113.7			04/26/2011
Surr: 4-Bromofluorobenzene			53.5	50.0		107.0			04/26/2011
Surr: Dibromofluoromethane			54.9	50.0		109.8			04/26/2011
Surr: Toluene-d8			46.8	50.0		93.5			04/26/2011

Batch 67731 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110426-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		43.6	50.0	0	87.2	82.7	117	04/26/2011
Ethylbenzene	5.0		45.8	50.0	0	91.6	83	113	04/26/2011
Toluene	5.0		43.5	50.0	0	87.0	79.6	116	04/26/2011
Xylenes, Total	5.0		143	150	0	95.6	80.3	120	04/26/2011
Surr: 1,2-Dichloroethane-d4			56.6	50.0		113.2	74.7	129	04/26/2011
Surr: 4-Bromofluorobenzene			52.5	50.0		104.9	86	119	04/26/2011
Surr: Dibromofluoromethane			54.5	50.0		108.9	81.7	123	04/26/2011
Surr: Toluene-d8			46.9	50.0		93.7	84.3	114	04/26/2011

Batch 67731 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11041138-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		68.6	46.0	33.55	76.2	57.8	125	04/26/2011
Ethylbenzene	5.0		44.2	46.0	2.900	89.7	72.8	123	04/26/2011
Toluene	5.0		52.7	46.0	15.54	80.7	75.8	123	04/26/2011
Xylenes, Total	5.0		99.3	92.0	10.59	96.4	73	127	04/26/2011
Surr: 1,2-Dichloroethane-d4			58.8	50.0		117.7	74.7	129	04/26/2011
Surr: 4-Bromofluorobenzene			53.8	50.0		107.5	86	119	04/26/2011
Surr: Dibromofluoromethane			58.6	50.0		117.3	81.7	123	04/26/2011
Surr: Toluene-d8			45.8	50.0		91.6	84.3	114	04/26/2011

Batch 67731 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11041138-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		65.2	46.0	33.55	68.8	68.58	5.04	04/26/2011
Ethylbenzene	5.0		43.7	46.0	2.900	88.7	44.17	1.02	04/26/2011
Toluene	5.0		51.4	46.0	15.54	77.9	52.68	2.52	04/26/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67731		SampType: MSD	Units µg/L					RPD Limit 20		
SampID: 11041138-001EMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Xylenes, Total		5.0		98.4	92.0	10.59	95.5	99.30	0.87	04/26/2011
Surr: 1,2-Dichloroethane-d4				61.5	50.0		123.0			04/26/2011
Surr: 4-Bromofluorobenzene				54.1	50.0		108.2			04/26/2011
Surr: Dibromofluoromethane				57.3	50.0		114.6			04/26/2011
Surr: Toluene-d8				45.3	50.0		90.6			04/26/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041138

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-May-11

Carrier: Marvin Darling

Received By: JM

Completed by: *Marvin L. Darling II*

Reviewed by: *Heather A. White*

On:

On:

26-Apr-11

27-Apr-11

Marvin L. Darling

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

1/04/138

COC Serial No. **B** 10010

Project Name: <u>Champaign MGP</u> Project Mgr.: <u>P. SAZAMA</u>		Analyses by Method Name and Number		Total Number of Containers	
Project Number: <u>624-0908-0120</u> Cost Code: <u>J0002</u>		BTEX (9260) SYNCH 8270 SIM PCRB METALS Total Ammonia N Cyanide TSS PH BODs		Comments (Field PID)	
Sampler(s): <u>E. BAILEY</u>		Matrix		Lab ID #'s	
Laboratory		Name: <u>TEKLAB</u>		1/04/138-cc1	
Location: <u>COLLINSVILLE</u>		Date		Rush	
Sample Number and (depth)		Time		Teklab, Inc.	
4091 Treated		4-26 8:45		Carrier Pick Up	
Other * Wipes Air Water Soil		X		1 DAY	

Laboratory
Temperature upon
Receipt
4.8°C

✓ per spec - 4-26-11
Zero head-
space
4/26/11

Samples Iced: ☐ Yes ☐ No		Lab Directives:	
Preservatives (ONLY for Water Samples)		Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
☒ Volatile Organics Hydrochloric acid (HCl)		Fax and/or Mail Results to: <u>P. SAZAMA & L. HANSEN</u>	
☐ VOC Soil (5035) Sodium Bisulfate/Methanol		Send Invoice to: _____	
☐ TPH Hydrochloric acid and/or Sulfuric acid		QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other	
☒ Metals Nitric acid (HNO ₃)		Special Guidelines: _____	
☒ Cyanide Sodium hydroxide (NaOH)		Reporting Limits: _____	
☐ Other (Specify)		* Special: _____	

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature		Signature	
		4-26-11 2:30		4/26/11 1430	
		4-26-11 1720		4/26/11 1720	
		4-26-11 1805		4-26-11 1805	

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler
PE-179 (6/03)

Shaded Areas to be Completed by Lab

May 04, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11041268

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 4/28/2011 5:10:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11041268**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 04-May-11**Cooler Receipt Temp:** 5.0 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

Lab ID: 11041268-001

Client Sample ID: 30984 Treated

Matrix: AQUEOUS

Collection Date: 04/28/2011 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.82		1	04/28/2011 17:20	R148770
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	04/29/2011 9:00	R148776
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		57	mg/L	1	04/29/2011 14:10	67818
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.038		< 0.038	mg/L	5	04/29/2011 12:03	R148819
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.038		0.127	mg/L	5	04/29/2011 12:03	R148819
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	04/29/2011 12:44	67797
Barium	NELAP	0.0050		0.418	mg/L	1	04/29/2011 12:44	67797
Cadmium	NELAP	0.0020	J	0.0004	mg/L	1	04/29/2011 12:44	67797
Chromium	NELAP	0.0100	J	0.0040	mg/L	1	04/29/2011 12:44	67797
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	04/29/2011 12:44	67797
Silver	NELAP	0.0100		< 0.0100	mg/L	1	04/29/2011 12:44	67797
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	04/29/2011 12:45	67796
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	04/29/2011 12:00	67793
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Anthracene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Chrysene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Fluoranthene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Fluorene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Naphthalene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Phenanthrene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Pyrene	NELAP	0.00010		ND	mg/L	1	04/29/2011 15:01	67767
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	04/29/2011 15:01	67767
Surr: 2-Fluorobiphenyl		34.3-105		75.2	%REC	1	04/29/2011 15:01	67767
Surr: 2-Fluorophenol		19.9-55.7		31.3	%REC	1	04/29/2011 15:01	67767
Surr: Nitrobenzene-d5		43-106		70.2	%REC	1	04/29/2011 15:01	67767
Surr: Phenol-d5		8.95-38.5		19.6	%REC	1	04/29/2011 15:01	67767
Surr: p-Terphenyl-d14		6.05-133		92.8	%REC	1	04/29/2011 15:01	67767
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	04/29/2011 5:55	67812
Ethylbenzene	NELAP	5.0		ND	µg/L	1	04/29/2011 5:55	67812



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

Lab ID: 11041268-001

Client Sample ID: 30984 Treated

Matrix: AQUEOUS

Collection Date: 04/28/2011 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	04/29/2011 5:55	67812
Xylenes, Total	NELAP	5.0		ND	µg/L	1	04/29/2011 5:55	67812
Surr: 1,2-Dichloroethane-d4		74.7-129		94.4	%REC	1	04/29/2011 5:55	67812
Surr: 4-Bromofluorobenzene		86-119		97.5	%REC	1	04/29/2011 5:55	67812
Surr: Dibromofluoromethane		81.7-123		101.1	%REC	1	04/29/2011 5:55	67812
Surr: Toluene-d8		84.3-114		99.7	%REC	1	04/29/2011 5:55	67812



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11041268-001	30984 Treated	Aqueous	5	04/28/2011 9:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11041268-001A	30984 Treated	04/28/2011 9:45	4/28/2011 5:10:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		04/28/2011 22:18	04/29/2011 15:01
11041268-001B	30984 Treated	04/28/2011 9:45	4/28/2011 5:10:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			04/28/2011 17:20
	Standard Methods 18th Ed. 2540 D			04/29/2011 9:00
	Standard Methods 18th Ed. 5210 B		04/29/2011 14:10	04/29/2011 14:10
11041268-001C	30984 Treated	04/28/2011 9:45	4/28/2011 5:10:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		04/29/2011 8:41	04/29/2011 12:44
	SW-846 3020A, Metals by GFAA (Total)		04/29/2011 8:36	04/29/2011 12:45
	SW-846 7470A (Total)		04/29/2011 7:29	04/29/2011 12:00
11041268-001D	30984 Treated	04/28/2011 9:45	4/28/2011 5:10:00 PM	
	SW-846 9012A			04/29/2011 12:03
	SW-846 9012A (Total)			04/29/2011 12:03
11041268-001E	30984 Treated	04/28/2011 9:45	4/28/2011 5:10:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			04/29/2011 5:55

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148770		SampType: LCS		Units						
SampID: LCS-R148770										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.9	04/28/2011

Batch R148770		SampType: DUP		Units				RPD Limit 10		
SampID: 11041268-001BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lab pH		1.00		8.84				8.820	0.23	04/28/2011

STANDARD METHODS 18TH ED. 2540 D

Batch R148776		SampType: MBLK		Units mg/L							
SampID: MB-R148776											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						04/29/2011	

Batch R148776		SampType: LCS		Units mg/L						
SampID: LCS-R148776										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		96	100	0	96.0	85	115	04/29/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	04/29/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	04/29/2011	
Total Suspended Solids	6		95	100	0	95.0	85	115	04/29/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	04/29/2011	

Batch R148776		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11041268-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		< 6				0	0.00	04/29/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 67818		SampType: LCS		Units mg/L						
SampID: LCS-67818										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		183	198	0	92.4	84.6	115.4	04/29/2011

Batch 67818		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11041268-001B-DUP											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		55				57.00	3.57	04/29/2011	

SW-846 9012A (TOTAL)

Batch R148819		SampType: MBLK		Units mg/L							
SampID: MB-R148819											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.007		< 0.007						04/29/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

SW-846 9012A (TOTAL)

Batch R148819		SampType: MBLK		Units mg/L						
SampID: MB-R148819										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.007		< 0.007						04/29/2011

Batch R148819		SampType: LCS		Units mg/L					
SampID: LCS-R148819									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.008		0.023	0.025	0	90.1	85	115	04/29/2011
Cyanide	0.008		0.023	0.025	0	90.1	90	110	04/29/2011

Batch R148819		SampType: MS		Units mg/L						
SampID: 11041268-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.039		0.146	0.025	0.1266	76.0	75	125	04/29/2011

Batch R148819		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11041268-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.036		0.150	0.025	0.1266	92.3	0.1456	2.76	04/29/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67797		SampType: MBLK		Units mg/L						
SampID: MB-67797										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	04/29/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	04/29/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	04/29/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	04/29/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	04/29/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	04/29/2011	

Batch 67797		SampType: LCS		Units mg/L						
SampID: LCS-67797										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		1.95	2.00	0	97.6	85	115	04/29/2011
Barium		0.0050		1.99	2.00	0	99.5	85	115	04/29/2011
Cadmium		0.0020		0.0498	0.0500	0	99.6	85	115	04/29/2011
Chromium		0.0100		0.216	0.200	0	108.1	85	115	04/29/2011
Selenium		0.0500		1.98	2.00	0	99.2	85	115	04/29/2011
Silver		0.0100		0.0514	0.0500	0	102.8	85	115	04/29/2011

Batch 67797		SampType: MS		Units mg/L						
SampID: 11041268-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.98	2.00	0	98.8	75	125	04/29/2011	
Barium	0.0050		2.33	2.00	0.4175	95.5	75	125	04/29/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 67797 **SampType:** MS **Units mg/L**
SampID: 11041268-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	0.0020		0.0490	0.0500	0.0004000	97.2	75	125	04/29/2011
Chromium	0.0100		0.198	0.200	0.004000	96.8	75	125	04/29/2011
Selenium	0.0500		1.93	2.00	0	96.6	75	125	04/29/2011
Silver	0.0100		0.0423	0.0500	0	84.6	75	125	04/29/2011

Batch 67797 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11041268-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		1.96	2.00	0	97.9	1.976	0.97	04/29/2011
Barium	0.0050		2.31	2.00	0.4175	94.7	2.328	0.73	04/29/2011
Cadmium	0.0020		0.0485	0.0500	0.0004000	96.2	0.04900	1.03	04/29/2011
Chromium	0.0100		0.202	0.200	0.004000	99.0	0.1976	2.20	04/29/2011
Selenium	0.0500		1.93	2.00	0	96.6	1.932	0.00	04/29/2011
Silver	0.0100		0.0403	0.0500	0	80.6	0.04230	4.84	04/29/2011

SW-846 3020A, METALS BY GFAA (TOTAL)
Batch 67796 **SampType:** MBLK **Units mg/L**
SampID: MB-67796

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	< 0.0020	0.0020	0	0	-100	100	04/29/2011

Batch 67796 **SampType:** LCS **Units mg/L**
SampID: LCS-67796

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0167	0.0150	0	111.5	80	120	04/29/2011

Batch 67796 **SampType:** MS **Units mg/L**
SampID: 11041268-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0123	0.0150	0	82.0	70	130	04/29/2011

Batch 67796 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11041268-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	0.0126	0.0150	0	84.3	0.01229	2.81	04/29/2011

SW-846 7470A (TOTAL)
Batch 67793 **SampType:** MBLK **Units mg/L**
SampID: MB-67793

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	04/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

SW-846 7470A (TOTAL)

Batch 67793		SampType: LCS		Units mg/L						
SampID: LCS-67793										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00522	0.00500	0	104.4	85	115	04/29/2011	

Batch 67793		SampType: MS		Units mg/L					
SampID: 11041268-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		0.00470	0.00500	0	94.0	75	125	04/29/2011

Batch 67793		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11041268-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00468	0.00500	0	93.6	0.004700	0.43	04/29/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67767		SampType: MBLK		Units mg/L						
SampID: MB-67767										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						04/29/2011	
Acenaphthylene	0.00010		ND						04/29/2011	
Anthracene	0.00010		ND						04/29/2011	
Benzo(a)anthracene	0.00010		ND						04/29/2011	
Benzo(a)pyrene	0.00010		ND						04/29/2011	
Benzo(b)fluoranthene	0.00010		ND						04/29/2011	
Benzo(g,h,i)perylene	0.00010		ND						04/29/2011	
Benzo(k)fluoranthene	0.00010		ND						04/29/2011	
Chrysene	0.00010		ND						04/29/2011	
Dibenzo(a,h)anthracene	0.00010		ND						04/29/2011	
Fluoranthene	0.00010		ND						04/29/2011	
Fluorene	0.00010		ND						04/29/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						04/29/2011	
Naphthalene	0.00010		ND						04/29/2011	
Phenanthrene	0.00010		ND						04/29/2011	
Pyrene	0.00010		ND						04/29/2011	
Surr: 2-Fluorobiphenyl			0.00357	0.00500		71.4	45.4	97.6	04/29/2011	
Surr: 2-Fluorophenol			0.00397	0.0100		39.7	24.9	63.7	04/29/2011	
Surr: Nitrobenzene-d5			0.00353	0.00500		70.6	45.2	108	04/29/2011	
Surr: Phenol-d5			0.00285	0.0100		28.5	15.5	39.5	04/29/2011	
Surr: p-Terphenyl-d14			0.00489	0.00500		97.8	45.5	118	04/29/2011	

Batch 67767		SampType: LCS		Units mg/L						
SampID: LCS-67767										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00437	0.00500	0	87.4	50.1	103	04/29/2011	
Acenaphthylene	0.00010		0.00436	0.00500	0	87.2	53.3	122	04/29/2011	
Anthracene	0.00010		0.00424	0.00500	0	84.8	57.4	110	04/29/2011	
Benzo(a)anthracene	0.00010		0.00439	0.00500	0	87.8	56	102	04/29/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67767		SampType: LCS		Units mg/L						
SampID: LCS-67767										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(a)pyrene	0.00010		0.00480	0.00500	0	96.0	55.4	125	04/29/2011	
Benzo(b)fluoranthene	0.00010		0.00489	0.00500	0	97.8	59.3	127	04/29/2011	
Benzo(g,h,i)perylene	0.00010		0.00478	0.00500	0	95.6	58.4	125	04/29/2011	
Benzo(k)fluoranthene	0.00010		0.00475	0.00500	0	95.0	61.5	125	04/29/2011	
Chrysene	0.00010		0.00449	0.00500	0	89.8	58.7	118	04/29/2011	
Dibenzo(a,h)anthracene	0.00010		0.00505	0.00500	0	101.0	59.3	126	04/29/2011	
Fluoranthene	0.00010		0.00505	0.00500	0	101.0	60.1	117	04/29/2011	
Fluorene	0.00010		0.00473	0.00500	0	94.6	54.1	110	04/29/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00501	0.00500	0	100.2	58.1	123	04/29/2011	
Naphthalene	0.00010		0.00425	0.00500	0	85.0	36.3	97.1	04/29/2011	
Phenanthrene	0.00010		0.00447	0.00500	0	89.4	55.9	107	04/29/2011	
Pyrene	0.00010		0.00487	0.00500	0	97.4	61.4	116	04/29/2011	
Surr: 2-Fluorobiphenyl			0.00421	0.00500		84.2	45.4	97.6	04/29/2011	
Surr: 2-Fluorophenol			0.00430	0.0100		43.0	24.9	63.7	04/29/2011	
Surr: Nitrobenzene-d5			0.00398	0.00500		79.6	45.2	108	04/29/2011	
Surr: Phenol-d5			0.00297	0.0100		29.7	15.5	39.5	04/29/2011	
Surr: p-Terphenyl-d14			0.00496	0.00500		99.2	45.5	118	04/29/2011	

Batch 67767		SampType: LCSD		Units mg/L				RPD Limit 50	
SampID: LCSD-67767									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.00010		0.00441	0.00500	0	88.2	0.004370	0.91	04/29/2011
Acenaphthylene	0.00010		0.00435	0.00500	0	87.0	0.004360	0.23	04/29/2011
Anthracene	0.00010		0.00404	0.00500	0	80.8	0.004240	4.83	04/29/2011
Benzo(a)anthracene	0.00010		0.00422	0.00500	0	84.4	0.004390	3.95	04/29/2011
Benzo(a)pyrene	0.00010		0.00454	0.00500	0	90.8	0.004800	5.57	04/29/2011
Benzo(b)fluoranthene	0.00010		0.00462	0.00500	0	92.4	0.004890	5.68	04/29/2011
Benzo(g,h,i)perylene	0.00010		0.00459	0.00500	0	91.8	0.004780	4.06	04/29/2011
Benzo(k)fluoranthene	0.00010		0.00433	0.00500	0	86.6	0.004750	9.25	04/29/2011
Chrysene	0.00010		0.00460	0.00500	0	92.0	0.004490	2.42	04/29/2011
Dibenzo(a,h)anthracene	0.00010		0.00476	0.00500	0	95.2	0.005050	5.91	04/29/2011
Fluoranthene	0.00010		0.00460	0.00500	0	92.0	0.005050	9.33	04/29/2011
Fluorene	0.00010		0.00453	0.00500	0	90.6	0.004730	4.32	04/29/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00475	0.00500	0	95.0	0.005010	5.33	04/29/2011
Naphthalene	0.00010		0.00422	0.00500	0	84.4	0.004250	0.71	04/29/2011
Phenanthrene	0.00010		0.00428	0.00500	0	85.6	0.004470	4.34	04/29/2011
Pyrene	0.00010		0.00482	0.00500	0	96.4	0.004870	1.03	04/29/2011
Surr: 2-Fluorobiphenyl			0.00417	0.00500		83.4			04/29/2011
Surr: 2-Fluorophenol			0.00410	0.0100		41.0			04/29/2011
Surr: Nitrobenzene-d5			0.00405	0.00500		81.0			04/29/2011
Surr: Phenol-d5			0.00280	0.0100		28.0			04/29/2011
Surr: p-Terphenyl-d14			0.00510	0.00500		102.0			04/29/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67812 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-N110428-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						04/29/2011
Ethylbenzene	5.0		ND						04/29/2011
Toluene	5.0		ND						04/29/2011
Xylenes, Total	5.0		ND						04/29/2011
Surr: 1,2-Dichloroethane-d4			46.0	50.0		92.1	74.7	129	04/29/2011
Surr: 4-Bromofluorobenzene			48.9	50.0		97.9	86	119	04/29/2011
Surr: Dibromofluoromethane			50.3	50.0		100.6	81.7	123	04/29/2011
Surr: Toluene-d8			50.0	50.0		99.9	84.3	114	04/29/2011

Batch 67812 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-N110428-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.6	50.0	0	101.2	49.86	1.51	04/29/2011
Ethylbenzene	5.0		52.6	50.0	0	105.1	50.39	4.23	04/29/2011
Toluene	5.0		52.6	50.0	0	105.2	50.65	3.74	04/29/2011
Xylenes, Total	5.0		164	150	0	109.2	158.6	3.24	04/29/2011
Surr: 1,2-Dichloroethane-d4			45.6	50.0		91.3			04/29/2011
Surr: 4-Bromofluorobenzene			48.6	50.0		97.2			04/29/2011
Surr: Dibromofluoromethane			50.0	50.0		100.1			04/29/2011
Surr: Toluene-d8			49.9	50.0		99.8			04/29/2011

Batch 67812 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-N110428-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		49.9	50.0	0	99.7	82.7	117	04/29/2011
Ethylbenzene	5.0		50.4	50.0	0	100.8	83	113	04/29/2011
Toluene	5.0		50.6	50.0	0	101.3	79.6	116	04/29/2011
Xylenes, Total	5.0		159	150	0	105.7	80.3	120	04/29/2011
Surr: 1,2-Dichloroethane-d4			46.6	50.0		93.1	74.7	129	04/29/2011
Surr: 4-Bromofluorobenzene			49.5	50.0		99.0	86	119	04/29/2011
Surr: Dibromofluoromethane			50.4	50.0		100.7	81.7	123	04/29/2011
Surr: Toluene-d8			49.0	50.0		97.9	84.3	114	04/29/2011

Batch 67812 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11041268-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		53.2	48.0	0	110.9	57.8	125	04/29/2011
Ethylbenzene	5.0		55.0	48.0	0	114.7	72.8	123	04/29/2011
Toluene	5.0		54.3	48.0	0	113.1	75.8	123	04/29/2011
Xylenes, Total	5.0		111	96.0	0	116.0	73	127	04/29/2011
Surr: 1,2-Dichloroethane-d4			47.4	50.0		94.8	74.7	129	04/29/2011
Surr: 4-Bromofluorobenzene			49.0	50.0		98.0	86	119	04/29/2011
Surr: Dibromofluoromethane			49.9	50.0		99.7	81.7	123	04/29/2011
Surr: Toluene-d8			48.7	50.0		97.4	84.3	114	04/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67812		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11041268-001EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		51.5	48.0	0	107.3	53.21	3.27	04/29/2011
Ethylbenzene		5.0		54.2	48.0	0	112.8	55.05	1.63	04/29/2011
Toluene		5.0		54.0	48.0	0	112.5	54.30	0.55	04/29/2011
Xylenes, Total		5.0		111	96.0	0	116.1	111.3	0.09	04/29/2011
Surr: 1,2-Dichloroethane-d4				46.9	50.0		93.7			04/29/2011
Surr: 4-Bromofluorobenzene				48.5	50.0		97.1			04/29/2011
Surr: Dibromofluoromethane				50.3	50.0		100.5			04/29/2011
Surr: Toluene-d8				49.3	50.0		98.7			04/29/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11041268

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 04-May-11

Carrier: Sean Spinner

Received By: JM

Completed by:

On:

28-Apr-11

Timothy W. Mathis

Reviewed by:

On:

29-Apr-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10011

Project Name: Champaign MGP Project Mgr.: P. SAZAMA

Project Number: 624-0908-0120 Cost Code: 5100

Sampler(s): E. BAIDG

Laboratory Name: TEKLAB

Location: COLLINGSVILLE

Sample Number and (depth) _____ Date _____ Time _____

30984 Treated 4-28-11 9:45

Total Number of Containers

Analyses by Method Name and Number

Matrix	Soil	Water	Air	Wipes	Other *

BTX (220) X X X X X X
SVOC (220) X X X X X X
PCB METALS X
Total Petroleum Hydrocarbons X
Cyanide X
TSS X
pH X
BODs X

Laboratory Temperature upon Receipt
5.0

RES ✓ in 4-28-11

Comments (Field PID)

RUSH

Lab ID #'s

11041268-001

1 DAY

Teklab, Inc.

Courier Pick Up

Samples Iced: ☐ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☒ Volatile Organics Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) Sodium Bisulfate/Methanol
- ☐ TPH Hydrochloric acid and/or Sulfuric acid
- ☒ Metals Nitric acid (HNO₃)
- ☒ Cyanide Sodium hydroxide (NaOH)
- ☐ Other (Specify)

Lab Directives:

- Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
- Fax and/or Mail Results to: P. SAZAMA + L. HODGINS
- Send Invoice to: _____
- QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
- Special Guidelines: _____
- Reporting Limits: _____
- * Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

May 09, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11050109

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/3/2011 11:25:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11050109**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 09-May-11**Cooler Receipt Temp:** 6.0 °C**Locations and Accreditations****Collinsville**

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

Lab ID: 11050109-001

Client Sample ID: 4419-treated-5/3/11

Matrix: AQUEOUS

Collection Date: 05/03/2011 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.24		1	05/03/2011 16:24	R148951
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	05/04/2011 11:30	R149013
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		28	mg/L	1	05/04/2011 14:00	67923
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.040		< 0.040	mg/L	5	05/04/2011 11:07	R148964
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.040		0.116	mg/L	5	05/04/2011 11:07	R148964
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.011	mg/L	1	05/04/2011 10:47	67872
Barium	NELAP	0.0050		0.668	mg/L	1	05/04/2011 10:47	67872
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/04/2011 10:47	67872
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	05/04/2011 10:47	67872
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	05/04/2011 10:47	67872
Silver	NELAP	0.0100		< 0.0100	mg/L	1	05/04/2011 10:47	67872
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	05/04/2011 13:31	R149007
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/04/2011 0:00	67883
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Anthracene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Chrysene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Fluoranthene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Fluorene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Naphthalene	NELAP	0.00010		0.00011	mg/L	1	05/04/2011 19:49	67860
Phenanthrene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Pyrene	NELAP	0.00010		ND	mg/L	1	05/04/2011 19:49	67860
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	05/04/2011 19:49	67860
Surr: 2-Fluorobiphenyl		34.3-105		85.2	%REC	1	05/04/2011 19:49	67860
Surr: 2-Fluorophenol		19.9-55.7	S	17.4	%REC	1	05/04/2011 19:49	67860
Surr: Nitrobenzene-d5		43-106		93.8	%REC	1	05/04/2011 19:49	67860
Surr: Phenol-d5		8.95-38.5		23.2	%REC	1	05/04/2011 19:49	67860
Surr: p-Terphenyl-d14		6.05-133		86.8	%REC	1	05/04/2011 19:49	67860

Surrogate recovery was outside QC limits due to matrix interference.

Surrogate p-Terphenyl-d14 recovery was outside QC limits in the LCS and LCSD.

Marginal Exceedance for Acenaphthene and Benzo(g,h,i)perylene in the LCSD is verified per NELAC Appendix D 1.1.2



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

Lab ID: 11050109-001

Client Sample ID: 4419-treated-5/3/11

Matrix: AQUEOUS

Collection Date: 05/03/2011 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	05/03/2011 14:39	67910
Ethylbenzene	NELAP	5.0		ND	µg/L	1	05/03/2011 14:39	67910
Toluene	NELAP	5.0		ND	µg/L	1	05/03/2011 14:39	67910
Xylenes, Total	NELAP	5.0		ND	µg/L	1	05/03/2011 14:39	67910
Surr: 1,2-Dichloroethane-d4		74.7-129		99.6	%REC	1	05/03/2011 14:39	67910
Surr: 4-Bromofluorobenzene		86-119		100.6	%REC	1	05/03/2011 14:39	67910
Surr: Dibromofluoromethane		81.7-123		101.9	%REC	1	05/03/2011 14:39	67910
Surr: Toluene-d8		84.3-114		98.4	%REC	1	05/03/2011 14:39	67910



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11050109-001	4419-treated-5/3/11	Aqueous	5	05/03/2011 8:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11050109-001A	4419-treated-5/3/11	05/03/2011 8:00	5/3/2011 11:25:00 AM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		05/03/2011 17:00	05/04/2011 19:49
11050109-001B	4419-treated-5/3/11	05/03/2011 8:00	5/3/2011 11:25:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			05/03/2011 16:24
	Standard Methods 18th Ed. 2540 D			05/04/2011 11:30
	Standard Methods 18th Ed. 5210 B		05/04/2011 14:00	05/04/2011 14:00
11050109-001C	4419-treated-5/3/11	05/03/2011 8:00	5/3/2011 11:25:00 AM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		05/03/2011 13:54	05/04/2011 10:47
	SW-846 3020A, Metals by GFAA (Total)			05/04/2011 13:31
	SW-846 7470A (Total)		05/03/2011 14:08	05/04/2011 0:00
11050109-001D	4419-treated-5/3/11	05/03/2011 8:00	5/3/2011 11:25:00 AM	
	SW-846 9012A			05/04/2011 11:07
	SW-846 9012A (Total)			05/04/2011 11:07
11050109-001E	4419-treated-5/3/11	05/03/2011 8:00	5/3/2011 11:25:00 AM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/03/2011 14:39

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R148951		SampType: LCS		Units							
SampID: LCS-R148951											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.9	05/03/2011	

Batch R148951		SampType: DUP		Units				RPD Limit 10		
SampID: 11050109-001BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lab pH		1.00		8.24				8.240	0.00	05/03/2011

STANDARD METHODS 18TH ED. 2540 D

Batch R149013		SampType: MBLK		Units mg/L						
SampID: MB-R149013										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		< 6						05/04/2011	
Total Suspended Solids	6		< 6						05/04/2011	

Batch R149013		SampType: LCS		Units mg/L						
SampID: LCS-R149013										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		88	100	0	88.0	85	115	05/04/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	05/04/2011	
Total Suspended Solids	6		89	100	0	89.0	85	115	05/04/2011	

Batch R149013		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11050109-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	05/04/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 67923		SampType: LCS		Units mg/L						
SampID: LCS-67923										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		198	198	0	100	84.6	115.4	05/04/2011

Batch 67923		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11050109-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		28				28.00	0.00	05/04/2011	

SW-846 9012A (TOTAL)

Batch R148964		SampType: MBLK		Units mg/L						
SampID: MB-R148964										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						05/04/2011
Cyanide		0.007		< 0.007						05/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

SW-846 9012A (TOTAL)

Batch R148964		SampType: MBLK		Units mg/L						
SampID: MB-R148964										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						05/03/2011

Batch R148964		SampType: LCS		Units mg/L						
SampID: LCS-R148964										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.007		0.024	0.025	0	96.2	85	115	05/04/2011	
Cyanide	0.008		0.025	0.025	0	100	85	115	05/03/2011	
Cyanide	0.007		0.024	0.025	0	96.8	85	115	05/03/2011	

Batch R148964		SampType: MS		Units mg/L						
SampID: 11050109-001DMS										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.036		0.136	0.025	0.1160	77.9	75	125	05/04/2011	

Batch R148964		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11050109-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide		0.037		0.135	0.025	0.1160	75.5	0.1355	0.45	05/04/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67872		SampType: MBLK		Units mg/L						
SampID: MB-67872										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	05/04/2011	
Barium	0.0050	J	0.0040	0.0050	0	80.0	-100	100	05/04/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	05/04/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	05/04/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	05/04/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	05/04/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	05/04/2011	

Batch 67872		SampType: LCS		Units mg/L						
SampID: LCS-67872										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		2.15	2.00	0	107.5	85	115	05/04/2011	
Barium	0.0050		2.10	2.00	0	105.1	85	115	05/04/2011	
Cadmium	0.0020		0.0528	0.0500	0	105.6	85	115	05/04/2011	
Chromium	0.0100		0.218	0.200	0	109.2	85	115	05/04/2011	
Chromium	0.0100		0.205	0.200	0	102.4	85	115	05/04/2011	
Selenium	0.0500		2.06	2.00	0	102.9	85	115	05/04/2011	
Silver	0.0100		0.0537	0.0500	0	107.4	85	115	05/04/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 67872 **SampType:** MS Units **mg/L**

SampID: 11050109-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.07	2.00	0.01090	103.2	75	125	05/04/2011
Barium	0.0050		2.55	2.00	0.6685	93.9	75	125	05/04/2011
Cadmium	0.0020		0.0481	0.0500	0	96.2	75	125	05/04/2011
Chromium	0.0100		0.201	0.200	0	100.5	75	125	05/04/2011
Selenium	0.0500		1.95	2.00	0	97.4	75	125	05/04/2011
Silver	0.0100		0.0485	0.0500	0	97.0	75	125	05/04/2011

Batch 67872 **SampType:** MSD Units **mg/L**

 RPD Limit **20**

SampID: 11050109-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		2.13	2.00	0.01090	105.9	2.074	2.62	05/04/2011
Barium	0.0050		2.66	2.00	0.6685	99.6	2.546	4.42	05/04/2011
Cadmium	0.0020		0.0499	0.0500	0	99.8	0.04810	3.67	05/04/2011
Chromium	0.0100		0.206	0.200	0	103.2	0.2009	2.65	05/04/2011
Selenium	0.0500		2.01	2.00	0	100.7	1.947	3.38	05/04/2011
Silver	0.0100		0.0511	0.0500	0	102.2	0.04850	5.22	05/04/2011

SW-846 3020A, METALS BY GFAA (TOTAL)
Batch R149007 **SampType:** MBLK Units **mg/L**

SampID: MB-67878

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	< 0.0020	0.0020	0	0	-100	100	05/04/2011

Batch R149007 **SampType:** LCS Units **mg/L**

SampID: LCS-67878

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0175	0.0150	0	116.6	80	120	05/04/2011

Batch R149007 **SampType:** MS Units **mg/L**

SampID: 11050109-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0139	0.0150	0	92.4	70	130	05/04/2011

Batch R149007 **SampType:** MSD Units **mg/L**

 RPD Limit **20**

SampID: 11050109-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	0.0127	0.0150	0	85.0	0.01386	8.33	05/04/2011

SW-846 7470A (TOTAL)
Batch 67883 **SampType:** MBLK Units **mg/L**

SampID: MB-67883

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	05/04/2011

Client: PSC Industrial Outsourcing, LP

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Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

SW-846 7470A (TOTAL)

Batch 67883		SampType: MBLK		Units mg/L							
SampID: MB-67883											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 67883		SampType: LCS		Units mg/L						
SampID: LCS-67883										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00492	0.00500	0	98.4	85	115	05/04/2011

Batch 67883		SampType: MS		Units mg/L						
SampID: 11050109-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00458	0.00500	0	91.6	75	125	05/04/2011

Batch 67883		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11050109-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Mercury		0.00020		0.00455	0.00500	0	91.0	0.004580	0.66	05/04/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67860	SampType: MBLK	Units mg/L								
SampID: MB-67860										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						05/04/2011	
Acenaphthylene	0.00010		ND						05/04/2011	
Anthracene	0.00010		ND						05/04/2011	
Benzo(a)anthracene	0.00010		ND						05/04/2011	
Benzo(a)pyrene	0.00010		ND						05/04/2011	
Benzo(b)fluoranthene	0.00010		ND						05/04/2011	
Benzo(g,h,i)perylene	0.00010		ND						05/04/2011	
Benzo(k)fluoranthene	0.00010		ND						05/04/2011	
Chrysene	0.00010		ND						05/04/2011	
Dibenzo(a,h)anthracene	0.00010		ND						05/04/2011	
Fluoranthene	0.00010		ND						05/04/2011	
Fluorene	0.00010		ND						05/04/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						05/04/2011	
Naphthalene	0.00010		ND						05/04/2011	
Phenanthrene	0.00010		ND						05/04/2011	
Pyrene	0.00010		ND						05/04/2011	
Surr: 2-Fluorobiphenyl			0.00402	0.00500		80.4	45.4	97.6	05/04/2011	
Surr: 2-Fluorophenol			0.00355	0.0100		35.5	24.9	63.7	05/04/2011	
Surr: Nitrobenzene-d5			0.00459	0.00500		91.8	45.2	108	05/04/2011	
Surr: Phenol-d5			0.00269	0.0100		26.9	15.5	39.5	05/04/2011	
Surr: p-Terphenyl-d14			0.00576	0.00500		115.2	45.5	118	05/04/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67860		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-67860										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00484	0.00500	0	96.8	50.1	103	05/04/2011	
Acenaphthylene	0.00010		0.00468	0.00500	0	93.6	53.3	122	05/04/2011	
Anthracene	0.00010		0.00428	0.00500	0	85.6	57.4	110	05/04/2011	
Benzo(a)anthracene	0.00010		0.00449	0.00500	0	89.8	56	102	05/04/2011	
Benzo(a)pyrene	0.00010		0.00514	0.00500	0	102.8	55.4	125	05/04/2011	
Benzo(b)fluoranthene	0.00010		0.00580	0.00500	0	116.0	59.3	127	05/04/2011	
Benzo(g,h,i)perylene	0.00010		0.00610	0.00500	0	122.0	58.4	125	05/04/2011	
Benzo(k)fluoranthene	0.00010		0.00549	0.00500	0	109.8	61.5	125	05/04/2011	
Chrysene	0.00010		0.00501	0.00500	0	100.2	58.7	118	05/04/2011	
Dibenzo(a,h)anthracene	0.00010		0.00571	0.00500	0	114.2	59.3	126	05/04/2011	
Fluoranthene	0.00010		0.00499	0.00500	0	99.8	60.1	117	05/04/2011	
Fluorene	0.00010		0.00496	0.00500	0	99.2	54.1	110	05/04/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00566	0.00500	0	113.2	58.1	123	05/04/2011	
Naphthalene	0.00010		0.00454	0.00500	0	90.8	36.3	97.1	05/04/2011	
Phenanthrene	0.00010		0.00493	0.00500	0	98.6	55.9	107	05/04/2011	
Pyrene	0.00010		0.00499	0.00500	0	99.8	61.4	116	05/04/2011	
Surr: 2-Fluorobiphenyl			0.00447	0.00500		89.4	45.4	97.6	05/04/2011	
Surr: 2-Fluorophenol			0.00300	0.0100		30.0	24.9	63.7	05/04/2011	
Surr: Nitrobenzene-d5			0.00478	0.00500		95.6	45.2	108	05/04/2011	
Surr: Phenol-d5			0.00349	0.0100		34.9	15.5	39.5	05/04/2011	
Surr: p-Terphenyl-d14		S	0.00594	0.00500		118.8	45.5	118	05/04/2011	

Batch 67860		SampType: LCSD		Units mg/L		RPD Limit 50				Date Analyzed
SampID: LCSD-67860										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010	S	0.00536	0.00500	0	107.2	0.004840	10.20	05/04/2011	
Acenaphthylene	0.00010		0.00500	0.00500	0	100	0.004680	6.61	05/04/2011	
Anthracene	0.00010		0.00435	0.00500	0	87.0	0.004280	1.62	05/04/2011	
Benzo(a)anthracene	0.00010		0.00491	0.00500	0	98.2	0.004490	8.94	05/04/2011	
Benzo(a)pyrene	0.00010		0.00530	0.00500	0	106.0	0.005140	3.07	05/04/2011	
Benzo(b)fluoranthene	0.00010		0.00589	0.00500	0	117.8	0.005800	1.54	05/04/2011	
Benzo(g,h,i)perylene	0.00010	S	0.00639	0.00500	0	127.8	0.006100	4.64	05/04/2011	
Benzo(k)fluoranthene	0.00010		0.00601	0.00500	0	120.2	0.005490	9.04	05/04/2011	
Chrysene	0.00010		0.00549	0.00500	0	109.8	0.005010	9.14	05/04/2011	
Dibenzo(a,h)anthracene	0.00010		0.00601	0.00500	0	120.2	0.005710	5.12	05/04/2011	
Fluoranthene	0.00010		0.00577	0.00500	0	115.4	0.004990	14.50	05/04/2011	
Fluorene	0.00010		0.00533	0.00500	0	106.6	0.004960	7.19	05/04/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00598	0.00500	0	119.6	0.005660	5.50	05/04/2011	
Naphthalene	0.00010		0.00482	0.00500	0	96.4	0.004540	5.98	05/04/2011	
Phenanthrene	0.00010		0.00516	0.00500	0	103.2	0.004930	4.56	05/04/2011	
Pyrene	0.00010		0.00578	0.00500	0	115.6	0.004990	14.67	05/04/2011	
Surr: 2-Fluorobiphenyl			0.00443	0.00500		88.6			05/04/2011	
Surr: 2-Fluorophenol			0.00336	0.0100		33.6			05/04/2011	
Surr: Nitrobenzene-d5			0.00470	0.00500		94.0			05/04/2011	
Surr: Phenol-d5			0.00363	0.0100		36.3			05/04/2011	
Surr: p-Terphenyl-d14		S	0.00634	0.00500		126.8			05/04/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67910		SampType: MBLK		Units µg/L							
SampID: MBLK-R110503-1											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene		2.0		ND						05/03/2011	
Ethylbenzene		5.0		ND						05/03/2011	
Toluene		5.0		ND						05/03/2011	
Xylenes, Total		5.0		ND						05/03/2011	
Surr: 1,2-Dichloroethane-d4				50.1	50.0		100.1	74.7	129	05/03/2011	
Surr: 4-Bromofluorobenzene				50.2	50.0		100.5	86	119	05/03/2011	
Surr: Dibromofluoromethane				52.2	50.0		104.4	81.7	123	05/03/2011	
Surr: Toluene-d8				48.5	50.0		96.9	84.3	114	05/03/2011	

Batch 67910		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110503-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		49.3	50.0	0	98.6	51.37	4.15	05/03/2011	
Ethylbenzene	5.0		48.9	50.0	0	97.7	51.30	4.87	05/03/2011	
Toluene	5.0		48.5	50.0	0	97.0	50.14	3.33	05/03/2011	
Xylenes, Total	5.0		147	150	0	98.0	151.8	3.15	05/03/2011	
Surr: 1,2-Dichloroethane-d4			49.5	50.0		98.9			05/03/2011	
Surr: 4-Bromofluorobenzene			50.5	50.0		101.0			05/03/2011	
Surr: Dibromofluoromethane			50.9	50.0		101.8			05/03/2011	
Surr: Toluene-d8			49.8	50.0		99.6			05/03/2011	

Batch 67910		SampType: LCS		Units µg/L						
SampID: LCS-R110503-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		51.4	50.0	0	102.7	82.7	117	05/03/2011
Ethylbenzene		5.0		51.3	50.0	0	102.6	83	113	05/03/2011
Toluene		5.0		50.1	50.0	0	100.3	79.6	116	05/03/2011
Xylenes, Total		5.0		152	150	0	101.2	80.3	120	05/03/2011
Surr: 1,2-Dichloroethane-d4				50.5	50.0		101.0	74.7	129	05/03/2011
Surr: 4-Bromofluorobenzene				51.0	50.0		101.9	86	119	05/03/2011
Surr: Dibromofluoromethane				51.7	50.0		103.4	81.7	123	05/03/2011
Surr: Toluene-d8				49.8	50.0		99.7	84.3	114	05/03/2011

Batch 67910		SampType: MS		Units µg/L						
SampID: 11050109-001EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		45.2	46.0	0	98.3	57.8	125	05/03/2011	
Ethylbenzene	5.0		45.8	46.0	0	99.5	72.8	123	05/03/2011	
Toluene	5.0		44.5	46.0	0	96.7	75.8	123	05/03/2011	
Xylenes, Total	5.0		90.7	92.0	0	98.5	73	127	05/03/2011	
Surr: 1,2-Dichloroethane-d4			49.7	50.0		99.3	74.7	129	05/03/2011	
Surr: 4-Bromofluorobenzene			49.9	50.0		99.7	86	119	05/03/2011	
Surr: Dibromofluoromethane			50.9	50.0		101.8	81.7	123	05/03/2011	
Surr: Toluene-d8			48.8	50.0		97.7	84.3	114	05/03/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67910		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11050109-001EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		44.8	46.0	0	97.3	45.23	1.04	05/03/2011
Ethylbenzene		5.0		45.6	46.0	0	99.1	45.76	0.37	05/03/2011
Toluene		5.0		45.1	46.0	0	98.1	44.49	1.43	05/03/2011
Xylenes, Total		5.0		91.2	92.0	0	99.1	90.66	0.55	05/03/2011
Surr: 1,2-Dichloroethane-d4				50.3	50.0		100.6			05/03/2011
Surr: 4-Bromofluorobenzene				51.1	50.0		102.2			05/03/2011
Surr: Dibromofluoromethane				51.4	50.0		102.9			05/03/2011
Surr: Toluene-d8				49.8	50.0		99.6			05/03/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050109

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-May-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

03-May-11

Timothy W. Mathis

Reviewed by:

On:

03-May-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 6.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

60509

[illegible]

Samples Iced:		Yes ☒	No ☐
Preservatives (ONLY for Water Samples)			
☒ Volatile Organics	Hydrochloric acid (HCl)		
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol		
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)		
☒ Metals	Nitric acid		
☒ Cyanide	Sodium hydroxide (NaOH)		
☐ Other (Specify)			

[illegible]

GREEN to Sampler

PINK to QA/QC

CANARY to PM

WHITE to Lab

Distribution: V
PE-179 (6/03)

Shaded Areas to be Completed by Lab

May 11, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11050240

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/5/2011 11:50:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11050240**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 11-May-11**Cooler Receipt Temp:** 3.2 °C**Locations and Accreditations****Collinsville**

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

Lab ID: 11050240-001

Client Sample ID: 6773-treated-5/5/11

Matrix: AQUEOUS

Collection Date: 05/05/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.20		1	05/05/2011 12:42	R149055
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		19	mg/L	1	05/05/2011 13:00	R149060
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		26	mg/L	1	05/05/2011 19:00	67970
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		Interference	mg/L	5	05/06/2011 8:12	R149117
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035	S	0.112	mg/L	5	05/06/2011 8:12	R149117
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.0093	mg/L	1	05/06/2011 9:56	67946
Barium	NELAP	0.0050		0.581	mg/L	1	05/06/2011 9:56	67946
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/06/2011 9:56	67946
Chromium	NELAP	0.0100	J	0.0045	mg/L	1	05/06/2011 9:56	67946
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	05/06/2011 9:56	67946
Silver	NELAP	0.0100		< 0.0100	mg/L	1	05/06/2011 9:56	67946
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	05/06/2011 0:00	67947
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/06/2011 0:00	67951
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Anthracene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Chrysene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Fluoranthene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Fluorene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Naphthalene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Phenanthrene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Pyrene	NELAP	0.00010		ND	mg/L	1	05/06/2011 12:16	67950
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	05/06/2011 12:16	67950
Surr: 2-Fluorobiphenyl		34.3-105		79.0	%REC	1	05/06/2011 12:16	67950
Surr: 2-Fluorophenol		19.9-55.7		35.7	%REC	1	05/06/2011 12:16	67950
Surr: Nitrobenzene-d5		43-106		85.8	%REC	1	05/06/2011 12:16	67950
Surr: Phenol-d5		8.95-38.5		22.7	%REC	1	05/06/2011 12:16	67950
Surr: p-Terphenyl-d14		6.05-133		110.2	%REC	1	05/06/2011 12:16	67950

Surrogate recovery of p-Terphenyl-d14 was outside QC limits in the method blank.
Marginal Exceedance of Anthracene in the LCS is verified per NELAC Appendix D 1.1.2

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

Lab ID: 11050240-001

Client Sample ID: 6773-treated-5/5/11

Matrix: AQUEOUS

Collection Date: 05/05/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	05/06/2011 2:04	67987
Ethylbenzene	NELAP	5.0		ND	µg/L	1	05/06/2011 2:04	67987
Toluene	NELAP	5.0		ND	µg/L	1	05/06/2011 2:04	67987
Xylenes, Total	NELAP	5.0		ND	µg/L	1	05/06/2011 2:04	67987
Surr: 1,2-Dichloroethane-d4		74.7-129		102.9	%REC	1	05/06/2011 2:04	67987
Surr: 4-Bromofluorobenzene		86-119		104.9	%REC	1	05/06/2011 2:04	67987
Surr: Dibromofluoromethane		81.7-123		102.3	%REC	1	05/06/2011 2:04	67987
Surr: Toluene-d8		84.3-114		96.0	%REC	1	05/06/2011 2:04	67987



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11050240-001	6773-treated-5/5/11	Aqueous	5	05/05/2011 8:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11050240-001A	6773-treated-5/5/11	05/05/2011 8:30	5/5/2011 11:50:00 AM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		05/05/2011 13:08	05/06/2011 12:16
11050240-001B	6773-treated-5/5/11	05/05/2011 8:30	5/5/2011 11:50:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			05/05/2011 12:42
	Standard Methods 18th Ed. 2540 D			05/05/2011 13:00
	Standard Methods 18th Ed. 5210 B		05/05/2011 19:00	05/05/2011 19:00
11050240-001C	6773-treated-5/5/11	05/05/2011 8:30	5/5/2011 11:50:00 AM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		05/05/2011 12:46	05/06/2011 9:56
	SW-846 3020A, Metals by GFAA (Total)		05/05/2011 12:57	05/06/2011 0:00
	SW-846 7470A (Total)		05/05/2011 13:20	05/06/2011 0:00
11050240-001D	6773-treated-5/5/11	05/05/2011 8:30	5/5/2011 11:50:00 AM	
	SW-846 9012A			05/06/2011 8:12
	SW-846 9012A (Total)			05/06/2011 8:12
11050240-001E	6773-treated-5/5/11	05/05/2011 8:30	5/5/2011 11:50:00 AM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/06/2011 2:04

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R149055		SampType: LCS		Units					
SampID: LCS-R149055									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH	1.00		7.02	7.00	0	100.3	99.1	100.9	05/05/2011

Batch R149055		SampType: DUP		Units				RPD Limit 10		Date Analyzed
SampID: 11050240-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lab pH		1.00		8.21				8.200	0.12	05/05/2011

STANDARD METHODS 18TH ED. 2540 D

Batch R149060		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R149060										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		< 6						05/05/2011	

Batch R149060		SampType: LCS		Units mg/L						
SampID: LCS-R149060										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		96	100	0	96.0	85	115	05/05/2011	
Total Suspended Solids	6		101	100	0	101.0	85	115	05/05/2011	
Total Suspended Solids	6		96	100	0	96.0	85	115	05/05/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	05/05/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 67970		SampType: LCS		Units mg/L					Date Analyzed
SampID: LCS-67970									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand	5		192	198	0	97.0	84.6	115.4	05/05/2011

Batch 67970		SampType: DUP	Units mg/L				RPD Limit 40		Date Analyzed
SampID: 11050240-001B-DUP									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand	5		26				26.00	0.00	05/05/2011

SW-846 9012A (TOTAL)

Batch R149117		SampType: MBLK		Units mg/L						
SampID: MB-R149117										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		< 0.007						
										05/06/2011

Batch R149117		SampType: LCS		Units mg/L						
SampID: LCS-R149117										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.008		0.026	0.025	0	104.4	90	110	
									05/06/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

SW-846 9012A (TOTAL)

Batch R149117 **SampType:** LCS Units **mg/L**
 SampID: LCS-R149117

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch R149117 **SampType:** MS Units **mg/L**
 SampID: 11050240-001DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Cyanide	0.035		0.143	0.025	0.1117	124.8	75	125	05/06/2011
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Batch R149117 **SampType:** MSD Units **mg/L** RPD Limit **15**
 SampID: 11050240-001DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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Cyanide	0.039	S	0.148	0.025	0.1117	145.2	0.1429	3.51	05/06/2011
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SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67946 **SampType:** MBLK Units **mg/L**
 SampID: MB-67946

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	05/06/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	05/06/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	05/06/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	05/06/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	05/06/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	05/06/2011

Batch 67946 **SampType:** LCS Units **mg/L**
 SampID: LCS-67946

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Arsenic	0.0250		2.08	2.00	0	103.8	85	115	05/06/2011
Barium	0.0050		2.04	2.00	0	101.8	85	115	05/06/2011
Cadmium	0.0020		0.0516	0.0500	0	103.2	85	115	05/06/2011
Chromium	0.0100		0.210	0.200	0	104.8	85	115	05/06/2011
Selenium	0.0500		1.98	2.00	0	98.8	85	115	05/06/2011
Silver	0.0100		0.0518	0.0500	0	103.6	85	115	05/06/2011

Batch 67946 **SampType:** MS Units **mg/L**
 SampID: 11050240-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Arsenic	0.0250		2.12	2.00	0.009300	105.3	75	125	05/06/2011
Barium	0.0050		2.43	2.00	0.5811	92.3	75	125	05/06/2011
Cadmium	0.0020		0.0491	0.0500	0	98.2	75	125	05/06/2011
Chromium	0.0100		0.204	0.200	0.004500	99.9	75	125	05/06/2011
Selenium	0.0500		1.98	2.00	0	98.9	75	125	05/06/2011
Silver	0.0100		0.0482	0.0500	0	96.4	75	125	05/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 67946		SampType: MSD		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.02	2.00	0.009300	100.5	2.115	4.64	05/06/2011
Barium		0.0050		2.42	2.00	0.5811	91.8	2.428	0.41	05/06/2011
Cadmium		0.0020		0.0470	0.0500	0	94.0	0.04910	4.37	05/06/2011
Chromium		0.0100		0.196	0.200	0.004500	95.8	0.2043	4.15	05/06/2011
Selenium		0.0500		1.89	2.00	0	94.4	1.977	4.55	05/06/2011
Silver		0.0100		0.0470	0.0500	0	94.0	0.04820	2.52	05/06/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 67947		SampType: MBLK		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead		0.0020		< 0.0020	0.0020	0	0	-100	100	05/06/2011

Batch 67947		SampType: LCS		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead		0.0020		0.0149	0.0150	0	99.2	80	120	05/06/2011

Batch 67947		SampType: MS		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead		0.0020		0.0122	0.0150	0	81.6	70	130	05/06/2011

Batch 67947		SampType: MSD		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead		0.0020		0.0127	0.0150	0	84.9	0.01224	3.96	05/06/2011

SW-846 7470A (TOTAL)

Batch 67951		SampType: MBLK		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	05/06/2011

Batch 67951		SampType: LCS		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		0.00508	0.00500	0	101.6	85	115	05/06/2011

Batch 67951		SampType: MS		Units mg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		0.00444	0.00500	0	88.8	75	125	05/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

SW-846 7470A (TOTAL)

Batch 67951		SampType: MS		Units mg/L							
SampID: 11050240-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 67951		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11050240-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00436	0.00500	0	87.2	0.004440	1.82	05/06/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67950	SampType: MBLK	Units mg/L							
SampID: MB-67950									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						05/06/2011
Acenaphthylene	0.00010		ND						05/06/2011
Anthracene	0.00010		ND						05/06/2011
Benzo(a)anthracene	0.00010		ND						05/06/2011
Benzo(a)pyrene	0.00010		ND						05/06/2011
Benzo(b)fluoranthene	0.00010		ND						05/06/2011
Benzo(g,h,i)perylene	0.00010		ND						05/06/2011
Benzo(k)fluoranthene	0.00010		ND						05/06/2011
Chrysene	0.00010		ND						05/06/2011
Dibenzo(a,h)anthracene	0.00010		ND						05/06/2011
Fluoranthene	0.00010		ND						05/06/2011
Fluorene	0.00010		ND						05/06/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						05/06/2011
Naphthalene	0.00010		ND						05/06/2011
Phenanthrene	0.00010		ND						05/06/2011
Pyrene	0.00010		ND						05/06/2011
Surr: 2-Fluorobiphenyl			0.00445	0.00500		89.0	45.4	97.6	05/06/2011
Surr: 2-Fluorophenol			0.00562	0.0100		56.2	24.9	63.7	05/06/2011
Surr: Nitrobenzene-d5			0.00481	0.00500		96.2	45.2	108	05/06/2011
Surr: Phenol-d5			0.00340	0.0100		34.0	15.5	39.5	05/06/2011
Surr: p-Terphenyl-d14		S	0.00619	0.00500		123.8	45.5	118	05/06/2011

Batch 67950		SampType: LCS		Units mg/L							
SampID: LCS-67950											Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Acenaphthene	0.00010		0.00459	0.00500	0	91.8	50.1	103		05/06/2011	
Acenaphthylene	0.00010		0.00481	0.00500	0	96.2	53.3	122		05/06/2011	
Anthracene	0.00010		0.00439	0.00500	0	87.8	57.4	110		05/06/2011	
Benzo(a)anthracene	0.00010		0.00448	0.00500	0	89.6	56	102		05/06/2011	
Benzo(a)pyrene	0.00010		0.00506	0.00500	0	101.2	55.4	125		05/06/2011	
Benzo(b)fluoranthene	0.00010		0.00509	0.00500	0	101.8	59.3	127		05/06/2011	
Benzo(g,h,i)perylene	0.00010		0.00550	0.00500	0	110.0	58.4	125		05/06/2011	
Benzo(k)fluoranthene	0.00010		0.00506	0.00500	0	101.2	61.5	125		05/06/2011	
Chrysene	0.00010		0.00515	0.00500	0	103.0	58.7	118		05/06/2011	
Dibenzo(a,h)anthracene	0.00010		0.00514	0.00500	0	102.8	59.3	126		05/06/2011	
Fluoranthene	0.00010		0.00510	0.00500	0	102.0	60.1	117		05/06/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67950		SampType: LCS		Units mg/L						
SampID: LCS-67950										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluorene		0.00010		0.00483	0.00500	0	96.6	54.1	110	05/06/2011
Indeno(1,2,3-cd)pyrene		0.00010		0.00511	0.00500	0	102.2	58.1	123	05/06/2011
Naphthalene		0.00010		0.00426	0.00500	0	85.2	36.3	97.1	05/06/2011
Phenanthrene		0.00010		0.00470	0.00500	0	94.0	55.9	107	05/06/2011
Pyrene		0.00010		0.00476	0.00500	0	95.2	61.4	116	05/06/2011
Surr: 2-Fluorobiphenyl				0.00409	0.00500		81.8	45.4	97.6	05/06/2011
Surr: 2-Fluorophenol				0.00554	0.0100		55.4	24.9	63.7	05/06/2011
Surr: Nitrobenzene-d5				0.00472	0.00500		94.4	45.2	108	05/06/2011
Surr: Phenol-d5				0.00335	0.0100		33.5	15.5	39.5	05/06/2011
Surr: p-Terphenyl-d14				0.00522	0.00500		104.4	45.5	118	05/06/2011

Batch 67950	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-67950									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010	S	0.00483	0.00500	0	96.6	0.004590	5.10	05/06/2011
Acenaphthylene	0.00010		0.00466	0.00500	0	93.2	0.004810	3.17	05/06/2011
Anthracene	0.00010		0.00557	0.00500	0	111.4	0.004390	23.69	05/06/2011
Benzo(a)anthracene	0.00010		0.00494	0.00500	0	98.8	0.004480	9.77	05/06/2011
Benzo(a)pyrene	0.00010		0.00513	0.00500	0	102.6	0.005060	1.37	05/06/2011
Benzo(b)fluoranthene	0.00010		0.00538	0.00500	0	107.6	0.005090	5.54	05/06/2011
Benzo(g,h,i)perylene	0.00010		0.00576	0.00500	0	115.2	0.005500	4.62	05/06/2011
Benzo(k)fluoranthene	0.00010		0.00540	0.00500	0	108.0	0.005060	6.50	05/06/2011
Chrysene	0.00010		0.00544	0.00500	0	108.8	0.005150	5.48	05/06/2011
Dibenzo(a,h)anthracene	0.00010		0.00544	0.00500	0	108.8	0.005140	5.67	05/06/2011
Fluoranthene	0.00010		0.00556	0.00500	0	111.2	0.005100	8.63	05/06/2011
Fluorene	0.00010		0.00491	0.00500	0	98.2	0.004830	1.64	05/06/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00545	0.00500	0	109.0	0.005110	6.44	05/06/2011
Naphthalene	0.00010		0.00448	0.00500	0	89.6	0.004260	5.03	05/06/2011
Phenanthrene	0.00010		0.00496	0.00500	0	99.2	0.004700	5.38	05/06/2011
Pyrene	0.00010		0.00529	0.00500	0	105.8	0.004760	10.55	05/06/2011
Surr: 2-Fluorobiphenyl			0.00440	0.00500		88.0			05/06/2011
Surr: 2-Fluorophenol			0.00560	0.0100		56.0			05/06/2011
Surr: Nitrobenzene-d5			0.00499	0.00500		99.8			05/06/2011
Surr: Phenol-d5			0.00351	0.0100		35.1			05/06/2011
Surr: p-Terphenyl-d14			0.00585	0.00500		117.0			05/06/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67987		SampType: MBLK		Units µg/L							
SampID: MBLK-T110505-2											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene		2.0		ND						05/06/2011	
Ethylbenzene		5.0		ND						05/06/2011	
Toluene		5.0		ND						05/06/2011	
Xylenes, Total		5.0		ND						05/06/2011	
Surr: 1,2-Dichloroethane-d4				50.9	50.0		101.8	74.7	129	05/06/2011	
Surr: 4-Bromofluorobenzene				51.7	50.0		103.4	86	119	05/06/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 67987 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110505-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Dibromofluoromethane			51.5	50.0		102.9	81.7	123	05/06/2011
Surr: Toluene-d8			47.7	50.0		95.5	84.3	114	05/06/2011

Batch 67987 **SampType:** LCSD Units $\mu\text{g/L}$

 RPD Limit **40**

SampID: LCSD-T110505-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.5	50.0	0	101.0	49.56	1.92	05/06/2011
Ethylbenzene	5.0		49.4	50.0	0	98.7	47.84	3.11	05/06/2011
Toluene	5.0		48.0	50.0	0	96.1	47.26	1.62	05/06/2011
Xylenes, Total	5.0		149	150	0	99.2	145.5	2.19	05/06/2011
Surr: 1,2-Dichloroethane-d4			52.1	50.0		104.1			05/06/2011
Surr: 4-Bromofluorobenzene			50.6	50.0		101.2			05/06/2011
Surr: Dibromofluoromethane			51.8	50.0		103.6			05/06/2011
Surr: Toluene-d8			48.4	50.0		96.7			05/06/2011

Batch 67987 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110505-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		49.6	50.0	0	99.1	82.7	117	05/06/2011
Ethylbenzene	5.0		47.8	50.0	0	95.7	83	113	05/06/2011
Toluene	5.0		47.3	50.0	0	94.5	79.6	116	05/06/2011
Xylenes, Total	5.0		146	150	0	97.0	80.3	120	05/06/2011
Surr: 1,2-Dichloroethane-d4			51.8	50.0		103.5	74.7	129	05/06/2011
Surr: 4-Bromofluorobenzene			49.5	50.0		99.0	86	119	05/06/2011
Surr: Dibromofluoromethane			51.4	50.0		102.7	81.7	123	05/06/2011
Surr: Toluene-d8			48.9	50.0		97.8	84.3	114	05/06/2011

Batch 67987 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11050240-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		57.2	60.0	0	95.3	57.8	125	05/06/2011
Ethylbenzene	5.0		60.8	60.0	0	101.4	72.8	123	05/06/2011
Toluene	5.0		58.9	60.0	0	98.2	75.8	123	05/06/2011
Xylenes, Total	5.0		116	120	0	96.7	73	127	05/06/2011
Surr: 1,2-Dichloroethane-d4			51.0	50.0		102.0	74.7	129	05/06/2011
Surr: 4-Bromofluorobenzene			51.6	50.0		103.1	86	119	05/06/2011
Surr: Dibromofluoromethane			51.3	50.0		102.6	81.7	123	05/06/2011
Surr: Toluene-d8			47.6	50.0		95.1	84.3	114	05/06/2011

Batch 67987 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11050240-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		57.3	60.0	0	95.5	57.18	0.19	05/06/2011
Ethylbenzene	5.0		61.0	60.0	0	101.6	60.81	0.25	05/06/2011
Toluene	5.0		58.7	60.0	0	97.9	58.91	0.31	05/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 67987		SampType: MSD	Units µg/L					RPD Limit 20			
SampID: 11050240-001EMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Xylenes, Total		5.0		116	120	0	96.9	116.0	0.19	05/06/2011	
Surr: 1,2-Dichloroethane-d4				50.8	50.0		101.7			05/06/2011	
Surr: 4-Bromofluorobenzene				51.7	50.0		103.3			05/06/2011	
Surr: Dibromofluoromethane				50.6	50.0		101.2			05/06/2011	
Surr: Toluene-d8				48.2	50.0		96.4			05/06/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050240

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 11-May-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

05-May-11

Timothy W. Mathis

Reviewed by:

On:

05-May-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.2
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

Project Name: Champaign MGR Project Mgr.: P. SARANA

Project Number: 624-09080100 Cost Code: 50002

Sampler(s): J.B. Burton

Laboratory Name: TEKLAD

Location: COLLINGSVILLE

Sample Number and (depth) 6773-1000-5/5/11 Date 5/5/11 Time 8:30

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Total Number of Containers 7

Analyses by Method Name and Number

GRX (9260) ☒
SVX RAD SIMS ☒
PCA METALS ☒
TOM ANALYSE ☒
TSS ☒
PH ☒
DO15 ☒

Laboratory Temperature upon Receipt
41 degrees
4/14/11
5/5/11
3.2°C ICE

Comments (Field PID) RUSH

Lab ID #s 11050240-001

Teklab, Inc.
Courier PickUp

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☒ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. SARANA + L. NOBLE
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature [Signature] Date 5/5/11 Time 8:40

Received by:

Signature [Signature] Date 5/5/11 Time 8:40
[Signature] 5/5/11 11:50

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

PINK to QA/QC

GREEN to Sampler

Shaded Areas to be Completed by Lab

May 16, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11050452

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/10/2011 2:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11050452**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 16-May-11**Cooler Receipt Temp:** 6.4 °C**Locations and Accreditations****Collinsville**

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

Lab ID: 11050452-001

Client Sample ID: 30984-treated-5/10/11

Matrix: AQUEOUS

Collection Date: 05/10/2011 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.49		1	05/10/2011 15:40	R149219
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	05/11/2011 10:00	R149292
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		14	mg/L	1	05/11/2011 11:50	68109
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.038	J	0.023	mg/L	5	05/11/2011 8:05	R149280
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035	S	0.117	mg/L	5	05/11/2011 8:05	R149280
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	05/11/2011 11:47	68062
Barium	NELAP	0.0050		0.675	mg/L	1	05/11/2011 11:47	68062
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	05/11/2011 11:47	68062
Chromium	NELAP	0.0100	J	0.0076	mg/L	1	05/11/2011 11:47	68062
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	05/11/2011 11:47	68062
Silver	NELAP	0.0100		< 0.0100	mg/L	1	05/11/2011 11:47	68062
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	05/11/2011 10:23	68074
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/11/2011 0:00	68072
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		0.00020	mg/L	1	05/11/2011 20:37	68076
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Anthracene	NELAP	0.00010		0.00013	mg/L	1	05/11/2011 20:37	68076
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Chrysene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Fluoranthene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Fluorene	NELAP	0.00010		0.00028	mg/L	1	05/11/2011 20:37	68076
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Naphthalene	NELAP	0.00010		0.00028	mg/L	1	05/11/2011 20:37	68076
Phenanthrene	NELAP	0.00010		0.00044	mg/L	1	05/11/2011 20:37	68076
Pyrene	NELAP	0.00010		ND	mg/L	1	05/11/2011 20:37	68076
Total PNAs except Naphthalene		0.00013		0.00105	mg/L	1	05/11/2011 20:37	68076
Surr: 2-Fluorobiphenyl		34.3-105		73.6	%REC	1	05/11/2011 20:37	68076
Surr: 2-Fluorophenol		19.9-55.7		35.7	%REC	1	05/11/2011 20:37	68076
Surr: Nitrobenzene-d5		43-106		80.6	%REC	1	05/11/2011 20:37	68076
Surr: Phenol-d5		8.95-38.5		23.4	%REC	1	05/11/2011 20:37	68076
Surr: p-Terphenyl-d14		6.05-133		94.4	%REC	1	05/11/2011 20:37	68076

Benzo(a)anthracene in the LCSD was outside upper QC limits. Sample results are below reporting limit - data is reportable.

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

Lab ID: 11050452-001

Client Sample ID: 30984-treated-5/10/11

Matrix: AQUEOUS

Collection Date: 05/10/2011 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	05/10/2011 17:48	68101
Ethylbenzene	NELAP	5.0		ND	µg/L	1	05/10/2011 17:48	68101
Toluene	NELAP	5.0		ND	µg/L	1	05/10/2011 17:48	68101
Xylenes, Total	NELAP	5.0		ND	µg/L	1	05/10/2011 17:48	68101
Surr: 1,2-Dichloroethane-d4		74.7-129		99.9	%REC	1	05/10/2011 17:48	68101
Surr: 4-Bromofluorobenzene		86-119		100.5	%REC	1	05/10/2011 17:48	68101
Surr: Dibromofluoromethane		81.7-123		101.9	%REC	1	05/10/2011 17:48	68101
Surr: Toluene-d8		84.3-114		91.9	%REC	1	05/10/2011 17:48	68101



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11050452-001	30984-treated-5/10/11	Aqueous	5	05/10/2011 9:15

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11050452-001A	30984-treated-5/10/11	05/10/2011 9:15	5/10/2011 2:15:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		05/10/2011 17:27	05/11/2011 20:37
11050452-001B	30984-treated-5/10/11	05/10/2011 9:15	5/10/2011 2:15:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			05/10/2011 15:40
	Standard Methods 18th Ed. 2540 D			05/11/2011 10:00
	Standard Methods 18th Ed. 5210 B		05/11/2011 11:50	05/11/2011 11:50
11050452-001C	30984-treated-5/10/11	05/10/2011 9:15	5/10/2011 2:15:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		05/10/2011 15:20	05/11/2011 11:47
	SW-846 3020A, Metals by GFAA (Total)		05/10/2011 15:23	05/11/2011 10:23
	SW-846 7470A (Total)		05/10/2011 15:00	05/11/2011 0:00
11050452-001D	30984-treated-5/10/11	05/10/2011 9:15	5/10/2011 2:15:00 PM	
	SW-846 9012A			05/11/2011 8:05
	SW-846 9012A (Total)			05/11/2011 8:05
11050452-001E	30984-treated-5/10/11	05/10/2011 9:15	5/10/2011 2:15:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/10/2011 17:48

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R149219		SampType: LCS		Units						Date Analyzed
SampID: LCS-R149219										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lab pH	1.00		7.01	7.00	0	100.1	99.1	100.9	05/10/2011	

Batch R149219		SampType: DUP		Units				RPD Limit 10			
SampID: 11050452-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.51				8.490	0.24	05/10/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R149292		SampType: MBLK		Units mg/L							
SampID: MB-R149292											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						05/11/2011	

Batch R149292		SampType: LCS		Units mg/L						
SampID: LCS-R149292										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		98	100	0	98.0	85	115	05/11/2011	
Total Suspended Solids	6		95	100	0	95.0	85	115	05/11/2011	
Total Suspended Solids	6		94	100	0	94.0	85	115	05/11/2011	

Batch R149292		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11050452-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		8				8.000	0.00	05/11/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 68109		SampType: LCS		Units mg/L						
SampID: LCS-68109										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		197	198	0	99.5	84.6	115.4	05/11/2011

Batch 68109		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11050452-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		14				14.00	0.00	05/11/2011	

SW-846 9012A (TOTAL)

Batch R149280		SampType: MBLK		Units mg/L						
SampID: MB-R149280										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						05/12/2011
Cyanide		0.007		< 0.007						05/11/2011
Cyanide		0.007		< 0.007						05/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

SW-846 9012A (TOTAL)
Batch R149280 **SampType:** MBLK Units **mg/L**

SampID: MB-R149280

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch R149280 **SampType:** LCS Units **mg/L**

SampID: LCS-R149280

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.007		0.024	0.025	0	97.6	90	110	05/12/2011
Cyanide	0.007		0.024	0.025	0	97.6	90	110	05/11/2011
Cyanide	0.007		0.024	0.025	0	97.2	85	115	05/11/2011

Batch R149280 **SampType:** MS Units **mg/L**

SampID: 11050452-001DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.036		0.146	0.025	0.1174	114.7	75	125	05/11/2011

Batch R149280 **SampType:** MSD Units **mg/L**

SampID: 11050452-001DMSD

 RPD Limit **15**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.035	S	0.149	0.025	0.1174	125.5	0.1460	1.83	05/11/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 68062 **SampType:** MBLK Units **mg/L**

SampID: MB-68062

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	05/11/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	05/11/2011
Cadmium	0.0020	J	0.0003	0.0020	0	15.0	-100	100	05/11/2011
Chromium	0.0100	J	0.0042	0.0100	0	42.0	-100	100	05/11/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	05/11/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	05/11/2011

Batch 68062 **SampType:** LCS Units **mg/L**

SampID: LCS-68062

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.03	2.00	0	101.3	85	115	05/11/2011
Barium	0.0050		2.05	2.00	0	102.4	85	115	05/11/2011
Cadmium	0.0020		0.0510	0.0500	0	102.0	85	115	05/11/2011
Chromium	0.0100		0.210	0.200	0	105.2	85	115	05/11/2011
Selenium	0.0500		2.01	2.00	0	100.5	85	115	05/11/2011
Silver	0.0100		0.0493	0.0500	0	98.6	85	115	05/11/2011

Batch 68062 **SampType:** MS Units **mg/L**

SampID: 11050452-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.07	2.00	0	103.6	75	125	05/11/2011
Barium	0.0050		2.69	2.00	0.6750	100.6	75	125	05/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68062		SampType: MS		Units mg/L					
SampID: 11050452-001CMS									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cadmium	0.0020		0.0500	0.0500	0.0003000	99.4	75	125	05/11/2011
Chromium	0.0100		0.206	0.200	0.007600	99.5	75	125	05/11/2011
Selenium	0.0500		2.08	2.00	0	103.9	75	125	05/11/2011
Silver	0.0100		0.0472	0.0500	0	94.4	75	125	05/11/2011

Batch 68062		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11050452-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.08	2.00	0	103.8	2.072	0.14	05/11/2011
Barium		0.0050		2.69	2.00	0.6750	100.8	2.687	0.11	05/11/2011
Cadmium		0.0020		0.0500	0.0500	0.0003000	99.4	0.05000	0.00	05/11/2011
Chromium		0.0100		0.204	0.200	0.007600	98.4	0.2065	1.02	05/11/2011
Selenium		0.0500		2.04	2.00	0	102.0	2.078	1.85	05/11/2011
Silver		0.0100		0.0486	0.0500	0	97.2	0.04720	2.92	05/11/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68074		SampType: MBLK		Units mg/L						
SampID: MB-68074										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	05/11/2011

Batch 68074		SampType: LCS		Units mg/L						
SampID: LCS-68074										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0176	0.0150	0	117.1	80	120	05/11/2011

Batch 68074		SampType: MS		Units mg/L							
SampID: 11050452-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0169	0.0150	0	113.0	70	130	05/11/2011	

Batch 68074		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11050452-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0179	0.0150	0	119.6	0.01695	5.66	05/11/2011

SW-846 7470A (TOTAL)

Batch 68072		SampType: MBLK		Units mg/L						
SampID: MB-68072										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	05/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

SW-846 7470A (TOTAL)

Batch 68072		SampType: LCS		Units mg/L							
SampID: LCS-68072											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00506	0.00500	0	101.2	85	115	05/11/2011	

Batch 68072		SampType: MS		Units mg/L						
SampID: 11050452-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00478	0.00500	0	95.6	75	125	05/11/2011

Batch 68072		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11050452-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00479	0.00500	0	95.8	0.004780	0.21	05/11/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68076	SampType: MBLK	Units mg/L								
SampID: MB-68076										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND							05/11/2011
Acenaphthene	0.00010		ND							05/11/2011
Acenaphthylene	0.00010		ND							05/11/2011
Anthracene	0.00010		ND							05/11/2011
Anthracene	0.00010		ND							05/11/2011
Benzo(a)anthracene	0.00010		ND							05/11/2011
Benzo(a)pyrene	0.00010		ND							05/11/2011
Benzo(b)fluoranthene	0.00010		ND							05/11/2011
Benzo(g,h,i)perylene	0.00010		ND							05/11/2011
Benzo(k)fluoranthene	0.00010		ND							05/11/2011
Chrysene	0.00010		ND							05/11/2011
Dibenzo(a,h)anthracene	0.00010		ND							05/11/2011
Fluoranthene	0.00010		ND							05/11/2011
Fluoranthene	0.00010		ND							05/11/2011
Fluorene	0.00010		ND							05/11/2011
Fluorene	0.00010		ND							05/11/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND							05/11/2011
Naphthalene	0.00010		ND							05/11/2011
Naphthalene	0.00010		ND							05/11/2011
Phenanthrene	0.00010		ND							05/11/2011
Phenanthrene	0.00010		ND							05/11/2011
Pyrene	0.00010		ND							05/11/2011
Pyrene	0.00010		ND							05/11/2011
Surr: 2-Fluorobiphenyl			0.00361	0.00500		72.2	45.4	97.6		05/11/2011
Surr: 2-Fluorobiphenyl			0.00421	0.00500		84.1	41.9	97.9		05/11/2011
Surr: 2-Fluorophenol			0.00519	0.0100		51.9	16.1	79.2		05/11/2011
Surr: 2-Fluorophenol			0.00426	0.0100		42.6	24.9	63.7		05/11/2011
Surr: Nitrobenzene-d5			0.00475	0.00500		94.9	39.9	106		05/11/2011
Surr: Nitrobenzene-d5			0.00439	0.00500		87.8	45.2	108		05/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68076		SampType: MBLK		Units mg/L						
SampID: MB-68076										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Phenol-d5				0.00331	0.0100		33.1	9.94	53.7	05/11/2011
Surr: Phenol-d5				0.00312	0.0100		31.2	15.5	39.5	05/11/2011
Surr: p-Terphenyl-d14				0.00557	0.00500		111.4	53	116	05/11/2011
Surr: p-Terphenyl-d14				0.00503	0.00500		100.6	45.5	118	05/11/2011

Batch 68076		SampType: LCS		Units mg/L						
SampID: LCS-68076										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00409	0.00500	0	81.8	50.1	103	05/11/2011	
Acenaphthene	0.00010		0.00414	0.00500	0	82.8	50.1	103	05/11/2011	
Acenaphthylene	0.00010		0.00415	0.00500	0	83.0	53.3	122	05/11/2011	
Anthracene	0.00010		0.00450	0.00500	0	89.9	57.4	110	05/11/2011	
Anthracene	0.00010		0.00459	0.00500	0	91.8	57.4	110	05/11/2011	
Benzo(a)anthracene	0.00010		0.00429	0.00500	0	85.8	56	102	05/11/2011	
Benzo(a)pyrene	0.00010		0.00468	0.00500	0	93.6	55.4	125	05/11/2011	
Benzo(b)fluoranthene	0.00010		0.00427	0.00500	0	85.4	59.3	127	05/11/2011	
Benzo(g,h,i)perylene	0.00010		0.00436	0.00500	0	87.2	58.4	125	05/11/2011	
Benzo(k)fluoranthene	0.00010		0.00451	0.00500	0	90.2	61.5	125	05/11/2011	
Chrysene	0.00010		0.00460	0.00500	0	92.0	58.7	118	05/11/2011	
Dibenzo(a,h)anthracene	0.00010		0.00418	0.00500	0	83.6	59.3	126	05/11/2011	
Fluoranthene	0.00010		0.00472	0.00500	0	94.3	60.1	117	05/11/2011	
Fluoranthene	0.00010		0.00465	0.00500	0	93.0	60.1	117	05/11/2011	
Fluorene	0.00010		0.00424	0.00500	0	84.7	54.1	110	05/11/2011	
Fluorene	0.00010		0.00394	0.00500	0	78.8	54.1	110	05/11/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00415	0.00500	0	83.0	58.1	123	05/11/2011	
Naphthalene	0.00010		0.00369	0.00500	0	73.8	36.3	97.1	05/11/2011	
Naphthalene	0.00010		0.00374	0.00500	0	74.8	36.3	97.1	05/11/2011	
Phenanthrene	0.00010		0.00455	0.00500	0	91.1	55.9	107	05/11/2011	
Phenanthrene	0.00010		0.00448	0.00500	0	89.6	55.9	107	05/11/2011	
Pyrene	0.00010		0.00469	0.00500	0	93.8	61.4	116	05/11/2011	
Pyrene	0.00010		0.00465	0.00500	0	92.9	61.4	116	05/11/2011	
Surr: 2-Fluorobiphenyl			0.00338	0.00500		67.6	45.4	97.6	05/11/2011	
Surr: 2-Fluorobiphenyl			0.00333	0.00500		66.6	41.9	97.9	05/11/2011	
Surr: 2-Fluorophenol			0.00422	0.0100		42.2	24.9	63.7	05/11/2011	
Surr: 2-Fluorophenol			0.00446	0.0100		44.6	16.1	79.2	05/11/2011	
Surr: Nitrobenzene-d5			0.00371	0.00500		74.1	39.9	106	05/11/2011	
Surr: Nitrobenzene-d5			0.00395	0.00500		79.0	45.2	108	05/11/2011	
Surr: Phenol-d5			0.00289	0.0100		28.9	9.94	53.7	05/11/2011	
Surr: Phenol-d5			0.00261	0.0100		26.1	15.5	39.5	05/11/2011	
Surr: p-Terphenyl-d14			0.00490	0.00500		97.9	53	116	05/11/2011	
Surr: p-Terphenyl-d14			0.00545	0.00500		109.0	46	127	05/11/2011	

Batch 68076		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-68076										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.00010		0.00505	0.00500	0	101.0	0.004140	19.80	05/12/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68076	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68076									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010	S	0.00464	0.00500	0	92.9	0.004092	12.62	05/11/2011
Acenaphthylene	0.00010		0.00516	0.00500	0	103.2	0.004150	21.70	05/12/2011
Anthracene	0.00010		0.00505	0.00500	0	100.9	0.004496	11.53	05/11/2011
Anthracene	0.00010		0.00548	0.00500	0	109.6	0.004590	17.68	05/12/2011
Benzo(a)anthracene	0.00010		0.00522	0.00500	0	104.4	0.004290	19.56	05/12/2011
Benzo(a)pyrene	0.00010		0.00571	0.00500	0	114.2	0.004680	19.83	05/12/2011
Benzo(b)fluoranthene	0.00010		0.00567	0.00500	0	113.4	0.004270	28.17	05/12/2011
Benzo(g,h,i)perylene	0.00010		0.00571	0.00500	0	114.2	0.004360	26.81	05/12/2011
Benzo(k)fluoranthene	0.00010		0.00590	0.00500	0	118.0	0.004510	26.71	05/12/2011
Chrysene	0.00010		0.00565	0.00500	0	113.0	0.004600	20.49	05/12/2011
Dibenzo(a,h)anthracene	0.00010		0.00546	0.00500	0	109.2	0.004180	26.56	05/12/2011
Fluoranthene	0.00010		0.00510	0.00500	0	102.0	0.004716	7.86	05/11/2011
Fluoranthene	0.00010		0.00563	0.00500	0	112.6	0.004650	19.07	05/12/2011
Fluorene	0.00010		0.00509	0.00500	0	101.8	0.003940	25.47	05/12/2011
Fluorene	0.00010		0.00493	0.00500	0	98.5	0.004235	15.11	05/11/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00555	0.00500	0	111.0	0.004150	28.87	05/12/2011
Naphthalene	0.00010		0.00430	0.00500	0	85.9	0.003688	15.23	05/11/2011
Naphthalene	0.00010		0.00448	0.00500	0	89.6	0.003740	18.00	05/12/2011
Phenanthrene	0.00010		0.00531	0.00500	0	106.2	0.004480	16.96	05/12/2011
Phenanthrene	0.00010		0.00492	0.00500	0	98.4	0.004553	7.75	05/11/2011
Pyrene	0.00010	0.00522	0.00500	0	104.5	0.004647	11.67	05/11/2011	
Pyrene	0.00010	0.00561	0.00500	0	112.2	0.004690	17.86	05/12/2011	
Surr: 2-Fluorobiphenyl			0.00375	0.00500		74.9			05/11/2011
Surr: 2-Fluorobiphenyl			0.00401	0.00500		80.2			05/12/2011
Surr: 2-Fluorophenol			0.00500	0.0100		50.0			05/11/2011
Surr: 2-Fluorophenol			0.00532	0.0100		53.2			05/12/2011
Surr: Nitrobenzene-d5			0.00437	0.00500		87.4			05/11/2011
Surr: Nitrobenzene-d5			0.00503	0.00500		100.6			05/12/2011
Surr: Phenol-d5			0.00311	0.0100		31.1			05/11/2011
Surr: Phenol-d5			0.00359	0.0100		35.9			05/12/2011
Surr: p-Terphenyl-d14			0.00626	0.00500		125.2			05/12/2011
Surr: p-Terphenyl-d14			0.00540	0.00500		108.1			05/11/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68101		SampType: MBLK		Units µg/L						
SampID: MBLK-T110510-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						05/10/2011
Ethylbenzene		5.0		ND						05/10/2011
Toluene		5.0		ND						05/10/2011
Xylenes, Total		5.0		ND						05/10/2011
Surr: 1,2-Dichloroethane-d4				49.7	50.0		99.4	74.7	129	05/10/2011
Surr: 4-Bromofluorobenzene				51.5	50.0		103.1	86	119	05/10/2011
Surr: Dibromofluoromethane				50.6	50.0		101.2	81.7	123	05/10/2011
Surr: Toluene-d8				46.8	50.0		93.7	84.3	114	05/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68101		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110510-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Benzene	2.0		50.8	50.0	0	101.5	49.35	2.82	05/10/2011	
Ethylbenzene	5.0		48.7	50.0	0	97.3	47.60	2.22	05/10/2011	
Toluene	5.0		46.6	50.0	0	93.2	45.63	2.06	05/10/2011	
Xylenes, Total	5.0		149	150	0	99.1	140.2	5.83	05/10/2011	
Surr: 1,2-Dichloroethane-d4			51.9	50.0		103.9			05/10/2011	
Surr: 4-Bromofluorobenzene			50.6	50.0		101.2			05/10/2011	
Surr: Dibromofluoromethane			52.4	50.0		104.7			05/10/2011	
Surr: Toluene-d8			47.2	50.0		94.3			05/10/2011	

Batch 68101		SampType: LCS		Units µg/L						
SampID: LCS-T110510-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		49.4	50.0	0	98.7	82.7	117	05/10/2011	
Ethylbenzene	5.0		47.6	50.0	0	95.2	83	113	05/10/2011	
Toluene	5.0		45.6	50.0	0	91.3	79.6	116	05/10/2011	
Xylenes, Total	5.0		140	150	0	93.4	80.3	120	05/10/2011	
Surr: 1,2-Dichloroethane-d4			52.5	50.0		104.9	74.7	129	05/10/2011	
Surr: 4-Bromofluorobenzene			51.6	50.0		103.1	86	119	05/10/2011	
Surr: Dibromofluoromethane			52.9	50.0		105.8	81.7	123	05/10/2011	
Surr: Toluene-d8			47.1	50.0		94.1	84.3	114	05/10/2011	

Batch 68101		SampType: MS		Units µg/L						
SampID: 11050452-001EMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		53.9	60.0	0	89.8	57.8	125	05/10/2011	
Ethylbenzene	5.0		63.5	60.0	0	105.8	72.8	123	05/10/2011	
Toluene	5.0		57.3	60.0	0	95.4	75.8	123	05/10/2011	
Xylenes, Total	5.0		126	120	0	104.6	73	127	05/10/2011	
Surr: 1,2-Dichloroethane-d4			49.6	50.0		99.2	74.7	129	05/10/2011	
Surr: 4-Bromofluorobenzene			50.4	50.0		100.8	86	119	05/10/2011	
Surr: Dibromofluoromethane			50.3	50.0		100.5	81.7	123	05/10/2011	
Surr: Toluene-d8			46.9	50.0		93.7	84.3	114	05/10/2011	

Batch 68101		SampType: MSD	Units µg/L				RPD Limit 20			
SampID: 11050452-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		54.5	60.0	0	90.8	53.87	1.13	05/10/2011	
Ethylbenzene	5.0		63.9	60.0	0	106.5	63.50	0.60	05/10/2011	
Toluene	5.0		57.3	60.0	0	95.5	57.27	0.07	05/10/2011	
Xylenes, Total	5.0		125	120	0	104.6	125.6	0.06	05/10/2011	
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.1			05/10/2011	
Surr: 4-Bromofluorobenzene			51.0	50.0		102.1			05/10/2011	
Surr: Dibromofluoromethane			50.7	50.0		101.4			05/10/2011	
Surr: Toluene-d8			46.5	50.0		93.0			05/10/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11050452

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-May-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

10-May-11

Timothy W. Mathis

Reviewed by:

On:

10-May-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 6.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10014

Project Name: Champaign MOP Project Mgr.: P. Szazama

Project Number: 624-0908-0120 Cost Code: 50002

Sampler(s): J. BLANTON

Laboratory Name: TEKLAB
Location: COLLINSVILLE

Sample Number and (depth) Date Time
10384-treated - 5/10/11 5/10/11 9:15 AM

Matrix
Soil ☒ Water ☐ Air ☐ Wipes ☐ Other * ☐

Analyses by Method Name and Number

SVL 8770 SIMS ☒
RLEA METALS ☒
TOTAL AMENABLE ☒
CYANIDE ☒
TSS ☒
PH ☒
BOD's ☒

Laboratory Temperature upon Receipt
6.4

Comments (Field PID) Lab ID #'s
RES/TM 5-10-11 10504523-021

HEADSPACE TM 5-10-11

1 DAY Teklab, Inc.
Courier Pick Up

Samples Iced: ☒ Yes ☐ No
Preservatives (ONLY for Water Samples)
☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☒ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: PSAZAMA & L. NOOSIER
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No. _____

Relinquished by:

Signature Paul Dites Date 5/10/11 Time 10:10
Signature Paul Dites Date 5/10/11 Time 14:15

Received by:

Signature Marvin A. Ditzler II Date 5/10/11 Time 10:16
Signature Marvin A. Ditzler II Date 5/10/11 Time 14:15

June 02, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11051078

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/23/2011 1:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

This reporting package includes the following:

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Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11051078**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 02-Jun-11**Cooler Receipt Temp:** 8.4 °C**Locations and Accreditations****Collinsville**

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

Lab ID: 11051078-001

Client Sample ID: 30984 T052311

Matrix: AQUEOUS

Collection Date: 05/23/2011 7:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.10		1	05/23/2011 16:45	R149812
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		16	mg/L	1	05/24/2011 9:30	R149827
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		26	mg/L	1	05/23/2011 16:00	68391
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.070		Interference	mg/L	10	05/24/2011 8:46	R149815
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.070		0.233	mg/L	10	05/24/2011 8:46	R149815
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	05/24/2011 11:06	68387
Barium	NELAP	0.0050		0.980	mg/L	1	05/24/2011 11:06	68387
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/24/2011 11:06	68387
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	05/24/2011 11:06	68387
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	05/24/2011 11:06	68387
Silver	NELAP	0.0100		< 0.0100	mg/L	1	05/24/2011 11:06	68387
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	S	< 0.0020	mg/L	1	05/24/2011 0:00	68386
<i>Pb- Matrix interference present in sample.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020	S	< 0.00020	mg/L	1	05/24/2011 0:00	68395
<i>Hg - Matrix interference present in sample.</i>								
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Anthracene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Chrysene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Fluoranthene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Fluorene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Naphthalene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Phenanthrene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Pyrene	NELAP	0.00010		ND	mg/L	1	05/24/2011 10:51	68367
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	05/24/2011 10:51	68367
Surr: 2-Fluorobiphenyl		34.3-105		66.4	%REC	1	05/24/2011 10:51	68367
Surr: 2-Fluorophenol		19.9-55.7		29.7	%REC	1	05/24/2011 10:51	68367
Surr: Nitrobenzene-d5		36.4-127		65.6	%REC	1	05/24/2011 10:51	68367
Surr: Phenol-d5		8.95-38.5		18.2	%REC	1	05/24/2011 10:51	68367
Surr: p-Terphenyl-d14		6.05-133		76.4	%REC	1	05/24/2011 10:51	68367

The recovery of the Phenol-d5 surrogate in the LCS was outside lower QC limits.

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

Lab ID: 11051078-001

Client Sample ID: 30984 T052311

Matrix: AQUEOUS

Collection Date: 05/23/2011 7:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	05/23/2011 15:41	68388
Ethylbenzene	NELAP	5.0		ND	µg/L	1	05/23/2011 15:41	68388
Toluene	NELAP	5.0		ND	µg/L	1	05/23/2011 15:41	68388
Xylenes, Total	NELAP	5.0		ND	µg/L	1	05/23/2011 15:41	68388
Surr: 1,2-Dichloroethane-d4		74.7-129		105.0	%REC	1	05/23/2011 15:41	68388
Surr: 4-Bromofluorobenzene		86-119		102.2	%REC	1	05/23/2011 15:41	68388
Surr: Dibromofluoromethane		81.7-123		105.1	%REC	1	05/23/2011 15:41	68388
Surr: Toluene-d8		84.3-114		95.3	%REC	1	05/23/2011 15:41	68388



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11051078-001	30984 T052311	Aqueous	5	05/23/2011 7:20

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11051078-001A	30984 T052311	05/23/2011 7:20	5/23/2011 1:05:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		05/23/2011 22:54	05/24/2011 10:51
11051078-001B	30984 T052311	05/23/2011 7:20	5/23/2011 1:05:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			05/23/2011 16:45
	Standard Methods 18th Ed. 2540 D			05/24/2011 9:30
	Standard Methods 18th Ed. 5210 B		05/23/2011 16:00	05/23/2011 16:00
11051078-001C	30984 T052311	05/23/2011 7:20	5/23/2011 1:05:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		05/23/2011 15:33	05/24/2011 11:06
	SW-846 3020A, Metals by GFAA (Total)		05/23/2011 15:31	05/24/2011 0:00
	SW-846 7470A (Total)		05/23/2011 15:34	05/24/2011 0:00
11051078-001D	30984 T052311	05/23/2011 7:20	5/23/2011 1:05:00 PM	
	SW-846 9012A			05/24/2011 8:46
	SW-846 9012A (Total)			05/24/2011 8:46
11051078-001E	30984 T052311	05/23/2011 7:20	5/23/2011 1:05:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/23/2011 15:41

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R149812		SampType: LCS		Units							
SampID: LCS-R149812											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.8	05/23/2011	

Batch R149812		SampType: DUP		Units				RPD Limit 10			
SampID: 11051078-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.11				7.100	0.14	05/23/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R149827		SampType: MBLK		Units mg/L							
SampID: MB-R149827											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						05/24/2011	

Batch R149827		SampType: LCS		Units mg/L						
SampID: LCS-R149827										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		99	100	0	99.0	85	115	05/24/2011
Total Suspended Solids		6		100	100	0	100	85	115	05/24/2011

Batch R149827		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11051078-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		15				16.00	6.45	05/24/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 68391		SampType: LCS		Units mg/L						
SampID: LCS-68391										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		213	198	0	107.6	84.6	115.4	05/23/2011

Batch 68391		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11051078-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		26				26.00	0.00	05/23/2011	

SW-846 9012A (TOTAL)

Batch R149815		SampType: MBLK		Units mg/L						
SampID: MB-R149815										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						05/23/2011
Cyanide		0.007		< 0.007						05/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

SW-846 9012A (TOTAL)

Batch R149815		SampType: LCS		Units mg/L						
SampID: LCS-R149815										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.024	0.025	0	96.2	85	115	05/23/2011	
Cyanide	0.007		0.027	0.025	0	107.0	90	110	05/24/2011	

Batch R149815		SampType: MS		Units mg/L						
SampID: 11051078-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.070		0.259	0.025	0.2334	100.8	75	125	05/24/2011

Batch R149815		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11051078-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.078		0.261	0.025	0.2334	108.4	0.2586	0.73	05/24/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68387		SampType: MBLK		Units mg/L						
SampID: MB-68387										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	05/24/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	05/24/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	05/24/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	05/24/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	05/24/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	05/24/2011	

Batch 68387		SampType: LCS		Units mg/L					
SampID: LCS-68387									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic	0.0250		1.90	2.00	0	95.0	85	115	05/24/2011
Barium	0.0050		1.92	2.00	0	95.8	85	115	05/24/2011
Cadmium	0.0020		0.0481	0.0500	0	96.2	85	115	05/24/2011
Chromium	0.0100		0.198	0.200	0	98.8	85	115	05/24/2011
Selenium	0.0500		1.86	2.00	0	93.0	85	115	05/24/2011
Silver	0.0100		0.0451	0.0500	0	90.2	85	115	05/24/2011

Batch 68387		SampType: MS		Units mg/L						
SampID: 11051078-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.92	2.00	0	96.2	75	125	05/24/2011	
Barium	0.0050		2.77	2.00	0.9801	89.6	75	125	05/24/2011	
Cadmium	0.0020		0.0453	0.0500	0	90.6	75	125	05/24/2011	
Chromium	0.0100		0.187	0.200	0	93.4	75	125	05/24/2011	
Selenium	0.0500		1.83	2.00	0	91.6	75	125	05/24/2011	
Silver	0.0100		0.0435	0.0500	0	87.0	75	125	05/24/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

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Report Date: 02-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68387		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11051078-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		1.91	2.00	0	95.6	1.923	0.57	05/24/2011
Barium		0.0050		2.76	2.00	0.9801	88.8	2.772	0.58	05/24/2011
Cadmium		0.0020		0.0460	0.0500	0	92.0	0.04530	1.53	05/24/2011
Chromium		0.0100		0.187	0.200	0	93.6	0.1869	0.16	05/24/2011
Selenium		0.0500		1.81	2.00	0	90.6	1.832	1.15	05/24/2011
Silver		0.0100		0.0406	0.0500	0	81.2	0.04350	6.90	05/24/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68386		SampType: MBLK		Units mg/L						
SampID: MB-68386										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	05/24/2011

Batch 68386		SampType: LCS		Units mg/L						
SampID: LCS-68386										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0134	0.0150	0	89.5	80	120	05/24/2011

Batch 68386		SampType: MS		Units mg/L						
SampID: 11051078-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	S	0.0103	0.0150	0	68.5	70	130	05/24/2011

Batch 68386		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11051078-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	S	0.0097	0.0150	0	64.4	0.01027	6.18	05/24/2011

SW-846 7470A (TOTAL)

Batch 68395		SampType: MBLK		Units mg/L						
SampID: MB-68395										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	05/24/2011

Batch 68395		SampType: LCS		Units mg/L						
SampID: LCS-68395										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00463	0.00500	0	92.6	85	115	05/24/2011

Batch 68395		SampType: MS		Units mg/L						
SampID: 11051078-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	0.00354	0.00500	0	70.8	75	125	05/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

SW-846 7470A (TOTAL)

Batch 68395		SampType: MS		Units mg/L							
SampID: 11051078-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 68395		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11051078-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	S	0.00348	0.00500	0	69.6	0.003540	1.71	05/24/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68367	SampType: MBLK	Units mg/L							
SampID: MB-68367									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						05/24/2011
Acenaphthylene	0.00010		ND						05/24/2011
Anthracene	0.00010		ND						05/24/2011
Benzo(a)anthracene	0.00010		ND						05/24/2011
Benzo(a)pyrene	0.00010		ND						05/24/2011
Benzo(b)fluoranthene	0.00010		ND						05/24/2011
Benzo(g,h,i)perylene	0.00010		ND						05/24/2011
Benzo(k)fluoranthene	0.00010		ND						05/24/2011
Chrysene	0.00010		ND						05/24/2011
Dibenzo(a,h)anthracene	0.00010		ND						05/24/2011
Fluoranthene	0.00010		ND						05/24/2011
Fluorene	0.00010		ND						05/24/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						05/24/2011
Naphthalene	0.00010		ND						05/24/2011
Phenanthrene	0.00010		ND						05/24/2011
Pyrene	0.00010		ND						05/24/2011
Surr: 2-Fluorobiphenyl			0.00364	0.00500		72.8	45.4	97.6	05/24/2011
Surr: 2-Fluorophenol			0.00458	0.0100		45.8	24.9	63.7	05/24/2011
Surr: Nitrobenzene-d5			0.00366	0.00500		73.2	45.2	108	05/24/2011
Surr: Phenol-d5			0.00266	0.0100		26.6	15.5	39.5	05/24/2011
Surr: p-Terphenyl-d14			0.00515	0.00500		103.0	46	127	05/24/2011

Batch 68367		SampType: LCS		Units mg/L						
SampID: LCS-68367										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00366	0.00500	0	73.2	50.1	103	05/24/2011	
Acenaphthylene	0.00010		0.00364	0.00500	0	72.8	53.3	122	05/24/2011	
Anthracene	0.00010		0.00368	0.00500	0	73.6	57.4	110	05/24/2011	
Benzo(a)anthracene	0.00010		0.00355	0.00500	0	71.0	56	102	05/24/2011	
Benzo(a)pyrene	0.00010		0.00379	0.00500	0	75.8	55.4	125	05/24/2011	
Benzo(b)fluoranthene	0.00010		0.00312	0.00500	0	62.4	59.3	127	05/24/2011	
Benzo(g,h,i)perylene	0.00010		0.00352	0.00500	0	70.4	58.4	125	05/24/2011	
Benzo(k)fluoranthene	0.00010		0.00316	0.00500	0	63.2	61.5	125	05/24/2011	
Chrysene	0.00010		0.00373	0.00500	0	74.6	58.7	118	05/24/2011	
Dibenzo(a,h)anthracene	0.00010		0.00426	0.00500	0	85.2	59.3	126	05/24/2011	
Fluoranthene	0.00010		0.00378	0.00500	0	75.6	60.1	117	05/24/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68367		SampType: LCS		Units mg/L						
SampID: LCS-68367										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluorene	0.00010		0.00352	0.00500	0	70.4	54.1	110	05/24/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00411	0.00500	0	82.2	58.1	123	05/24/2011	
Naphthalene	0.00010		0.00343	0.00500	0	68.6	36.3	97.1	05/24/2011	
Phenanthrene	0.00010		0.00363	0.00500	0	72.6	55.9	107	05/24/2011	
Pyrene	0.00010		0.00378	0.00500	0	75.6	61.4	116	05/24/2011	
Surr: 2-Fluorobiphenyl			0.00329	0.00500		65.8	45.4	97.6	05/24/2011	
Surr: 2-Fluorophenol			0.00258	0.0100		25.8	24.9	63.7	05/24/2011	
Surr: Nitrobenzene-d5			0.00316	0.00500		63.2	45.2	108	05/24/2011	
Surr: Phenol-d5		S	0.00119	0.0100		11.9	15.5	39.5	05/24/2011	
Surr: p-Terphenyl-d14			0.00472	0.00500		94.4	46	127	05/24/2011	

Batch 68367	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68367									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00356	0.00500	0	71.2	0.003660	2.77	05/24/2011
Acenaphthylene	0.00010		0.00356	0.00500	0	71.2	0.003640	2.22	05/24/2011
Anthracene	0.00010		0.00356	0.00500	0	71.2	0.003680	3.31	05/24/2011
Benzo(a)anthracene	0.00010		0.00345	0.00500	0	69.0	0.003550	2.86	05/24/2011
Benzo(a)pyrene	0.00010		0.00372	0.00500	0	74.4	0.003790	1.86	05/24/2011
Benzo(b)fluoranthene	0.00010		0.00344	0.00500	0	68.8	0.003120	9.76	05/24/2011
Benzo(g,h,i)perylene	0.00010		0.00331	0.00500	0	66.2	0.003520	6.15	05/24/2011
Benzo(k)fluoranthene	0.00010		0.00332	0.00500	0	66.4	0.003160	4.94	05/24/2011
Chrysene	0.00010		0.00365	0.00500	0	73.0	0.003730	2.17	05/24/2011
Dibenzo(a,h)anthracene	0.00010		0.00398	0.00500	0	79.6	0.004260	6.80	05/24/2011
Fluoranthene	0.00010		0.00365	0.00500	0	73.0	0.003780	3.50	05/24/2011
Fluorene	0.00010		0.00344	0.00500	0	68.8	0.003520	2.30	05/24/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00392	0.00500	0	78.4	0.004110	4.73	05/24/2011
Naphthalene	0.00010		0.00342	0.00500	0	68.4	0.003430	0.29	05/24/2011
Phenanthrene	0.00010		0.00343	0.00500	0	68.6	0.003630	5.67	05/24/2011
Pyrene	0.00010		0.00366	0.00500	0	73.2	0.003780	3.23	05/24/2011
Surr: 2-Fluorobiphenyl			0.00317	0.00500		63.4			05/24/2011
Surr: 2-Fluorophenol			0.00302	0.0100		30.2			05/24/2011
Surr: Nitrobenzene-d5			0.00315	0.00500		63.0			05/24/2011
Surr: Phenol-d5			0.00227	0.0100		22.7			05/24/2011
Surr: p-Terphenyl-d14			0.00446	0.00500		89.2			05/24/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68388		SampType: MBLK		Units µg/L						
SampID: MBLK-T110523-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		ND						05/23/2011	
Ethylbenzene	5.0		ND						05/23/2011	
Toluene	5.0		ND						05/23/2011	
Xylenes, Total	5.0		ND						05/23/2011	
Surr: 1,2-Dichloroethane-d4			45.5	50.0		91.0	74.7	129	05/23/2011	
Surr: 4-Bromofluorobenzene			51.2	50.0		102.3	86	119	05/23/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68388 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110523-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Dibromofluoromethane			52.8	50.0		105.6	81.7	123	05/23/2011
Surr: Toluene-d8			47.8	50.0		95.7	84.3	114	05/23/2011

Batch 68388 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-T110523-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		46.5	50.0	0	93.0	47.06	1.20	05/23/2011
Ethylbenzene	5.0		48.3	50.0	0	96.7	49.37	2.11	05/23/2011
Toluene	5.0		45.4	50.0	0	90.7	46.18	1.79	05/23/2011
Xylenes, Total	5.0		148	150	0	98.5	150.1	1.62	05/23/2011
Surr: 1,2-Dichloroethane-d4			53.0	50.0		106.1			05/23/2011
Surr: 4-Bromofluorobenzene			50.9	50.0		101.7			05/23/2011
Surr: Dibromofluoromethane			53.2	50.0		106.4			05/23/2011
Surr: Toluene-d8			48.1	50.0		96.3			05/23/2011

Batch 68388 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110523-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		47.1	50.0	0	94.1	82.7	117	05/23/2011
Ethylbenzene	5.0		49.4	50.0	0	98.7	83	113	05/23/2011
Toluene	5.0		46.2	50.0	0	92.4	79.6	116	05/23/2011
Xylenes, Total	5.0		150	150	0	100.1	80.3	120	05/23/2011
Surr: 1,2-Dichloroethane-d4			52.2	50.0		104.4	74.7	129	05/23/2011
Surr: 4-Bromofluorobenzene			50.7	50.0		101.3	86	119	05/23/2011
Surr: Dibromofluoromethane			52.9	50.0		105.9	81.7	123	05/23/2011
Surr: Toluene-d8			47.9	50.0		95.9	84.3	114	05/23/2011

Batch 68388 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11051078-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		57.1	60.0	0	95.1	57.8	125	05/23/2011
Ethylbenzene	5.0		64.7	60.0	0	107.9	72.8	123	05/23/2011
Toluene	5.0		58.3	60.0	0	97.2	75.8	123	05/23/2011
Xylenes, Total	5.0		128	120	0	106.4	73	127	05/23/2011
Surr: 1,2-Dichloroethane-d4			52.3	50.0		104.6	74.7	129	05/23/2011
Surr: 4-Bromofluorobenzene			51.4	50.0		102.9	86	119	05/23/2011
Surr: Dibromofluoromethane			51.4	50.0		102.8	81.7	123	05/23/2011
Surr: Toluene-d8			47.0	50.0		94.1	84.3	114	05/23/2011

Batch 68388 **SampType:** MSD Units $\mu\text{g/L}$

RPD Limit 20

SampID: 11051078-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		55.8	60.0	0	93.1	57.06	2.16	05/23/2011
Ethylbenzene	5.0		63.4	60.0	0	105.8	64.73	2.00	05/23/2011
Toluene	5.0		57.1	60.0	0	95.2	58.33	2.06	05/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68388		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Xylenes, Total		5.0		126	120	0	105.2	127.7	1.20	05/23/2011
Surr: 1,2-Dichloroethane-d4				52.7	50.0		105.3			05/23/2011
Surr: 4-Bromofluorobenzene				51.3	50.0		102.6			05/23/2011
Surr: Dibromofluoromethane				52.1	50.0		104.1			05/23/2011
Surr: Toluene-d8				47.5	50.0		94.9			05/23/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051078

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 02-Jun-11

Carrier: Sean Spinner

Received By: BSJ

Completed by: *Marvin L. Darling II*

Reviewed by: *Heather A. White*

On:

On:

23-May-11

02-Jun-11

Marvin L. Darling

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 8.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10018

11051078

Project Name: Champaign MGP		Project Mgr.: P. Szazana	
Project Number: 624.0908.0120		Cost Code: 30002	
Sampler(s): Flora			
Laboratory	Name: Teklab, Inc.		
	Location: Collinsville, IL		
Sample Number and (depth)	Date	Time	
30984 T052311	5/23/11	0720	
Matrix			
Soil			
Water			
Air			
Wipes			
Other *			
Total Number of Containers			
7			
BTEX (8260)		X	
SVOC (8270S/M)		X	
RCRA Metals		X	
Total CN-		X	
Amenable CN-		X	
TSS		X	
DO		X	
Comments (Field PID)			
Lab ID #'s			
11051078-cc1			
Laboratory Temperature upon Receipt			
B.K.C. BSA			
Okeanos			

1 DAY

Teklab, Inc.
Courier Pick Up

Samples Iced: ☒ Yes ☐ No	
Preservatives (ONLY for Water Samples)	
☒ Volatile Organics	Hydrochloric acid (HCl)
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☒ Metals	Nitric acid
☒ Cyanide	Sodium hydroxide (NaOH)
☐ Other (Specify)	
Lab Directives:	
Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other	
Fax and/or Mail Results to: P. Szazana, L. Hoosier	
Send Invoice to: B. Martin (Americh)	
QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines:	
Reporting Limits:	
* Special:	

Shipping:	
Carrier / Airbill No.	
Relinquished by:	
Signature	Date
Robert J. Shuman	5/23/11 10:07
Blonde Spence	5/23/11 1305
Received by:	
Signature	Date
Blonde Spence	5/23/11 10:07
Blonde Spence	5/23/11 1305
Shaded Areas to be Completed by Lab	
Distribution: WHITE to Lab PINK to QA/QC GREEN to Sampler	
PE-179 (6/03)	

May 31, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11051267

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/26/2011 12:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Cooler Receipt Temp: 4.0 °C

Locations and Accreditations

Collinsville

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Collinsville, IL 62234-7425

Phone (618) 344-1004

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Kansas City

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Phone (913) 541-1998

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Lab ID: 11051267-001

Client Sample ID: 4419 T 052511

Matrix: AQUEOUS

Collection Date: 05/25/2011 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.38		1	05/26/2011 18:04	R149995
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		9	mg/L	1	05/27/2011 9:30	R150007
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		43	mg/L	1	05/26/2011 13:00	68520
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.073		Interference	mg/L	10	05/27/2011 8:19	R150013
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.070	S	0.275	mg/L	10	05/27/2011 8:19	R150013
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	05/27/2011 10:40	68517
Barium	NELAP	0.0100		0.622	mg/L	2	05/27/2011 11:03	68517
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	05/27/2011 10:40	68517
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	05/27/2011 10:40	68517
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	05/27/2011 10:40	68517
Silver	NELAP	0.0100		< 0.0100	mg/L	1	05/27/2011 10:40	68517
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	05/27/2011 0:00	68516
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	05/27/2011 0:00	68526
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Anthracene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Chrysene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Fluoranthene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Fluorene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Naphthalene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Phenanthrene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Pyrene	NELAP	0.00010		ND	mg/L	1	05/27/2011 12:58	68519
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	05/27/2011 12:58	68519
Surr: 2-Fluorobiphenyl		34.3-105		71.4	%REC	1	05/27/2011 12:58	68519
Surr: 2-Fluorophenol		19.9-55.7		35.6	%REC	1	05/27/2011 12:58	68519
Surr: Nitrobenzene-d5		36.4-127		71.6	%REC	1	05/27/2011 12:58	68519
Surr: Phenol-d5		8.95-38.5		21.1	%REC	1	05/27/2011 12:58	68519
Surr: p-Terphenyl-d14		6.05-133		96.0	%REC	1	05/27/2011 12:58	68519
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	05/26/2011 16:34	68540

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Lab ID: 11051267-001

Client Sample ID: 4419 T 052511

Matrix: AQUEOUS

Collection Date: 05/25/2011 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	05/26/2011 16:34	68540
Toluene	NELAP	5.0		ND	µg/L	1	05/26/2011 16:34	68540
Xylenes, Total	NELAP	5.0		ND	µg/L	1	05/26/2011 16:34	68540
Surr: 1,2-Dichloroethane-d4		74.7-129		111.1	%REC	1	05/26/2011 16:34	68540
Surr: 4-Bromofluorobenzene		86-119		100.7	%REC	1	05/26/2011 16:34	68540
Surr: Dibromofluoromethane		81.7-123		108.0	%REC	1	05/26/2011 16:34	68540
Surr: Toluene-d8		84.3-114		94.2	%REC	1	05/26/2011 16:34	68540



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11051267-001	4419 T 052511	Aqueous	5	05/25/2011 10:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11051267-001A	4419 T 052511	05/25/2011 10:30	5/26/2011 12:50:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		05/26/2011 17:38	05/27/2011 12:58
11051267-001B	4419 T 052511	05/25/2011 10:30	5/26/2011 12:50:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			05/26/2011 18:04
	Standard Methods 18th Ed. 2540 D			05/27/2011 9:30
	Standard Methods 18th Ed. 5210 B		05/26/2011 13:00	05/26/2011 13:00
11051267-001C	4419 T 052511	05/25/2011 10:30	5/26/2011 12:50:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		05/26/2011 16:13	05/27/2011 10:40
	SW-846 3005A, 6010B, Metals by ICP (Total)		05/26/2011 16:13	05/27/2011 11:03
	SW-846 3020A, Metals by GFAA (Total)		05/26/2011 16:08	05/27/2011 0:00
	SW-846 7470A (Total)		05/27/2011 8:00	05/27/2011 0:00
11051267-001D	4419 T 052511	05/25/2011 10:30	5/26/2011 12:50:00 PM	
	SW-846 9012A			05/27/2011 8:19
	SW-846 9012A (Total)			05/27/2011 8:19
11051267-001E	4419 T 052511	05/25/2011 10:30	5/26/2011 12:50:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/26/2011 16:34

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R149995		SampType: LCS		Units						
SampID: LCS-R149995										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.8	05/26/2011

Batch R149995		SampType: DUP		Units				RPD Limit 10			
SampID: 11051267-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.39				7.380	0.14	05/26/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150007		SampType: MBLK		Units mg/L						
SampID: MB-R150007										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						05/27/2011

Batch R150007		SampType: LCS		Units mg/L					
SampID: LCS-R150007									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		98	100	0	98.0	85	115	05/27/2011
Total Suspended Solids	6		95	100	0	95.0	85	115	05/27/2011

Batch R150007		SampType: DUP	Units mg/L					RPD Limit 15		
SampID: 11051267-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		9				9.000	0.00	05/27/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 68520		SampType: LCS		Units mg/L						
SampID: LCS-68520										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		188	198	0	94.9	84.6	115.4	05/26/2011

Batch 68520		SampType: DUP	Units mg/L					RPD Limit 40		Date Analyzed
SampID: 11051267-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		45				43.00	4.55	05/26/2011

SW-846 9012A (TOTAL)

Batch R150013		SampType: MBLK		Units mg/L						
SampID: MB-R150013										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						05/27/2011
Cyanide		0.007		< 0.007						05/27/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

SW-846 9012A (TOTAL)

Batch R150013		SampType: LCS		Units mg/L						
SampID: LCS-R150013										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.025	0.025	0	100.8	85	115	05/27/2011	
Cyanide	0.007		0.026	0.025	0	103.6	90	110	05/27/2011	

Batch R150013		SampType: MS		Units mg/L						
SampID: 11051267-001DMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.070	S	0.312	0.025	0.2747	148.3	75	125	05/27/2011

Batch R150013		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11051267-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.070		0.299	0.025	0.2747	98.4	0.3118	4.08	05/27/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68517		SampType: MBLK		Units mg/L						
SampID: MB-68517										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	05/27/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	05/27/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	05/27/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	05/27/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	05/27/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	05/27/2011

Batch 68517		SampType: LCS		Units mg/L					
SampID: LCS-68517									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic	0.0250		2.05	2.00	0	102.3	85	115	05/27/2011
Barium	0.0050		2.00	2.00	0	100.1	85	115	05/27/2011
Cadmium	0.0020		0.0515	0.0500	0	103.0	85	115	05/27/2011
Chromium	0.0100		0.210	0.200	0	105.0	85	115	05/27/2011
Selenium	0.0500		1.95	2.00	0	97.6	85	115	05/27/2011
Silver	0.0100		0.0507	0.0500	0	101.4	85	115	05/27/2011

Batch 68517		SampType: MS		Units mg/L					
SampID: 11051267-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.00	2.00	0	100.1	75	125	05/27/2011
Barium	0.0100		2.54	2.00	0.6216	96.0	75	125	05/27/2011
Cadmium	0.0020		0.0469	0.0500	0	93.8	75	125	05/27/2011
Chromium	0.0100		0.192	0.200	0	96.1	75	125	05/27/2011
Selenium	0.0500		1.87	2.00	0	93.4	75	125	05/27/2011
Silver	0.0100		0.0470	0.0500	0	94.0	75	125	05/27/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68517		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11051267-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.00	2.00	0	100.2	2.002	0.15	05/27/2011
Barium		0.0100		2.57	2.00	0.6216	97.5	2.542	1.17	05/27/2011
Cadmium		0.0020		0.0469	0.0500	0	93.8	0.04690	0.00	05/27/2011
Chromium		0.0100		0.193	0.200	0	96.6	0.1922	0.52	05/27/2011
Selenium		0.0500		1.88	2.00	0	94.1	1.868	0.75	05/27/2011
Silver		0.0100		0.0472	0.0500	0	94.4	0.04700	0.42	05/27/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68516		SampType: MBLK		Units mg/L						
SampID: MB-68516										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	05/27/2011

Batch 68516		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-68516										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0165	0.0150	0	109.9	80	120	
05/27/2011										

Batch 68516		SampType: MS		Units mg/L						Date Analyzed
SampID: 11051267-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0153	0.0150	0	101.8	70	130	
05/27/2011										

Batch 68516		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11051267-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0155	0.0150	0	103.5	0.01527	1.64	05/27/2011

SW-846 7470A (TOTAL)

Batch 68526		SampType: MBLK		Units mg/L						
SampID: MB-68526										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	05/27/2011

Batch 68526		SampType: LCS		Units mg/L						
SampID: LCS-68526										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00503	0.00500	0	100.6	85	115	05/27/2011

Batch 68526		SampType: MS		Units mg/L						Date Analyzed
SampID: 11051267-001CMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		0.00480	0.00500	0	96.0	75	125		

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

SW-846 7470A (TOTAL)

Batch 68526		SampType: MS		Units mg/L							
SampID: 11051267-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 68526		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11051267-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00480	0.00500	0	96.0	0.004800	0.00	05/27/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68519	SampType: MBLK	Units mg/L								
SampID: MB-68519										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						05/27/2011	
Acenaphthylene	0.00010		ND						05/27/2011	
Anthracene	0.00010		ND						05/27/2011	
Benzo(a)anthracene	0.00010		ND						05/27/2011	
Benzo(a)pyrene	0.00010		ND						05/27/2011	
Benzo(b)fluoranthene	0.00010		ND						05/27/2011	
Benzo(g,h,i)perylene	0.00010		ND						05/27/2011	
Benzo(k)fluoranthene	0.00010		ND						05/27/2011	
Chrysene	0.00010		ND						05/27/2011	
Dibenzo(a,h)anthracene	0.00010		ND						05/27/2011	
Fluoranthene	0.00010		ND						05/27/2011	
Fluorene	0.00010		ND						05/27/2011	
Naphthalene	0.00010		ND						05/27/2011	
Phenanthrene	0.00010		ND						05/27/2011	
Pyrene	0.00010		ND						05/27/2011	
Total PNAs except Naphthalene	0.00013		ND						05/27/2011	
Surr: 2-Fluorobiphenyl			0.00351	0.00500		70.2	45.4	97.6	05/27/2011	
Surr: 2-Fluorophenol			0.00425	0.0100		42.5	24.9	63.7	05/27/2011	
Surr: Nitrobenzene-d5			0.00375	0.00500		75.0	45.2	108	05/27/2011	
Surr: Phenol-d5			0.00265	0.0100		26.5	15.5	39.5	05/27/2011	
Surr: p-Terphenyl-d14			0.00514	0.00500		102.8	46	127	05/27/2011	

Batch 68519	SampType: LCS	Units mg/L								
SampID: LCS-68519										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00392	0.00500	0	78.4	50.1	103	05/27/2011	
Acenaphthylene	0.00010		0.00387	0.00500	0	77.4	53.3	122	05/27/2011	
Anthracene	0.00010		0.00392	0.00500	0	78.4	57.4	110	05/27/2011	
Benzo(a)anthracene	0.00010		0.00390	0.00500	0	78.0	56	102	05/27/2011	
Benzo(a)pyrene	0.00010		0.00427	0.00500	0	85.4	55.4	125	05/27/2011	
Benzo(b)fluoranthene	0.00010		0.00425	0.00500	0	85.0	59.3	127	05/27/2011	
Benzo(g,h,i)perylene	0.00010		0.00471	0.00500	0	94.2	58.4	125	05/27/2011	
Benzo(k)fluoranthene	0.00010		0.00438	0.00500	0	87.6	61.5	125	05/27/2011	
Chrysene	0.00010		0.00421	0.00500	0	84.2	58.7	118	05/27/2011	
Dibenzo(a,h)anthracene	0.00010		0.00432	0.00500	0	86.4	59.3	126	05/27/2011	
Fluoranthene	0.00010		0.00409	0.00500	0	81.8	60.1	117	05/27/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68519		SampType: LCS		Units mg/L						
SampID: LCS-68519										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluorene	0.00010		0.00375	0.00500	0	75.0	54.1	110	05/27/2011	
Naphthalene	0.00010		0.00361	0.00500	0	72.2	36.3	97.1	05/27/2011	
Phenanthrene	0.00010		0.00386	0.00500	0	77.2	55.9	107	05/27/2011	
Pyrene	0.00010		0.00409	0.00500	0	81.8	61.4	116	05/27/2011	
Surr: 2-Fluorobiphenyl			0.00352	0.00500		70.4	45.4	97.6	05/27/2011	
Surr: 2-Fluorophenol			0.00425	0.0100		42.5	24.9	63.7	05/27/2011	
Surr: Nitrobenzene-d5			0.00361	0.00500		72.2	45.2	108	05/27/2011	
Surr: Phenol-d5			0.00249	0.0100		24.9	15.5	39.5	05/27/2011	
Surr: p-Terphenyl-d14			0.00514	0.00500		102.8	46	127	05/27/2011	

Batch 68519	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68519									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00408	0.00500	0	81.6	0.003920	4.00	05/27/2011
Acenaphthylene	0.00010		0.00389	0.00500	0	77.8	0.003870	0.52	05/27/2011
Anthracene	0.00010		0.00398	0.00500	0	79.6	0.003920	1.52	05/27/2011
Benzo(a)anthracene	0.00010		0.00392	0.00500	0	78.4	0.003900	0.51	05/27/2011
Benzo(a)pyrene	0.00010		0.00430	0.00500	0	86.0	0.004270	0.70	05/27/2011
Benzo(b)fluoranthene	0.00010		0.00434	0.00500	0	86.8	0.004250	2.10	05/27/2011
Benzo(g,h,i)perylene	0.00010		0.00475	0.00500	0	95.0	0.004710	0.85	05/27/2011
Benzo(k)fluoranthene	0.00010		0.00438	0.00500	0	87.6	0.004380	0.00	05/27/2011
Chrysene	0.00010		0.00427	0.00500	0	85.4	0.004210	1.42	05/27/2011
Dibenzo(a,h)anthracene	0.00010		0.00437	0.00500	0	87.4	0.004320	1.15	05/27/2011
Fluoranthene	0.00010		0.00410	0.00500	0	82.0	0.004090	0.24	05/27/2011
Fluorene	0.00010		0.00385	0.00500	0	77.0	0.003750	2.63	05/27/2011
Naphthalene	0.00010		0.00365	0.00500	0	73.0	0.003610	1.10	05/27/2011
Phenanthrene	0.00010		0.00390	0.00500	0	78.0	0.003860	1.03	05/27/2011
Pyrene	0.00010		0.00409	0.00500	0	81.8	0.004090	0.00	05/27/2011
Surr: 2-Fluorobiphenyl			0.00350	0.00500		70.0			05/27/2011
Surr: 2-Fluorophenol			0.00385	0.0100		38.5			05/27/2011
Surr: Nitrobenzene-d5			0.00344	0.00500		68.8			05/27/2011
Surr: Phenol-d5			0.00234	0.0100		23.4			05/27/2011
Surr: p-Terphenyl-d14			0.00492	0.00500		98.4			05/27/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68540		SampType: MBLK		Units µg/L						
SampID: MBLK-T110526-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		ND						05/26/2011	
Ethylbenzene	5.0		ND						05/26/2011	
Toluene	5.0		ND						05/26/2011	
Xylenes, Total	5.0		ND						05/26/2011	
Surr: 1,2-Dichloroethane-d4			55.6	50.0		111.2	74.7	129	05/26/2011	
Surr: 4-Bromofluorobenzene			51.1	50.0		102.1	86	119	05/26/2011	
Surr: Dibromofluoromethane			53.7	50.0		107.4	81.7	123	05/26/2011	
Surr: Toluene-d8			46.9	50.0		93.7	84.3	114	05/26/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68540 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110526-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch 68540 **SampType:** LCSD Units $\mu\text{g/L}$

SampID: LCSD-T110526-1

 RPD Limit **40**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		45.7	50.0	0	91.4	45.21	1.12	05/26/2011
Ethylbenzene	5.0		46.0	50.0	0	92.0	46.44	0.91	05/26/2011
Toluene	5.0		43.9	50.0	0	87.8	43.64	0.59	05/26/2011
Xylenes, Total	5.0		139	150	0	92.7	139.4	0.24	05/26/2011
Surr: 1,2-Dichloroethane-d4			56.6	50.0		113.3			05/26/2011
Surr: 4-Bromofluorobenzene			51.2	50.0		102.5			05/26/2011
Surr: Dibromofluoromethane			55.6	50.0		111.3			05/26/2011
Surr: Toluene-d8			47.5	50.0		95.0			05/26/2011

Batch 68540 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110526-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		45.2	50.0	0	90.4	82.7	117	05/26/2011
Ethylbenzene	5.0		46.4	50.0	0	92.9	83	113	05/26/2011
Toluene	5.0		43.6	50.0	0	87.3	79.6	116	05/26/2011
Xylenes, Total	5.0		139	150	0	92.9	80.3	120	05/26/2011
Surr: 1,2-Dichloroethane-d4			56.7	50.0		113.4	74.7	129	05/26/2011
Surr: 4-Bromofluorobenzene			50.7	50.0		101.4	86	119	05/26/2011
Surr: Dibromofluoromethane			55.7	50.0		111.5	81.7	123	05/26/2011
Surr: Toluene-d8			47.8	50.0		95.5	84.3	114	05/26/2011

Batch 68540 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11051267-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		54.9	60.0	0	91.6	57.8	125	05/26/2011
Ethylbenzene	5.0		62.6	60.0	0	104.3	72.8	123	05/26/2011
Toluene	5.0		57.2	60.0	0	95.4	75.8	123	05/26/2011
Xylenes, Total	5.0		125	120	0	104.2	73	127	05/26/2011
Surr: 1,2-Dichloroethane-d4			56.1	50.0		112.3	74.7	129	05/26/2011
Surr: 4-Bromofluorobenzene			51.6	50.0		103.1	86	119	05/26/2011
Surr: Dibromofluoromethane			53.2	50.0		106.3	81.7	123	05/26/2011
Surr: Toluene-d8			47.0	50.0		94.0	84.3	114	05/26/2011

Batch 68540 **SampType:** MSD Units $\mu\text{g/L}$

SampID: 11051267-001EMSD

 RPD Limit **20**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		55.0	60.0	0	91.7	54.93	0.20	05/26/2011
Ethylbenzene	5.0		62.5	60.0	0	104.1	62.58	0.19	05/26/2011
Toluene	5.0		56.6	60.0	0	94.3	57.25	1.21	05/26/2011
Xylenes, Total	5.0		127	120	0	105.7	125.0	1.44	05/26/2011
Surr: 1,2-Dichloroethane-d4			55.8	50.0		111.7			05/26/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68540		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 11051267-001EMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Surr: 4-Bromofluorobenzene				50.6	50.0		101.3			05/26/2011	
Surr: Dibromofluoromethane				53.1	50.0		106.3			05/26/2011	
Surr: Toluene-d8				46.8	50.0		93.7			05/26/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051267

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 31-May-11

Carrier: Sean Spinner

Received By: BSJ

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

26-May-11

26-May-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 10019

105/267

[illegible]

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid	
☒ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. Szagoma, L. Hoosier (PSC)

Send Invoice to: B. Martin (Amercon)

QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Signature	Date
		Nick Furr	5/26/11	[Signature]	5/26/11
		[Signature]	5/26/11	[Signature]	5/26/11

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

June 06, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11051416

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 5/31/2011 1:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

Cooler Receipt Temp: 11.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

Lab ID: 11051416-001

Client Sample ID: 6773T053111

Matrix: AQUEOUS

Collection Date: 05/31/2011 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.19		1	05/31/2011 16:55	R150121
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		10	mg/L	1	06/01/2011 10:00	R150131
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		45	mg/L	1	06/01/2011 13:10	68632
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.078		< 0.078	mg/L	10	06/01/2011 9:20	R150127
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.070	S	0.284	mg/L	10	06/01/2011 9:20	R150127
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/01/2011 11:55	68607
Barium	NELAP	0.0500		0.666	mg/L	10	06/01/2011 13:59	68607
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/01/2011 11:55	68607
Chromium	NELAP	0.0100	J	0.0062	mg/L	1	06/01/2011 11:55	68607
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/01/2011 11:55	68607
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/01/2011 11:55	68607
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/01/2011 14:40	68606
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/01/2011 8:29	68486
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Anthracene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Chrysene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Fluorene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Pyrene	NELAP	0.00010		ND	mg/L	1	06/03/2011 11:21	68602
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/03/2011 11:21	68602
Surr: 2-Fluorobiphenyl		34.3-105		90.5	%REC	1	06/03/2011 11:21	68602
Surr: 2-Fluorophenol		19.9-55.7		46.6	%REC	1	06/03/2011 11:21	68602
Surr: Nitrobenzene-d5		36.4-127		85.2	%REC	1	06/03/2011 11:21	68602
Surr: Phenol-d5		8.95-38.5		26.9	%REC	1	06/03/2011 11:21	68602
Surr: p-Terphenyl-d14		6.05-133		111.0	%REC	1	06/03/2011 11:21	68602

2-Fluorobiphenyl surrogate was outside upper QC limits in the Method Blank.

Client: PSC Industrial Outsourcing, LP**Work Order:** 11051416**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 06-Jun-11**Lab ID:** 11051416-001**Client Sample ID:** 6773T053111**Matrix:** AQUEOUS**Collection Date:** 05/31/2011 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	05/31/2011 16:39	68596
Ethylbenzene	NELAP	5.0		ND	µg/L	1	05/31/2011 16:39	68596
Toluene	NELAP	5.0		ND	µg/L	1	05/31/2011 16:39	68596
Xylenes, Total	NELAP	5.0		ND	µg/L	1	05/31/2011 16:39	68596
Surr: 1,2-Dichloroethane-d4		74.7-129		111.6	%REC	1	05/31/2011 16:39	68596
Surr: 4-Bromofluorobenzene		86-119		103.1	%REC	1	05/31/2011 16:39	68596
Surr: Dibromofluoromethane		81.7-123		107.2	%REC	1	05/31/2011 16:39	68596
Surr: Toluene-d8		84.3-114		93.9	%REC	1	05/31/2011 16:39	68596



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11051416-001	6773T053111	Aqueous	5	05/31/2011 8:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11051416-001A	6773T053111	05/31/2011 8:00	5/31/2011 1:05:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		05/31/2011 17:08	06/03/2011 11:21
11051416-001B	6773T053111	05/31/2011 8:00	5/31/2011 1:05:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			05/31/2011 16:55
	Standard Methods 18th Ed. 2540 D			06/01/2011 10:00
	Standard Methods 18th Ed. 5210 B		06/01/2011 13:10	06/01/2011 13:10
11051416-001C	6773T053111	05/31/2011 8:00	5/31/2011 1:05:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/01/2011 7:24	06/01/2011 11:55
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/01/2011 7:24	06/01/2011 13:59
	SW-846 3020A, Metals by GFAA (Total)		06/01/2011 7:20	06/01/2011 14:40
	SW-846 7470A (Total)		06/01/2011 8:16	06/01/2011 8:29
11051416-001D	6773T053111	05/31/2011 8:00	5/31/2011 1:05:00 PM	
	SW-846 9012A			06/01/2011 9:20
	SW-846 9012A (Total)			06/01/2011 9:20
11051416-001E	6773T053111	05/31/2011 8:00	5/31/2011 1:05:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/31/2011 16:39

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150121		SampType: LCS		Units							
SampID: LCS-R150121											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		6.99	7.00	0	99.9	99.1	100.8	05/31/2011	

Batch R150121		SampType: DUP		Units				RPD Limit 10			
SampID: 11051416-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		7.19				7.190	0.00	05/31/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150131		SampType: MBLK		Units mg/L							
SampID: MB-R150131											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						06/01/2011	

Batch R150131		SampType: LCS		Units mg/L						
SampID: LCS-R150131										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		96	100	0	96.0	85	115	06/01/2011
Total Suspended Solids		6		95	100	0	95.0	85	115	06/01/2011
Total Suspended Solids		6		94	100	0	94.0	85	115	06/01/2011

Batch R150131		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11051416-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		10				10.00	0.00	06/01/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 68632		SampType: LCS		Units mg/L						
SampID: LCS-68632										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		5		203	198	0	102.5	84.6	115.4	06/01/2011

Batch 68632		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11051416-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		46				45.00	2.20	06/01/2011	

SW-846 9012A (TOTAL)

Batch R150127		SampType: MBLK	Units mg/L							
SampID: MB-R150127										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide	0.007		< 0.007						06/01/2011	
Cyanide	0.007		< 0.007						05/31/2011	
Cyanide	0.007		< 0.007						05/31/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

SW-846 9012A (TOTAL)

Batch R150127		SampType: MBLK		Units mg/L						
SampID: MB-R150127										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						06/01/2011

Batch R150127		SampType: LCS		Units mg/L						
SampID: LCS-R150127										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.028	0.025	0	111.1	85	115	06/01/2011	
Cyanide	0.007		0.027	0.025	0	107.0	90	110	06/01/2011	
Cyanide	0.007		0.026	0.025	0	102.4	90	110	05/31/2011	
Cyanide	0.007		0.027	0.025	0	106.9	85	115	05/31/2011	
Cyanide	0.008		0.027	0.025	0	107.6	85	115	06/01/2011	

Batch R150127		SampType: MS		Units mg/L						
SampID: 11051416-001DMS										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.070		0.306	0.025	0.2835	90.2	75	125	06/01/2011

Batch R150127		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11051416-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.070	S	0.300	0.025	0.2835	65.1	0.3061	2.07	06/01/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68607		SampType: MBLK		Units mg/L						
SampID: MB-68607										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/01/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/01/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/03/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/01/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/01/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/01/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/01/2011	

Batch 68607		SampType: LCS		Units mg/L							
SampID: LCS-68607											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.0250		2.11	2.00	0	105.7	85	115	06/01/2011	
Barium		0.0050		2.10	2.00	0	105.2	85	115	06/03/2011	
Barium		0.0050		2.07	2.00	0	103.6	85	115	06/01/2011	
Cadmium		0.0020		0.0524	0.0500	0	104.8	85	115	06/01/2011	
Chromium		0.0100		0.214	0.200	0	107.0	85	115	06/01/2011	
Selenium		0.0500		2.06	2.00	0	102.8	85	115	06/01/2011	
Silver		0.0100		0.0536	0.0500	0	107.2	85	115	06/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68607		SampType: MS		Units mg/L						
SampID: 11051416-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.12	2.00	0	106.0	75	125	06/01/2011	
Barium	0.0500		2.58	2.00	0.6660	95.5	75	125	06/01/2011	
Cadmium	0.0020		0.0492	0.0500	0	98.4	75	125	06/01/2011	
Chromium	0.0100		0.204	0.200	0.006200	98.7	75	125	06/01/2011	
Selenium	0.0500		2.00	2.00	0	100.2	75	125	06/01/2011	
Silver	0.0100		0.0516	0.0500	0	103.2	75	125	06/01/2011	

Batch 68607		SampType: MSD	Units mg/L					RPD Limit 20		Date Analyzed
SampID: 11051416-001CMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Arsenic	0.0250		2.10	2.00	0	104.9	2.119	1.00		
Barium	0.0500		2.64	2.00	0.6660	98.9	2.576	2.61		
Cadmium	0.0020		0.0493	0.0500	0	98.6	0.04920	0.20		
Chromium	0.0100		0.203	0.200	0.006200	98.4	0.2036	0.34		
Selenium	0.0500		2.00	2.00	0	99.8	2.005	0.50		
Silver	0.0100		0.0493	0.0500	0	98.6	0.05160	4.56		

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68606		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-68606										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	
06/01/2011										

Batch 68606		SampType: LCS		Units mg/L						
SampID: LCS-68606		Date Analyzed								
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0159	0.0150	0	106.1	80	120	06/01/2011

Batch 68606		SampType: MS		Units mg/L						
SampID: 11051416-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0139	0.0150	0	92.7	70	130	06/01/2011

Batch 68606		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11051416-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0133	0.0150	0	88.8	0.01391	4.38	06/01/2011

SW-846 7470A (TOTAL)

Batch 68486		SampType: MBLK		Units mg/L						
SampID: MB-68486										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/01/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

SW-846 7470A (TOTAL)

Batch 68486		SampType: MBLK		Units mg/L							
SampID: MB-68486											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 68486		SampType: LCS		Units mg/L						
SampID: LCS-68486										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00506	0.00500	0	101.2	85	115	06/01/2011

Batch 68486		SampType: MS		Units mg/L						
SampID: 11051416-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00411	0.00500	0	82.2	75	125	06/01/2011

Batch 68486		SampType: MSD	Units mg/L				RPD Limit 15			
SampID: 11051416-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00413	0.00500	0	82.6	0.004110	0.49	

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	68602	SampType:	MBLK	Units mg/L						
SampID: MB-68602										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						06/03/2011	
Acenaphthylene	0.00010		ND						06/03/2011	
Anthracene	0.00010		ND						06/03/2011	
Benzo(a)anthracene	0.00010		ND						06/03/2011	
Benzo(a)pyrene	0.00010		ND						06/03/2011	
Benzo(b)fluoranthene	0.00010		ND						06/03/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/03/2011	
Benzo(k)fluoranthene	0.00010		ND						06/03/2011	
Chrysene	0.00010		ND						06/03/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/03/2011	
Fluoranthene	0.00010		ND						06/03/2011	
Fluorene	0.00010		ND						06/03/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						06/03/2011	
Naphthalene	0.00010		ND						06/03/2011	
Phenanthrene	0.00010		ND						06/03/2011	
Pyrene	0.00010		ND						06/03/2011	
Total PNAs except Naphthalene	0.00013		ND						06/03/2011	
Surr: 2-Fluorobiphenyl		S	0.00493	0.00500		98.6	45.4	97.6	06/03/2011	
Surr: 2-Fluorophenol			0.00558	0.0100		55.8	24.9	63.7	06/03/2011	
Surr: Nitrobenzene-d5			0.00435	0.00500		87.0	45.2	108	06/03/2011	
Surr: Phenol-d5			0.00359	0.0100		35.9	15.5	39.5	06/03/2011	
Surr: p-Terphenyl-d14			0.00537	0.00500		107.4	46	127	06/03/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68602		SampType: LCS		Units mg/L						
SampID: LCS-68602										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00404	0.00500	0	80.7	50.1	103	06/03/2011	
Acenaphthylene	0.00010		0.00419	0.00500	0	83.7	53.3	122	06/03/2011	
Anthracene	0.00010		0.00439	0.00500	0	87.8	57.4	110	06/03/2011	
Benzo(a)anthracene	0.00010		0.00404	0.00500	0	80.7	56	102	06/03/2011	
Benzo(a)pyrene	0.00010		0.00446	0.00500	0	89.1	55.4	125	06/03/2011	
Benzo(b)fluoranthene	0.00010		0.00457	0.00500	0	91.3	59.3	127	06/03/2011	
Benzo(g,h,i)perylene	0.00010		0.00451	0.00500	0	90.2	58.4	125	06/03/2011	
Benzo(k)fluoranthene	0.00010		0.00438	0.00500	0	87.6	61.5	125	06/03/2011	
Chrysene	0.00010		0.00428	0.00500	0	85.6	58.7	118	06/03/2011	
Dibenzo(a,h)anthracene	0.00010		0.00443	0.00500	0	88.7	59.3	126	06/03/2011	
Fluoranthene	0.00010		0.00429	0.00500	0	85.8	60.1	117	06/03/2011	
Fluorene	0.00010		0.00427	0.00500	0	85.3	54.1	110	06/03/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00450	0.00500	0	90.0	58.1	123	06/03/2011	
Naphthalene	0.00010		0.00382	0.00500	0	76.3	36.3	97.1	06/03/2011	
Phenanthrene	0.00010		0.00418	0.00500	0	83.6	55.9	107	06/03/2011	
Pyrene	0.00010		0.00427	0.00500	0	85.5	61.4	116	06/03/2011	
Surr: 2-Fluorobiphenyl			0.00426	0.00500		85.1	45.4	97.6	06/03/2011	
Surr: 2-Fluorophenol			0.00565	0.0100		56.5	24.9	63.7	06/03/2011	
Surr: Nitrobenzene-d5			0.00437	0.00500		87.4	45.2	108	06/03/2011	
Surr: Phenol-d5			0.00341	0.0100		34.1	15.5	39.5	06/03/2011	
Surr: p-Terphenyl-d14			0.00565	0.00500		113.0	46	127	06/03/2011	

Batch 68602	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68602									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00371	0.00500	0	74.1	0.004036	8.52	06/03/2011
Acenaphthylene	0.00010		0.00375	0.00500	0	74.9	0.004186	11.09	06/03/2011
Anthracene	0.00010		0.00403	0.00500	0	80.6	0.004388	8.56	06/03/2011
Benzo(a)anthracene	0.00010		0.00366	0.00500	0	73.3	0.004035	9.64	06/03/2011
Benzo(a)pyrene	0.00010		0.00405	0.00500	0	81.0	0.004456	9.52	06/03/2011
Benzo(b)fluoranthene	0.00010		0.00411	0.00500	0	82.3	0.004567	10.46	06/03/2011
Benzo(g,h,i)perylene	0.00010		0.00411	0.00500	0	82.2	0.004508	9.21	06/03/2011
Benzo(k)fluoranthene	0.00010		0.00399	0.00500	0	79.9	0.004381	9.27	06/03/2011
Chrysene	0.00010		0.00388	0.00500	0	77.5	0.004281	9.90	06/03/2011
Dibenzo(a,h)anthracene	0.00010		0.00405	0.00500	0	80.9	0.004433	9.10	06/03/2011
Fluoranthene	0.00010		0.00391	0.00500	0	78.2	0.004290	9.32	06/03/2011
Fluorene	0.00010		0.00381	0.00500	0	76.2	0.004265	11.30	06/03/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00409	0.00500	0	81.8	0.004502	9.64	06/03/2011
Naphthalene	0.00010		0.00354	0.00500	0	70.9	0.003817	7.45	06/03/2011
Phenanthrene	0.00010		0.00385	0.00500	0	76.9	0.004182	8.34	06/03/2011
Pyrene	0.00010		0.00391	0.00500	0	78.2	0.004274	8.92	06/03/2011
Surr: 2-Fluorobiphenyl			0.00377	0.00500		75.4			06/03/2011
Surr: 2-Fluorophenol			0.00493	0.0100		49.3			06/03/2011
Surr: Nitrobenzene-d5			0.00375	0.00500		75.1			06/03/2011
Surr: Phenol-d5			0.00301	0.0100		30.1			06/03/2011
Surr: p-Terphenyl-d14			0.00509	0.00500		101.9			06/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68596		SampType: MBLK		Units µg/L						
SampID: MBLK-T110531-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						05/31/2011
Ethylbenzene		5.0		ND						05/31/2011
Toluene		5.0		ND						05/31/2011
Xylenes, Total		5.0		ND						05/31/2011
Surr: 1,2-Dichloroethane-d4				57.8	50.0		115.5	74.7	129	05/31/2011
Surr: 4-Bromofluorobenzene				51.2	50.0		102.3	86	119	05/31/2011
Surr: Dibromofluoromethane				55.5	50.0		111.0	81.7	123	05/31/2011
Surr: Toluene-d8				45.9	50.0		91.8	84.3	114	05/31/2011

Batch 68596	SampType: LCSD	Units µg/L						RPD Limit 40		
SampID: LCSD-T110531-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		45.2	50.0	0	90.5	46.39	2.51	05/31/2011	
Ethylbenzene	5.0		46.1	50.0	0	92.2	47.81	3.64	05/31/2011	
Toluene	5.0		43.4	50.0	0	86.9	44.60	2.61	05/31/2011	
Xylenes, Total	5.0		141	150	0	93.7	146.3	3.97	05/31/2011	
Surr: 1,2-Dichloroethane-d4			58.1	50.0		116.2			05/31/2011	
Surr: 4-Bromofluorobenzene			51.2	50.0		102.3			05/31/2011	
Surr: Dibromofluoromethane			56.0	50.0		112.0			05/31/2011	
Surr: Toluene-d8			47.1	50.0		94.2			05/31/2011	

Batch 68596		SampType: LCS		Units µg/L						
SampID: LCS-T110531-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		46.4	50.0	0	92.8	82.7	117	05/31/2011
Ethylbenzene		5.0		47.8	50.0	0	95.6	83	113	05/31/2011
Toluene		5.0		44.6	50.0	0	89.2	79.6	116	05/31/2011
Xylenes, Total		5.0		146	150	0	97.5	80.3	120	05/31/2011
Surr: 1,2-Dichloroethane-d4				58.7	50.0		117.4	74.7	129	05/31/2011
Surr: 4-Bromofluorobenzene				50.6	50.0		101.3	86	119	05/31/2011
Surr: Dibromofluoromethane				56.9	50.0		113.7	81.7	123	05/31/2011
Surr: Toluene-d8				47.3	50.0		94.6	84.3	114	05/31/2011

Batch 68596		SampType: MS		Units µg/L						
SampID: 11051416-001EMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		54.8	60.0	0	91.3	57.8	125	05/31/2011
Ethylbenzene		5.0		63.2	60.0	0	105.3	72.8	123	05/31/2011
Toluene		5.0		57.0	60.0	0	95.0	75.8	123	05/31/2011
Xylenes, Total		5.0		127	120	0	106.0	73	127	05/31/2011
Surr: 1,2-Dichloroethane-d4				55.5	50.0		110.9	74.7	129	05/31/2011
Surr: 4-Bromofluorobenzene				51.8	50.0		103.6	86	119	05/31/2011
Surr: Dibromofluoromethane				53.3	50.0		106.6	81.7	123	05/31/2011
Surr: Toluene-d8				46.5	50.0		92.9	84.3	114	05/31/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68596		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene		2.0		53.4	60.0	0	89.0	54.80	2.59	05/31/2011
Ethylbenzene		5.0		62.5	60.0	0	104.2	63.17	1.07	05/31/2011
Toluene		5.0		55.7	60.0	0	92.8	56.97	2.31	05/31/2011
Xylenes, Total		5.0		125	120	0	104.2	127.2	1.78	05/31/2011
Surr: 1,2-Dichloroethane-d4				55.3	50.0		110.6			05/31/2011
Surr: 4-Bromofluorobenzene				52.4	50.0		104.7			05/31/2011
Surr: Dibromofluoromethane				54.2	50.0		108.4			05/31/2011
Surr: Toluene-d8				46.6	50.0		93.3			05/31/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11051416

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 06-Jun-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

31-May-11

Timothy W. Mathis

Reviewed by:

On:

31-May-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 11.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B 10022**

Project Name: **Champaign MGP** Project Mgr.: **P. Szegma**
Project Number: **624-0908-0120** Cost Code: **J0002**

Sampler(s): **Flora**
Laboratory Name: **Teklab, Inc.**
Location: **Collinsville, IL**

Sample Number and (depth) **6773 T053111** Date **5/31/11** Time **0800**

Total Number of Containers **7**

Analyses by Method Name and Number

Matrix	Soil	Water	Air	Wipes	Other *
BTEX (8260)	X				
SVOL (8270S/M)	X				
RCRA Metals	X				
Total CN	X				
Amenable CN	X				
TSS	X				
TH	X				
PAH	X				

Laboratory Temperature upon Receipt
11.2

Comments (Field PID)
HEADSPACE Tm 5:31:11
RES V TMS: 3111

Lab ID #s
11057416-001

Teklab, Inc.
Early Pick Up

1 DAY

Samples Iced:

☒ Yes ☐ No

Preservatives (ONLY for Water Samples)
☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid
☒ Metals Nitric acid (HNO₃)
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: **P. Szegma, L. Hoessier**
Send Invoice to: **B. Martin**
QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature **Will O'Stall** Date **5/31/11** Time **1004**
Signature **[Signature]** Date **5/31/11** Time **1305**

Received by:

Signature **[Signature]** Date **5/31/11** Time **1004**
Signature **[Signature]** Date **5/31/11** Time **1305**

June 09, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060059

Dear Pete Sazama:

TEKLAB, INC received 5 samples on 6/1/2011 5:07:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	27
Dates Report	28
Quality Control Results	30
Receiving Check List	53
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Cooler Receipt Temp: 13.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-001

Client Sample ID: 30984T060111

Matrix: AQUEOUS

Collection Date: 06/01/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		7.45		1	06/01/2011 18:27	R150183
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	06/02/2011 9:00	R150198
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		50	mg/L	1	06/02/2011 11:30	68666
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.073		0.188	mg/L	10	06/03/2011 8:09	R150214
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.073	S	0.264	mg/L	10	06/03/2011 8:09	R150214
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/02/2011 12:25	68638
Barium	NELAP	0.0050		0.554	mg/L	1	06/02/2011 12:25	68638
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/02/2011 12:25	68638
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/02/2011 12:25	68638
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/02/2011 12:25	68638
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/02/2011 12:25	68638
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	06/02/2011 12:15	68637
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/02/2011 0:00	68646
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Anthracene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Chrysene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Fluorene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Pyrene	NELAP	0.00010		ND	mg/L	1	06/02/2011 16:20	68636
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/02/2011 16:20	68636
Surr: 2-Fluorobiphenyl		34.3-105		80.0	%REC	1	06/02/2011 16:20	68636
Surr: 2-Fluorophenol		19.9-55.7		36.8	%REC	1	06/02/2011 16:20	68636
Surr: Nitrobenzene-d5		36.4-127		70.9	%REC	1	06/02/2011 16:20	68636
Surr: Phenol-d5		8.95-38.5		22.3	%REC	1	06/02/2011 16:20	68636
Surr: p-Terphenyl-d14		6.05-133		97.9	%REC	1	06/02/2011 16:20	68636
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/01/2011 18:22	68658

Client: PSC Industrial Outsourcing, LP**Work Order:** 11060059**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 09-Jun-11**Lab ID:** 11060059-001**Client Sample ID:** 30984T060111**Matrix:** AQUEOUS**Collection Date:** 06/01/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/01/2011 18:22	68658
Toluene	NELAP	5.0		ND	µg/L	1	06/01/2011 18:22	68658
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/01/2011 18:22	68658
Surr: 1,2-Dichloroethane-d4		74.7-129		112.3	%REC	1	06/01/2011 18:22	68658
Surr: 4-Bromofluorobenzene		86-119		102.1	%REC	1	06/01/2011 18:22	68658
Surr: Dibromofluoromethane		81.7-123		107.9	%REC	1	06/01/2011 18:22	68658
Surr: Toluene-d8		84.3-114		92.3	%REC	1	06/01/2011 18:22	68658

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-002

Client Sample ID: P9-E3-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		12.6	%	1	06/01/2011 17:30	R150188
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		87.4	%	1	06/01/2011 17:30	R150164
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.572		< 0.572	mg/Kg-dry	1	06/03/2011 8:09	R150214
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.57		< 0.57	mg/Kg-dry	1	06/03/2011 8:09	R150214
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		6.86	mg/Kg-dry	1	06/03/2011 9:04	68639
Barium	NELAP	0.48		16.9	mg/Kg-dry	1	06/03/2011 9:04	68639
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	06/03/2011 9:04	68639
Chromium	NELAP	0.96		16.7	mg/Kg-dry	1	06/03/2011 9:04	68639
Lead	NELAP	3.85		11.7	mg/Kg-dry	1	06/03/2011 9:04	68639
Silver	NELAP	0.53		< 0.53	mg/Kg-dry	1	06/03/2011 9:04	68639
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.566		< 0.566	mg/Kg-dry	1	06/03/2011 10:54	68651
SW-846 7471A								
Mercury	NELAP	0.011	J	0.006	mg/Kg-dry	1	06/02/2011 0:00	68645
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.72		15.2	mg/Kg-dry	1	06/03/2011 11:20	68672
Kerosene	NELAP	5.72		ND	mg/Kg-dry	1	06/03/2011 11:20	68672
Mineral Spirits	NELAP	5.72		ND	mg/Kg-dry	1	06/03/2011 11:20	68672
Motor Oil	NELAP	5.72	#	8.28	mg/Kg-dry	1	06/03/2011 11:20	68672
Surr: n-Tetracontane		50.6-140		107.7	%REC	1	06/03/2011 11:20	68672
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Bis(2-ethylhexyl)phthalate	NELAP	0.077		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Naphthalene	NELAP	0.004		0.008	mg/Kg-dry	1	06/03/2011 20:16	68634
Phenanthrene	NELAP	0.004		0.005	mg/Kg-dry	1	06/03/2011 20:16	68634
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:16	68634
Surr: 2-Fluorobiphenyl		10-131		74.4	%REC	1	06/03/2011 20:16	68634
Surr: Nitrobenzene-d5		10-132		77.7	%REC	1	06/03/2011 20:16	68634
Surr: p-Terphenyl-d14		80.2-138		87.1	%REC	1	06/03/2011 20:16	68634

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-002

Client Sample ID: P9-E3-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
1,2-Dichlorobenzene	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
1,3-Dichlorobenzene	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
1,4-Dichlorobenzene	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,4,5-Trichlorophenol	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,4,6-Trichlorophenol	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,4-Dichlorophenol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,4-Dimethylphenol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,4-Dinitrophenol	NELAP	1.14		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,4-Dinitrotoluene	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2,6-Dinitrotoluene	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2-Chloronaphthalene	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2-Chlorophenol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2-Methoxy-4-methylphenol		0.744		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2-Methylnaphthalene	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2-Nitroaniline	NELAP	1.14		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
2-Nitrophenol	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
3,3'-Dichlorobenzidine	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
3-Nitroaniline	NELAP	1.14		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4,6-Dinitro-2-methylphenol	NELAP	1.14		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4-Bromophenyl phenyl ether	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4-Chloro-3-methylphenol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4-Chloroaniline	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4-Chlorophenyl phenyl ether	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4-Nitroaniline	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
4-Nitrophenol	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Aniline	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Azobenzene		0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Benzidine	NELAP	1.21		see note	mg/Kg-dry	1	06/02/2011 12:13	68613
Benzoic acid	NELAP	1.72		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Benzyl alcohol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Bis(2-chloroethoxy)methane	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Bis(2-chloroethyl)ether	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Bis(2-chloroisopropyl)ether	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Butyl benzyl phthalate	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Carbazole		0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Dibenzofuran	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Diethyl phthalate	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Dimethyl phthalate	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Di-n-butyl phthalate	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Di-n-octyl phthalate	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Hexachlorobenzene	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Hexachlorobutadiene	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Hexachlorocyclopentadiene	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Hexachloroethane	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Isophorone	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
m,p-Cresol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-002

Client Sample ID: P9-E3-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Nitrobenzene	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
N-Nitrosodimethylamine	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
N-Nitroso-di-n-propylamine	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
N-Nitrosodiphenylamine	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
o-Cresol	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Pentachlorophenol	NELAP	2.29		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Phenol	NELAP	0.400		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Pyridine	NELAP	0.572		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
1,2-Diphenylhydrazine		0.961		ND	mg/Kg-dry	1	06/02/2011 12:13	68613
Surr: 2,4,6-Tribromophenol		32.7-130		83.7	%REC	1	06/02/2011 12:13	68613
Surr: 2-Fluorobiphenyl		34.1-116		87.6	%REC	1	06/02/2011 12:13	68613
Surr: 2-Fluorophenol		30.5-99		80.0	%REC	1	06/02/2011 12:13	68613
Surr: Nitrobenzene-d5		34.1-101		89.1	%REC	1	06/02/2011 12:13	68613
Surr: Phenol-d5		34.9-110		82.6	%REC	1	06/02/2011 12:13	68613
Surr: p-Terphenyl-d14		41.7-124		101.1	%REC	1	06/02/2011 12:13	68613
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
<i>Marginal Exceedance for 4-Nitrophenol, LCS is verified per NELAC Appendix D 1.1.2</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1,1-Trichloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1,2,2-Tetrachloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1,2-Trichloro-1,2,2-trifluoroethane		76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1,2-Trichloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1-Dichloro-2-propanone		760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1-Dichloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1-Dichloroethene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,1-Dichloropropene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2,3-Trichlorobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2,3-Trichloropropane	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2,3-Trimethylbenzene		76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2,4-Trichlorobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2,4-Trimethylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2-Dibromo-3-chloropropane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2-Dibromoethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2-Dichlorobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2-Dichloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,2-Dichloropropane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,3,5-Trimethylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,3-Dichlorobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,3-Dichloropropane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1,4-Dichlorobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
1-Chlorobutane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
2,2-Dichloropropane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
2-Butanone	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
2-Chlorotoluene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
2-Hexanone	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
2-Nitropropane	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-002

Client Sample ID: P9-E3-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
4-Chlorotoluene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
4-Methyl-2-pentanone	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Acetone	NELAP	760	J	540	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Acetonitrile	NELAP	1520		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Acrolein	NELAP	1520		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Acrylonitrile	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Allyl chloride	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Benzene	NELAP	15.2		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Bromobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Bromochloromethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Bromodichloromethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Bromoform	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Bromomethane	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Carbon disulfide	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Carbon tetrachloride	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Chlorobenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Chloroethane	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Chloroform	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Chloromethane	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
cis-1,2-Dichloroethene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
cis-1,3-Dichloropropene	NELAP	60.8		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Cyclohexanone		1520		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Dibromochloromethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Dibromomethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Dichlorodifluoromethane	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Ethyl acetate	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Ethyl ether	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Ethyl methacrylate	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Ethylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Gasoline Range Organics (OA-1)		15200		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Heptane		304		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Hexachlorobutadiene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Hexachloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Iodomethane	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Isopropylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
m,p-Xylenes	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Methacrylonitrile	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Methyl Methacrylate	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Methyl tert-butyl ether	NELAP	30.4		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Methylacrylate		152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Methylene chloride	NELAP	76.0	J	74	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Naphthalene	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
n-Butylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
n-Hexane		304		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Nitrobenzene	NELAP	1520		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
n-Propylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
o-Xylene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-002

Client Sample ID: P9-E3-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Pentachloroethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
p-Isopropyltoluene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Propionitrile	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
sec-Butylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Styrene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
tert-Butylbenzene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Tetrachloroethene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Tetrahydrofuran	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Toluene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
trans-1,2-Dichloroethene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
trans-1,3-Dichloropropene	NELAP	60.8		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
trans-1,4-Dichloro-2-butene	NELAP	152		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Trichloroethene	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Trichlorofluoromethane	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Vinyl acetate	NELAP	760		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Vinyl chloride	NELAP	30.4		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Xylenes, Total	NELAP	76.0		ND	µg/Kg-dry	12.5	06/02/2011 17:43	68676
Surr: 1,2-Dichloroethane-d4		72.2-131		101.1	%REC	12.5	06/02/2011 17:43	68676
Surr: 4-Bromofluorobenzene		82.1-116		100.1	%REC	12.5	06/02/2011 17:43	68676
Surr: Dibromofluoromethane		77.7-120		99.2	%REC	12.5	06/02/2011 17:43	68676
Surr: Toluene-d8		86-116		101.1	%REC	12.5	06/02/2011 17:43	68676

Marginal Exceedance for methylene chloride in LCS/LCSD is verified per NELAC Appendix D 1.1.2

Elevated reporting limit due to matrix interference.

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-003

Client Sample ID: P9-E3-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		10.1	%	1	06/01/2011 17:30	R150188
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.9	%	1	06/01/2011 17:30	R150164
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.601		Interference	mg/Kg-dry	1	06/02/2011 8:12	R150214
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.56		< 0.56	mg/Kg-dry	1	06/02/2011 8:12	R150214
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.31		6.38	mg/Kg-dry	1	06/03/2011 9:20	68639
Barium	NELAP	0.46		19.4	mg/Kg-dry	1	06/03/2011 9:20	68639
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	06/03/2011 9:20	68639
Chromium	NELAP	0.93		16.8	mg/Kg-dry	1	06/03/2011 9:20	68639
Lead	NELAP	3.70		10.9	mg/Kg-dry	1	06/03/2011 9:20	68639
Silver	NELAP	0.51		< 0.51	mg/Kg-dry	1	06/03/2011 9:20	68639
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.566		< 0.566	mg/Kg-dry	1	06/03/2011 10:57	68651
SW-846 7471A								
Mercury	NELAP	0.011	J	0.006	mg/Kg-dry	1	06/02/2011 0:00	68645
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.56	#	7.09	mg/Kg-dry	1	06/03/2011 11:37	68672
Kerosene	NELAP	5.56		ND	mg/Kg-dry	1	06/03/2011 11:37	68672
Mineral Spirits	NELAP	5.56		ND	mg/Kg-dry	1	06/03/2011 11:37	68672
Motor Oil	NELAP	5.56		ND	mg/Kg-dry	1	06/03/2011 11:37	68672
Surr: n-Tetracontane		50.6-140		101.2	%REC	1	06/03/2011 11:37	68672
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Bis(2-ethylhexyl)phthalate	NELAP	0.074		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Naphthalene	NELAP	0.004		0.006	mg/Kg-dry	1	06/03/2011 20:52	68634
Phenanthrene	NELAP	0.004		0.005	mg/Kg-dry	1	06/03/2011 20:52	68634
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 20:52	68634
Surr: 2-Fluorobiphenyl		10-131		77.2	%REC	1	06/03/2011 20:52	68634
Surr: Nitrobenzene-d5		10-132		80.8	%REC	1	06/03/2011 20:52	68634
Surr: p-Terphenyl-d14		80.2-138		86.6	%REC	1	06/03/2011 20:52	68634

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-003

Client Sample ID: P9-E3-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
1,2-Dichlorobenzene	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
1,3-Dichlorobenzene	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
1,4-Dichlorobenzene	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,4,5-Trichlorophenol	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,4,6-Trichlorophenol	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,4-Dichlorophenol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,4-Dimethylphenol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,4-Dinitrophenol	NELAP	1.11		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,4-Dinitrotoluene	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2,6-Dinitrotoluene	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2-Chloronaphthalene	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2-Chlorophenol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2-Methoxy-4-methylphenol		0.720		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2-Methylnaphthalene	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
2-Nitrophenol	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
3,3'-Dichlorobenzidine	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
3-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4,6-Dinitro-2-methylphenol	NELAP	1.11		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4-Bromophenyl phenyl ether	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4-Chloro-3-methylphenol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4-Chloroaniline	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4-Chlorophenyl phenyl ether	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4-Nitroaniline	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
4-Nitrophenol	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Aniline	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Azobenzene		0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Benzidine	NELAP	1.17		see note	mg/Kg-dry	1	06/02/2011 13:48	68613
Benzoic acid	NELAP	1.66		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Benzyl alcohol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Bis(2-chloroethoxy)methane	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Bis(2-chloroethyl)ether	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Bis(2-chloroisopropyl)ether	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Butyl benzyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Carbazole		0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Dibenzofuran	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Diethyl phthalate	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Dimethyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Di-n-butyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Di-n-octyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Hexachlorobenzene	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Hexachlorobutadiene	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Hexachlorocyclopentadiene	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Hexachloroethane	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Isophorone	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
m,p-Cresol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-003

Client Sample ID: P9-E3-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Nitrobenzene	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
N-Nitrosodimethylamine	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
N-Nitroso-di-n-propylamine	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
N-Nitrosodiphenylamine	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
o-Cresol	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Pentachlorophenol	NELAP	2.21		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Phenol	NELAP	0.388		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Pyridine	NELAP	0.554		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
1,2-Diphenylhydrazine		0.930		ND	mg/Kg-dry	1	06/02/2011 13:48	68613
Surr: 2,4,6-Tribromophenol		32.7-130		79.0	%REC	1	06/02/2011 13:48	68613
Surr: 2-Fluorobiphenyl		34.1-116		76.8	%REC	1	06/02/2011 13:48	68613
Surr: 2-Fluorophenol		30.5-99		72.2	%REC	1	06/02/2011 13:48	68613
Surr: Nitrobenzene-d5		34.1-101		78.3	%REC	1	06/02/2011 13:48	68613
Surr: Phenol-d5		34.9-110		74.8	%REC	1	06/02/2011 13:48	68613
Surr: p-Terphenyl-d14		41.7-124		87.8	%REC	1	06/02/2011 13:48	68613

Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.

Marginal Exceedance for 4-Nitrophenol, LCS is verified per NELAC Appendix D 1.1.2

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

1,1,1,2-Tetrachloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1,1-Trichloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1,2,2-Tetrachloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1,2-Trichloro-1,2,2-trifluoroethane		3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1,2-Trichloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1-Dichloro-2-propanone		37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1-Dichloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1-Dichloroethene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,1-Dichloropropene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2,3-Trichlorobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2,3-Trichloropropane	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2,3-Trimethylbenzene		3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2,4-Trichlorobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2,4-Trimethylbenzene	NELAP	3.71	J	2.0	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2-Dibromo-3-chloropropane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2-Dibromoethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2-Dichlorobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2-Dichloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,2-Dichloropropane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,3,5-Trimethylbenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,3-Dichlorobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,3-Dichloropropane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1,4-Dichlorobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
1-Chlorobutane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
2,2-Dichloropropane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
2-Butanone	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
2-Chlorotoluene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
2-Hexanone	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
2-Nitropropane	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-003

Client Sample ID: P9-E3-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
4-Chlorotoluene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
4-Methyl-2-pentanone	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Acetone	NELAP	37.1	J	26	µg/Kg-dry	1	06/02/2011 16:18	68676
Acetonitrile	NELAP	74.3		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Acrolein	NELAP	74.3		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Acrylonitrile	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Allyl chloride	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Benzene	NELAP	0.743		1.05	µg/Kg-dry	1	06/02/2011 16:18	68676
Bromobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Bromochloromethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Bromodichloromethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Bromoform	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Bromomethane	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Carbon disulfide	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Carbon tetrachloride	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Chlorobenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Chloroethane	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Chloroform	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Chloromethane	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
cis-1,2-Dichloroethene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
cis-1,3-Dichloropropene	NELAP	2.97		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Cyclohexanone		74.3		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Dibromochloromethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Dibromomethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Dichlorodifluoromethane	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Ethyl acetate	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Ethyl ether	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Ethyl methacrylate	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Ethylbenzene	NELAP	3.71	J	0.78	µg/Kg-dry	1	06/02/2011 16:18	68676
Gasoline Range Organics (OA-1)		743		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Heptane		14.9		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Hexachlorobutadiene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Hexachloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Iodomethane	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Isopropylbenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
m,p-Xylenes	NELAP	3.71	J	2.1	µg/Kg-dry	1	06/02/2011 16:18	68676
Methacrylonitrile	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Methyl Methacrylate	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Methyl tert-butyl ether	NELAP	1.49		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Methylacrylate		7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Methylene chloride	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Naphthalene	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
n-Butylbenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
n-Hexane		14.9	J	1.6	µg/Kg-dry	1	06/02/2011 16:18	68676
Nitrobenzene	NELAP	74.3		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
n-Propylbenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
o-Xylene	NELAP	3.71	J	0.80	µg/Kg-dry	1	06/02/2011 16:18	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-003

Client Sample ID: P9-E3-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Pentachloroethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
p-Isopropyltoluene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Propionitrile	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
sec-Butylbenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Styrene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
tert-Butylbenzene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Tetrachloroethene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Tetrahydrofuran	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Toluene	NELAP	3.71	J	1.8	µg/Kg-dry	1	06/02/2011 16:18	68676
trans-1,2-Dichloroethene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
trans-1,3-Dichloropropene	NELAP	2.97		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
trans-1,4-Dichloro-2-butene	NELAP	7.43		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Trichloroethene	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Trichlorofluoromethane	NELAP	3.71		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Vinyl acetate	NELAP	37.1		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Vinyl chloride	NELAP	1.49		ND	µg/Kg-dry	1	06/02/2011 16:18	68676
Xylenes, Total	NELAP	3.71	J	2.9	µg/Kg-dry	1	06/02/2011 16:18	68676
Surr: 1,2-Dichloroethane-d4		72.2-131		110.8	%REC	1	06/02/2011 16:18	68676
Surr: 4-Bromofluorobenzene		82.1-116		90.2	%REC	1	06/02/2011 16:18	68676
Surr: Dibromofluoromethane		77.7-120		111.7	%REC	1	06/02/2011 16:18	68676
Surr: Toluene-d8		86-116	S	116.5	%REC	1	06/02/2011 16:18	68676

Surrogate recovery was outside QC limits due to matrix interference.

Marginal Exceedance for methylene chloride in LCS/LCSD is verified per NELAC Appendix D 1.1.2

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-004

Client Sample ID: P9-DE1.5-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		10.8	%	1	06/01/2011 17:30	R150188
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.2	%	1	06/01/2011 17:30	R150164
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.628		Interference	mg/Kg-dry	1	06/02/2011 8:12	R150214
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.56	J	0.30	mg/Kg-dry	1	06/02/2011 8:12	R150214
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.31		6.28	mg/Kg-dry	1	06/03/2011 9:26	68639
Barium	NELAP	0.46		18.3	mg/Kg-dry	1	06/03/2011 9:26	68639
Cadmium	NELAP	0.19	J	0.11	mg/Kg-dry	1	06/03/2011 9:26	68639
Chromium	NELAP	0.93		18.6	mg/Kg-dry	1	06/03/2011 9:26	68639
Lead	NELAP	3.70		10.7	mg/Kg-dry	1	06/03/2011 9:26	68639
Silver	NELAP	0.51		0.65	mg/Kg-dry	1	06/03/2011 9:26	68639
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.588		< 0.588	mg/Kg-dry	1	06/03/2011 11:01	68651
SW-846 7471A								
Mercury	NELAP	0.010	J	0.007	mg/Kg-dry	1	06/02/2011 0:00	68645
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.61	#	16.8	mg/Kg-dry	1	06/03/2011 11:55	68672
Kerosene	NELAP	5.61		ND	mg/Kg-dry	1	06/03/2011 11:55	68672
Mineral Spirits	NELAP	5.61		ND	mg/Kg-dry	1	06/03/2011 11:55	68672
Motor Oil	NELAP	5.61		ND	mg/Kg-dry	1	06/03/2011 11:55	68672
Surr: n-Tetracontane		50.6-140		105.5	%REC	1	06/03/2011 11:55	68672
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004	J	0.003	mg/Kg-dry	1	06/03/2011 22:39	68634
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 22:39	68634
Anthracene	NELAP	0.004	J	0.003	mg/Kg-dry	1	06/03/2011 22:39	68634
Benzo(a)anthracene	NELAP	0.004		0.005	mg/Kg-dry	1	06/03/2011 22:39	68634
Benzo(a)pyrene	NELAP	0.004	J	0.004	mg/Kg-dry	1	06/03/2011 22:39	68634
Benzo(b)fluoranthene	NELAP	0.004	J	0.004	mg/Kg-dry	1	06/03/2011 22:39	68634
Benzo(g,h,i)perylene	NELAP	0.004		0.006	mg/Kg-dry	1	06/03/2011 22:39	68634
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 22:39	68634
Bis(2-ethylhexyl)phthalate	NELAP	0.075		ND	mg/Kg-dry	1	06/03/2011 22:39	68634
Chrysene	NELAP	0.004	J	0.004	mg/Kg-dry	1	06/03/2011 22:39	68634
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 22:39	68634
Fluoranthene	NELAP	0.004		0.005	mg/Kg-dry	1	06/03/2011 22:39	68634
Fluorene	NELAP	0.004		0.005	mg/Kg-dry	1	06/03/2011 22:39	68634
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 22:39	68634
Naphthalene	NELAP	0.004		1.28	mg/Kg-dry	1	06/03/2011 22:39	68634
Phenanthrene	NELAP	0.004		0.016	mg/Kg-dry	1	06/03/2011 22:39	68634
Pyrene	NELAP	0.004		0.007	mg/Kg-dry	1	06/03/2011 22:39	68634
Surr: 2-Fluorobiphenyl		10-131		71.8	%REC	1	06/03/2011 22:39	68634
Surr: Nitrobenzene-d5		10-132		74.9	%REC	1	06/03/2011 22:39	68634
Surr: p-Terphenyl-d14		80.2-138		80.6	%REC	1	06/03/2011 22:39	68634

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-004

Client Sample ID: P9-DE1.5-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
1,2-Dichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
1,3-Dichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
1,4-Dichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,4,5-Trichlorophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,4,6-Trichlorophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,4-Dichlorophenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,4-Dimethylphenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,4-Dinitrophenol	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,4-Dinitrotoluene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2,6-Dinitrotoluene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2-Chloronaphthalene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2-Chlorophenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2-Methoxy-4-methylphenol		0.727		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2-Methylnaphthalene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2-Nitroaniline	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
2-Nitrophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
3,3'-Dichlorobenzidine	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
3-Nitroaniline	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4,6-Dinitro-2-methylphenol	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4-Bromophenyl phenyl ether	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4-Chloro-3-methylphenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4-Chloroaniline	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4-Chlorophenyl phenyl ether	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4-Nitroaniline	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
4-Nitrophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Aniline	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Azobenzene		0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Benzidine	NELAP	1.18		see note	mg/Kg-dry	1	06/02/2011 14:20	68613
Benzoic acid	NELAP	1.68		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Benzyl alcohol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Bis(2-chloroethoxy)methane	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Bis(2-chloroethyl)ether	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Bis(2-chloroisopropyl)ether	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Butyl benzyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Carbazole		0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Dibenzofuran	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Diethyl phthalate	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Dimethyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Di-n-butyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Di-n-octyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Hexachlorobenzene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Hexachlorobutadiene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Hexachlorocyclopentadiene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Hexachloroethane	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Isophorone	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
m,p-Cresol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-004

Client Sample ID: P9-DE1.5-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Nitrobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
N-Nitrosodimethylamine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
N-Nitroso-di-n-propylamine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
N-Nitrosodiphenylamine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
o-Cresol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Pentachlorophenol	NELAP	2.24		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Phenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Pyridine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
1,2-Diphenylhydrazine		0.939		ND	mg/Kg-dry	1	06/02/2011 14:20	68613
Surr: 2,4,6-Tribromophenol		32.7-130		80.6	%REC	1	06/02/2011 14:20	68613
Surr: 2-Fluorobiphenyl		34.1-116		77.6	%REC	1	06/02/2011 14:20	68613
Surr: 2-Fluorophenol		30.5-99		72.1	%REC	1	06/02/2011 14:20	68613
Surr: Nitrobenzene-d5		34.1-101		80.4	%REC	1	06/02/2011 14:20	68613
Surr: Phenol-d5		34.9-110		77.4	%REC	1	06/02/2011 14:20	68613
Surr: p-Terphenyl-d14		41.7-124		91.9	%REC	1	06/02/2011 14:20	68613
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
<i>Marginal Exceedance for 4-Nitrophenol, LCS is verified per NELAC Appendix D 1.1.2</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1,1-Trichloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1,2,2-Tetrachloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1,2-Trichloro-1,2,2-trifluoroethane		371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1,2-Trichloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1-Dichloro-2-propanone		3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1-Dichloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1-Dichloroethene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,1-Dichloropropene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2,3-Trichlorobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2,3-Trichloropropane	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2,3-Trimethylbenzene		371	J	330	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2,4-Trichlorobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2,4-Trimethylbenzene	NELAP	371		434	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2-Dibromo-3-chloropropane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2-Dibromoethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2-Dichlorobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2-Dichloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,2-Dichloropropane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,3,5-Trimethylbenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,3-Dichlorobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,3-Dichloropropane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1,4-Dichlorobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
1-Chlorobutane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
2,2-Dichloropropane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
2-Butanone	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
2-Chlorotoluene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
2-Hexanone	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
2-Nitropropane	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-004

Client Sample ID: P9-DE1.5-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
4-Chlorotoluene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
4-Methyl-2-pentanone	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Acetone	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Acetonitrile	NELAP	7430		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Acrolein	NELAP	7430		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Acrylonitrile	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Allyl chloride	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Benzene	NELAP	74.3		7520	µg/Kg-dry	50	06/02/2011 16:46	68676
Bromobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Bromochloromethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Bromodichloromethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Bromoform	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Bromomethane	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Carbon disulfide	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Carbon tetrachloride	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Chlorobenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Chloroethane	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Chloroform	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Chloromethane	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
cis-1,2-Dichloroethene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
cis-1,3-Dichloropropene	NELAP	297		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Cyclohexanone		7430		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Dibromochloromethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Dibromomethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Dichlorodifluoromethane	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Ethyl acetate	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Ethyl ether	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Ethyl methacrylate	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Ethylbenzene	NELAP	371		10300	µg/Kg-dry	50	06/02/2011 16:46	68676
Gasoline Range Organics (OA-1)		74300		104000	µg/Kg-dry	50	06/02/2011 16:46	68676
Heptane		1490		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Hexachlorobutadiene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Hexachloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Iodomethane	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Isopropylbenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
m,p-Xylenes	NELAP	371		19500	µg/Kg-dry	50	06/02/2011 16:46	68676
Methacrylonitrile	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Methyl Methacrylate	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Methyl tert-butyl ether	NELAP	149		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Methylacrylate		743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Methylene chloride	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Naphthalene	NELAP	743		5240	µg/Kg-dry	50	06/02/2011 16:46	68676
n-Butylbenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
n-Hexane		1490		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Nitrobenzene	NELAP	7430		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
n-Propylbenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
o-Xylene	NELAP	371		11100	µg/Kg-dry	50	06/02/2011 16:46	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-004

Client Sample ID: P9-DE1.5-F (16)

Matrix: SOLID

Collection Date: 06/01/2011 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Pentachloroethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
p-Isopropyltoluene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Propionitrile	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
sec-Butylbenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Styrene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
tert-Butylbenzene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Tetrachloroethene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Tetrahydrofuran	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Toluene	NELAP	371		7400	µg/Kg-dry	50	06/02/2011 16:46	68676
trans-1,2-Dichloroethene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
trans-1,3-Dichloropropene	NELAP	297		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
trans-1,4-Dichloro-2-butene	NELAP	743		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Trichloroethene	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Trichlorofluoromethane	NELAP	371		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Vinyl acetate	NELAP	3710		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Vinyl chloride	NELAP	149		ND	µg/Kg-dry	50	06/02/2011 16:46	68676
Xylenes, Total	NELAP	371		30600	µg/Kg-dry	50	06/02/2011 16:46	68676
Surr: 1,2-Dichloroethane-d4		72.2-131		103.6	%REC	50	06/02/2011 16:46	68676
Surr: 4-Bromofluorobenzene		82.1-116		115.0	%REC	50	06/02/2011 16:46	68676
Surr: Dibromofluoromethane		77.7-120		102.4	%REC	50	06/02/2011 16:46	68676
Surr: Toluene-d8		86-116		93.1	%REC	50	06/02/2011 16:46	68676

Marginal Exceedance for methylene chloride in LCS/LCSD is verified per NELAC Appendix D 1.1.2

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-005

Client Sample ID: P9-DE1.5-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		10.6	%	1	06/01/2011 17:30	R150188
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.4	%	1	06/01/2011 17:30	R150164
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.559		< 0.559	mg/Kg-dry	1	06/02/2011 8:12	R150214
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.56	J	0.36	mg/Kg-dry	1	06/02/2011 8:12	R150214
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.45		6.01	mg/Kg-dry	1	06/03/2011 9:31	68639
Barium	NELAP	0.49		18.1	mg/Kg-dry	1	06/03/2011 9:31	68639
Cadmium	NELAP	0.20	J	0.11	mg/Kg-dry	1	06/03/2011 9:31	68639
Chromium	NELAP	0.98		17.6	mg/Kg-dry	1	06/03/2011 9:31	68639
Lead	NELAP	3.92		11.6	mg/Kg-dry	1	06/03/2011 9:31	68639
Silver	NELAP	0.54		0.59	mg/Kg-dry	1	06/03/2011 9:31	68639
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.600		< 0.600	mg/Kg-dry	1	06/03/2011 11:11	68651
SW-846 7471A								
Mercury	NELAP	0.011	J	0.006	mg/Kg-dry	1	06/02/2011 0:00	68645
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.58	#	6.15	mg/Kg-dry	1	06/03/2011 12:48	68672
Kerosene	NELAP	5.58		ND	mg/Kg-dry	1	06/03/2011 12:48	68672
Mineral Spirits	NELAP	5.58		ND	mg/Kg-dry	1	06/03/2011 12:48	68672
Motor Oil	NELAP	5.58		ND	mg/Kg-dry	1	06/03/2011 12:48	68672
Surr: n-Tetracontane		50.6-140		100.6	%REC	1	06/03/2011 12:48	68672
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Bis(2-ethylhexyl)phthalate	NELAP	0.075		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Naphthalene	NELAP	0.004		0.022	mg/Kg-dry	1	06/03/2011 23:15	68634
Phenanthrene	NELAP	0.004		0.006	mg/Kg-dry	1	06/03/2011 23:15	68634
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/03/2011 23:15	68634
Surr: 2-Fluorobiphenyl		10-131		70.5	%REC	1	06/03/2011 23:15	68634
Surr: Nitrobenzene-d5		10-132		75.2	%REC	1	06/03/2011 23:15	68634
Surr: p-Terphenyl-d14		80.2-138		82.3	%REC	1	06/03/2011 23:15	68634

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-005

Client Sample ID: P9-DE1.5-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
1,2-Dichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
1,3-Dichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
1,4-Dichlorobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,4,5-Trichlorophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,4,6-Trichlorophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,4-Dichlorophenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,4-Dimethylphenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,4-Dinitrophenol	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,4-Dinitrotoluene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2,6-Dinitrotoluene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2-Chloronaphthalene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2-Chlorophenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2-Methoxy-4-methylphenol		0.727		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2-Methylnaphthalene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2-Nitroaniline	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
2-Nitrophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
3,3'-Dichlorobenzidine	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
3-Nitroaniline	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4,6-Dinitro-2-methylphenol	NELAP	1.12		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4-Bromophenyl phenyl ether	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4-Chloro-3-methylphenol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4-Chloroaniline	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4-Chlorophenyl phenyl ether	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4-Nitroaniline	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
4-Nitrophenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Aniline	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Azobenzene		0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Benzidine	NELAP	1.18		see note	mg/Kg-dry	1	06/02/2011 14:52	68613
Benzoic acid	NELAP	1.68		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Benzyl alcohol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Bis(2-chloroethoxy)methane	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Bis(2-chloroethyl)ether	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Bis(2-chloroisopropyl)ether	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Butyl benzyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Carbazole		0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Dibenzofuran	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Diethyl phthalate	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Dimethyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Di-n-butyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Di-n-octyl phthalate	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Hexachlorobenzene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Hexachlorobutadiene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Hexachlorocyclopentadiene	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Hexachloroethane	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Isophorone	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
m,p-Cresol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-005

Client Sample ID: P9-DE1.5-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Nitrobenzene	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
N-Nitrosodimethylamine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
N-Nitroso-di-n-propylamine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
N-Nitrosodiphenylamine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
o-Cresol	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Pentachlorophenol	NELAP	2.24		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Phenol	NELAP	0.391		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Pyridine	NELAP	0.559		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
1,2-Diphenylhydrazine		0.939		ND	mg/Kg-dry	1	06/02/2011 14:52	68613
Surr: 2,4,6-Tribromophenol		32.7-130		79.9	%REC	1	06/02/2011 14:52	68613
Surr: 2-Fluorobiphenyl		34.1-116		76.0	%REC	1	06/02/2011 14:52	68613
Surr: 2-Fluorophenol		30.5-99		71.7	%REC	1	06/02/2011 14:52	68613
Surr: Nitrobenzene-d5		34.1-101		77.1	%REC	1	06/02/2011 14:52	68613
Surr: Phenol-d5		34.9-110		76.3	%REC	1	06/02/2011 14:52	68613
Surr: p-Terphenyl-d14		41.7-124		88.5	%REC	1	06/02/2011 14:52	68613
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
<i>Marginal Exceedance for 4-Nitrophenol, LCS is verified per NELAC Appendix D 1.1.2</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1,1-Trichloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1,2,2-Tetrachloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1,2-Trichloro-1,2,2-trifluoroethane		362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1,2-Trichloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1-Dichloro-2-propanone		3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1-Dichloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1-Dichloroethene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,1-Dichloropropene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2,3-Trichlorobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2,3-Trichloropropane	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2,3-Trimethylbenzene		362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2,4-Trichlorobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2,4-Trimethylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2-Dibromo-3-chloropropane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2-Dibromoethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2-Dichlorobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2-Dichloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,2-Dichloropropane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,3,5-Trimethylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,3-Dichlorobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,3-Dichloropropane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1,4-Dichlorobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
1-Chlorobutane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
2,2-Dichloropropane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
2-Butanone	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
2-Chlorotoluene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
2-Hexanone	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
2-Nitropropane	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-005

Client Sample ID: P9-DE1.5-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
4-Chlorotoluene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
4-Methyl-2-pentanone	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Acetone	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Acetonitrile	NELAP	7230		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Acrolein	NELAP	7230		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Acrylonitrile	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Allyl chloride	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Benzene	NELAP	72.3		1620	µg/Kg-dry	50	06/02/2011 17:15	68676
Bromobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Bromochloromethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Bromodichloromethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Bromoform	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Bromomethane	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Carbon disulfide	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Carbon tetrachloride	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Chlorobenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Chloroethane	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Chloroform	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Chloromethane	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
cis-1,2-Dichloroethene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
cis-1,3-Dichloropropene	NELAP	289		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Cyclohexanone		7230		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Dibromochloromethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Dibromomethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Dichlorodifluoromethane	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Ethyl acetate	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Ethyl ether	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Ethyl methacrylate	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Ethylbenzene	NELAP	362		412	µg/Kg-dry	50	06/02/2011 17:15	68676
Gasoline Range Organics (OA-1)		72300		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Heptane		1450		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Hexachlorobutadiene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Hexachloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Iodomethane	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Isopropylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
m,p-Xylenes	NELAP	362		946	µg/Kg-dry	50	06/02/2011 17:15	68676
Methacrylonitrile	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Methyl Methacrylate	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Methyl tert-butyl ether	NELAP	145		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Methylacrylate		723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Methylene chloride	NELAP	362	J	320	µg/Kg-dry	50	06/02/2011 17:15	68676
Naphthalene	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
n-Butylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
n-Hexane		1450		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Nitrobenzene	NELAP	7230		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
n-Propylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
o-Xylene	NELAP	362		724	µg/Kg-dry	50	06/02/2011 17:15	68676

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab ID: 11060059-005

Client Sample ID: P9-DE1.5-F (18)

Matrix: SOLID

Collection Date: 06/01/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Pentachloroethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
p-Isopropyltoluene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Propionitrile	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
sec-Butylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Styrene	NELAP	362	J	190	µg/Kg-dry	50	06/02/2011 17:15	68676
tert-Butylbenzene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Tetrachloroethene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Tetrahydrofuran	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Toluene	NELAP	362		10000	µg/Kg-dry	50	06/02/2011 17:15	68676
trans-1,2-Dichloroethene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
trans-1,3-Dichloropropene	NELAP	289		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
trans-1,4-Dichloro-2-butene	NELAP	723		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Trichloroethene	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Trichlorofluoromethane	NELAP	362		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Vinyl acetate	NELAP	3620		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Vinyl chloride	NELAP	145		ND	µg/Kg-dry	50	06/02/2011 17:15	68676
Xylenes, Total	NELAP	362		1670	µg/Kg-dry	50	06/02/2011 17:15	68676
Surr: 1,2-Dichloroethane-d4		72.2-131		104.7	%REC	50	06/02/2011 17:15	68676
Surr: 4-Bromofluorobenzene		82.1-116		112.7	%REC	50	06/02/2011 17:15	68676
Surr: Dibromofluoromethane		77.7-120		104.9	%REC	50	06/02/2011 17:15	68676
Surr: Toluene-d8		86-116		95.8	%REC	50	06/02/2011 17:15	68676

Marginal Exceedance for methylene chloride in LCS/LCSD is verified per NELAC Appendix D 1.1.2

Elevated reporting limit due to high levels of target and/or non-target analytes.



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060059-001	30984T060111	Aqueous	5	06/01/2011 9:30
11060059-002	P9-E3-F (16)	Solid	5	06/01/2011 12:30
11060059-003	P9-E3-F (18)	Solid	5	06/01/2011 12:40
11060059-004	P9-DE1.5-F (16)	Solid	5	06/01/2011 12:50
11060059-005	P9-DE1.5-F (18)	Solid	5	06/01/2011 13:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060059-001A	30984T060111	06/01/2011 9:30	6/1/2011 5:07:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:50	06/02/2011 16:20
11060059-001B	30984T060111	06/01/2011 9:30	6/1/2011 5:07:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/01/2011 18:27
	Standard Methods 18th Ed. 2540 D			06/02/2011 9:00
	Standard Methods 18th Ed. 5210 B		06/02/2011 11:30	06/02/2011 11:30
11060059-001C	30984T060111	06/01/2011 9:30	6/1/2011 5:07:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/02/2011 7:47	06/02/2011 12:25
	SW-846 3020A, Metals by GFAA (Total)		06/02/2011 7:46	06/02/2011 12:15
	SW-846 7470A (Total)		06/02/2011 9:30	06/02/2011 0:00
11060059-001D	30984T060111	06/01/2011 9:30	6/1/2011 5:07:00 PM	
	SW-846 9012A			06/03/2011 8:09
	SW-846 9012A (Total)			06/03/2011 8:09
11060059-001E	30984T060111	06/01/2011 9:30	6/1/2011 5:07:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/01/2011 18:22
11060059-002A	P9-E3-F (16)	06/01/2011 12:30	6/1/2011 5:07:00 PM	
	SW-846 3050B, 6010B, Metals by ICP		06/02/2011 11:09	06/03/2011 9:04
	SW-846 3050B, Metals by GFAA		06/02/2011 11:22	06/03/2011 10:54
	SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID		06/02/2011 21:21	06/03/2011 11:20
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:17	06/03/2011 20:16
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:12	06/02/2011 12:13
	SW-846 7471A		06/02/2011 9:16	06/02/2011 0:00
11060059-002B	P9-E3-F (16)	06/01/2011 12:30	6/1/2011 5:07:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/01/2011 17:30
	Standard Methods 18th Ed. 2540 G			06/01/2011 17:30
	SW-846 9012A			06/03/2011 8:09
	SW-846 9012A (Total)			06/03/2011 8:09
11060059-002E	P9-E3-F (16)	06/01/2011 12:30	6/1/2011 5:07:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/02/2011 17:43
11060059-003A	P9-E3-F (18)	06/01/2011 12:40	6/1/2011 5:07:00 PM	
	SW-846 3050B, 6010B, Metals by ICP		06/02/2011 11:09	06/03/2011 9:20
	SW-846 3050B, Metals by GFAA		06/02/2011 11:22	06/03/2011 10:57
	SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID		06/02/2011 21:21	06/03/2011 11:37
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:17	06/03/2011 20:52
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:12	06/02/2011 13:48
	SW-846 7471A		06/02/2011 9:16	06/02/2011 0:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060059-003B	P9-E3-F (18)	06/01/2011 12:40	6/1/2011 5:07:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/01/2011 17:30
	Standard Methods 18th Ed. 2540 G			06/01/2011 17:30
	SW-846 9012A			06/02/2011 8:12
	SW-846 9012A (Total)			06/02/2011 8:12
11060059-003E	P9-E3-F (18)	06/01/2011 12:40	6/1/2011 5:07:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/02/2011 16:18
11060059-004A	P9-DE1.5-F (16)	06/01/2011 12:50	6/1/2011 5:07:00 PM	
	SW-846 3050B, 6010B, Metals by ICP		06/02/2011 11:09	06/03/2011 9:26
	SW-846 3050B, Metals by GFAA		06/02/2011 11:22	06/03/2011 11:01
	SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID		06/02/2011 21:21	06/03/2011 11:55
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:17	06/03/2011 22:39
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:12	06/02/2011 14:20
	SW-846 7471A		06/02/2011 9:16	06/02/2011 0:00
11060059-004B	P9-DE1.5-F (16)	06/01/2011 12:50	6/1/2011 5:07:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/01/2011 17:30
	Standard Methods 18th Ed. 2540 G			06/01/2011 17:30
	SW-846 9012A			06/02/2011 8:12
	SW-846 9012A (Total)			06/02/2011 8:12
11060059-004E	P9-DE1.5-F (16)	06/01/2011 12:50	6/1/2011 5:07:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/02/2011 16:46
11060059-005A	P9-DE1.5-F (18)	06/01/2011 13:00	6/1/2011 5:07:00 PM	
	SW-846 3050B, 6010B, Metals by ICP		06/02/2011 11:09	06/03/2011 9:31
	SW-846 3050B, Metals by GFAA		06/02/2011 11:22	06/03/2011 11:11
	SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID		06/02/2011 21:21	06/03/2011 12:48
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:17	06/03/2011 23:15
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/01/2011 19:12	06/02/2011 14:52
	SW-846 7471A		06/02/2011 9:16	06/02/2011 0:00
11060059-005B	P9-DE1.5-F (18)	06/01/2011 13:00	6/1/2011 5:07:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/01/2011 17:30
	Standard Methods 18th Ed. 2540 G			06/01/2011 17:30
	SW-846 9012A			06/02/2011 8:12
	SW-846 9012A (Total)			06/02/2011 8:12
11060059-005E	P9-DE1.5-F (18)	06/01/2011 13:00	6/1/2011 5:07:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/02/2011 17:15

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150183		SampType: LCS		Units							
SampID: LCS-R150183											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.8	06/01/2011	

Batch R150183		SampType: DUP		Units				RPD Limit 10			
SampID: 11060059-001BDUP											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lab pH		1.00		7.45				7.450	0.00	06/01/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150198		SampType: MBLK		Units mg/L							
SampID: MB-R150198											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						06/02/2011	

Batch R150198		SampType: LCS		Units mg/L						
SampID: LCS-R150198										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		98	100	0	98.0	85	115	06/02/2011
Total Suspended Solids		6		97	100	0	97.0	85	115	06/02/2011
Total Suspended Solids		6		98	100	0	98.0	85	115	06/02/2011

Batch R150198		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11060059-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6	J	5				5.000	0.00	06/02/2011	

STANDARD METHODS 18TH ED. 2540 G

Batch R150164		SampType: LCS		Units %							
SampID: LCS-R150164											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Solids		0.1		1.0	1.0	0	101.0	90	110	06/01/2011	

Batch R150164		SampType: LCSQC		Units %							
SampID: LCSQC-R150164											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Solids		0.1		1.0	1.0	0	101.0	90	110	06/01/2011	

Batch R150164		SampType: DUP		Units %				RPD Limit 15			
SampID: 11060059-004BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Solids		0.1		89.7				89.15	0.65	06/01/2011	

STANDARD METHODS 18TH ED. 5210 B

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

STANDARD METHODS 18TH ED. 5210 B

Batch 68666		SampType: LCS		Units mg/L						
SampID: LCS-68666										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		186	198	0	93.9	84.6	115.4	06/02/2011

Batch 68666		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11060059-001B-DUP											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		47				50.00	6.19	06/02/2011	

SW-846 9012A (TOTAL)

Batch R150214		SampType: MBLK		Units mg/L						
SampID: MB-R150214										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		< 0.007						06/03/2011	
Cyanide	0.007		< 0.007						06/02/2011	
Cyanide	0.007		< 0.007						06/03/2011	
Cyanide	0.01		< 0.01						06/02/2011	

Batch R150214		SampType: LCS		Units mg/L						
SampID: LCS-R150214										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.007	S	0.024	0.025	0	94.2	90	110	06/02/2011
Cyanide		0.008		0.029	0.025	0	114.4	90	110	06/03/2011
Cyanide		0.008		0.029	0.025	0	114.4	85	115	06/03/2011
Cyanide		0.01		0.03	0.02	0	109.2	85	115	06/02/2011

Batch R150214		SampType: MS		Units mg/L						
SampID: 11060059-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.073		0.288	0.025	0.2638	97.5	75	125	06/03/2011

Batch R150214		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11060059-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.070	S	0.263	0.025	0.2638	-2.8	0.2882	9.10	06/03/2011

Batch R150214		SampType: MS		Units mg/Kg-dry						
SampID: 11060059-002BMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.57		1.53	1.43	0	107.2	75	125	06/03/2011

Batch R150214		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		
SampID: 11060059-002BMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.57		1.43	1.43	0	99.7	1.532	7.19	06/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 9012A (TOTAL)

Batch R150214		SampType: MSD		Units mg/Kg-dry				RPD Limit 15			
SampID: 11060059-002BMSD										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68638	SampType: MBLK	Units mg/L							
SampID: MB-68638									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/02/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/02/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/02/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/02/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/02/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/02/2011

Batch	68638	SampType:	LCS	Units mg/L						
SampID: LCS-68638										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.93	2.00	0	96.4	85	115	06/02/2011
Barium		0.0050		1.96	2.00	0	98.2	85	115	06/02/2011
Cadmium		0.0020		0.0483	0.0500	0	96.6	85	115	06/02/2011
Chromium		0.0100		0.196	0.200	0	97.9	85	115	06/02/2011
Selenium		0.0500		1.88	2.00	0	94.2	85	115	06/02/2011
Silver		0.0100		0.0497	0.0500	0	99.4	85	115	06/02/2011

Batch 68638	SampType: MS	Units mg/L							
SampID: 11060059-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.93	2.00	0	96.4	75	125	06/02/2011
Barium	0.0050		2.41	2.00	0.5545	92.9	75	125	06/02/2011
Cadmium	0.0020		0.0458	0.0500	0	91.6	75	125	06/02/2011
Chromium	0.0100		0.187	0.200	0	93.6	75	125	06/02/2011
Selenium	0.0500		1.87	2.00	0	93.6	75	125	06/02/2011
Silver	0.0100		0.0487	0.0500	0	97.4	75	125	06/02/2011

Batch 68638		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11060059-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		1.91	2.00	0	95.5	1.929	0.99	06/02/2011
Barium		0.0050		2.38	2.00	0.5545	91.5	2.412	1.17	06/02/2011
Cadmium		0.0020		0.0454	0.0500	0	90.8	0.04580	0.88	06/02/2011
Chromium		0.0100		0.186	0.200	0	93.1	0.1872	0.59	06/02/2011
Selenium		0.0500		1.86	2.00	0	92.8	1.871	0.75	06/02/2011
Silver		0.0100		0.0487	0.0500	0	97.4	0.04870	0.00	06/02/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68637		SampType: MBLK		Units mg/L							
SampID: MB-68637											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/02/2011	

Batch 68637		SampType: LCS		Units mg/L						
SampID: LCS-68637										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0141	0.0150	0	94.1	80	120	06/02/2011

Batch 68637		SampType: MS		Units mg/L							
SampID: 11060059-001CMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		0.0118	0.0150	0.0006611	74.5	70	130	06/02/2011	

Batch 68637		SampType: MSD	Units mg/L					RPD Limit 20		Date Analyzed
SampID: 11060059-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0133	0.0150	0.0006611	83.9	0.01183	11.32	06/02/2011

SW-846 3050B, 6010B, METALS BY ICP

Batch 68639		SampType: MBLK		Units mg/Kg-dry							
SampID: MB-68639											Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Arsenic	2.50		< 2.50	2.50	0	0	-100	100	06/03/2011		
Arsenic	2.50		< 2.50	2.50	0	0	-100	100	06/03/2011		
Barium	0.50		< 0.50	0.50	0	0	-100	100	06/07/2011		
Barium	0.50		< 0.50	0.50	0	0	-100	100	06/03/2011		
Barium	0.50		< 0.50	0.50	0	0	-100	100	06/03/2011		
Cadmium	0.20		< 0.20	0.20	0	0	-100	100	06/03/2011		
Cadmium	0.20		< 0.20	0.20	0	0	-100	100	06/03/2011		
Chromium	1.00		< 1.00	1.00	0	0	-100	100	06/03/2011		
Chromium	1.00		< 1.00	1.00	0	0	-100	100	06/03/2011		
Lead	4.00		< 4.00	4.00	0	0	-100	100	06/03/2011		
Lead	4.00		< 4.00	4.00	0	0	-100	100	06/03/2011		
Silver	0.55		< 0.55	0.55	0	0	-100	100	06/03/2011		
Silver	0.55		< 0.55	0.55	0	0	-100	100	06/03/2011		

Batch 68639		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-68639										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		2.50		186	200	0	93.0	85	115	06/03/2011
Arsenic		2.50		198	200	0	98.9	85	115	06/03/2011
Barium		0.50		201	200	0	100.6	85	115	06/07/2011
Barium		0.50		182	200	0	91.1	85	115	06/03/2011
Barium		0.50		204	200	0	102.2	85	115	06/03/2011
Cadmium		0.20		4.77	5.00	0	95.4	85	115	06/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3050B, 6010B, METALS BY ICP
Batch 68639 **SampType:** LCS **Units mg/Kg-dry**
SampID: LCS-68639

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	0.20		5.03	5.00	0	100.6	85	115	06/03/2011
Chromium	1.00		19.6	20.0	0	97.9	85	115	06/03/2011
Chromium	1.00		21.5	20.0	0	107.6	85	115	06/03/2011
Lead	4.00		47.1	50.0	0	94.2	85	115	06/03/2011
Lead	4.00		50.8	50.0	0	101.5	85	115	06/03/2011
Silver	0.55		5.18	5.00	0	103.6	85	115	06/03/2011
Silver	0.55		4.76	5.00	0	95.2	85	115	06/03/2011

Batch 68639 **SampType:** MS **Units mg/Kg-dry**
SampID: 11060059-002AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	2.40		193	192	6.856	97.0	75	125	06/03/2011
Barium	0.48		199	192	16.90	94.6	75	125	06/03/2011
Cadmium	0.19		4.43	4.81	0	92.2	75	125	06/03/2011
Chromium	0.96		36.8	19.2	16.73	104.6	75	125	06/03/2011
Lead	3.85		55.9	48.1	11.67	92.0	75	125	06/03/2011
Silver	0.53		5.03	4.81	0	104.6	75	125	06/03/2011

Batch 68639 **SampType:** MSD **Units mg/Kg-dry**
RPD Limit 20
SampID: 11060059-002AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	2.40		191	192	6.856	95.7	193.4	1.30	06/03/2011
Barium	0.48		197	192	16.90	93.5	198.8	1.07	06/03/2011
Cadmium	0.19		4.43	4.81	0	92.2	4.433	0.00	06/03/2011
Chromium	0.96		36.6	19.2	16.73	103.4	36.84	0.60	06/03/2011
Lead	3.85		55.4	48.1	11.67	90.9	55.91	0.99	06/03/2011
Silver	0.53		5.11	4.81	0	106.2	5.029	1.52	06/03/2011

SW-846 3050B, METALS BY GFAA
Batch 68651 **SampType:** MBLK **Units mg/Kg-dry**
SampID: MB-68651

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600	< 0.600	0.600	0	0	-100	100	06/03/2011

Batch 68651 **SampType:** LCS **Units mg/Kg-dry**
SampID: LCS-68651

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600	2.90	3.00	0	96.8	80	120	06/03/2011

Batch 68651 **SampType:** MS **Units mg/Kg-dry**
SampID: 11060059-004AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.588	3.32	2.94	0	113.0	70	130	06/03/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3050B, METALS BY GFAA

Batch 68651		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 11060059-004AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium	7740	0.588		3.34	2.94	0	113.5	3.324	0.41	06/03/2011

SW-846 7470A (TOTAL)

Batch 68646		SampType: MBLK		Units mg/L						
SampID: MB-68646										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/02/2011

Batch 68646		SampType: LCS		Units mg/L						
SampID: LCS-68646										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00519	0.00500	0	103.8	85	115	06/02/2011

Batch 68646		SampType: MS		Units mg/L						
SampID: 11060059-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00503	0.00500	0	100.6	75	125	06/02/2011

Batch 68646		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11060059-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00504	0.00500	0	100.8	0.005030	0.20	06/02/2011

SW-846 7471A

Batch 68645		SampType: MBLK		Units mg/Kg						
SampID: MB-68645										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		< 0.010	0.010	0	0	-100	100	06/02/2011

Batch 68645		SampType: LCS		Units mg/Kg							
SampID: LCS-68645											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.010		0.250	0.250	0	99.8	85	115	06/02/2011	

Batch 68645		SampType: MS		Units mg/Kg-dry						
SampID: 11060059-002AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.011		0.284	0.269	0.005921	103.4	75	125	06/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 7471A

Batch 68645		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		
SampID: 11060059-002AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.011		0.283	0.269	0.005921	103.0	0.2842	0.38	06/02/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68636		SampType: MBLK		Units mg/L						
SampID: MB-68636										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						06/02/2011	
Acenaphthylene	0.00010		ND						06/02/2011	
Anthracene	0.00010		ND						06/02/2011	
Benzo(a)anthracene	0.00010		ND						06/02/2011	
Benzo(a)pyrene	0.00010		ND						06/02/2011	
Benzo(b)fluoranthene	0.00010		ND						06/02/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/02/2011	
Benzo(k)fluoranthene	0.00010		ND						06/02/2011	
Chrysene	0.00010		ND						06/02/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/02/2011	
Fluoranthene	0.00010		ND						06/02/2011	
Fluorene	0.00010		ND						06/02/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						06/02/2011	
Naphthalene	0.00010		ND						06/02/2011	
Phenanthrene	0.00010		ND						06/02/2011	
Pyrene	0.00010		ND						06/02/2011	
Total PNAs except Naphthalene	0.00013		ND						06/02/2011	
Surr: 2-Fluorobiphenyl			0.00422	0.00500		84.4	45.4	97.6	06/02/2011	
Surr: 2-Fluorophenol			0.00404	0.0100		40.5	24.9	63.7	06/02/2011	
Surr: Nitrobenzene-d5			0.00367	0.00500		73.3	45.2	108	06/02/2011	
Surr: Phenol-d5			0.00288	0.0100		28.8	15.5	39.5	06/02/2011	
Surr: p-Terphenyl-d14			0.00471	0.00500		94.3	46	127	06/02/2011	

Batch 68636		SampType: LCS		Units mg/L						
SampID: LCS-68636										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00379	0.00500	0	75.7	50.1	103	06/02/2011	
Acenaphthylene	0.00010		0.00416	0.00500	0	83.3	53.3	122	06/02/2011	
Anthracene	0.00010		0.00423	0.00500	0	84.6	57.4	110	06/02/2011	
Benzo(a)anthracene	0.00010		0.00365	0.00500	0	73.0	56	102	06/02/2011	
Benzo(a)pyrene	0.00010		0.00405	0.00500	0	81.0	55.4	125	06/02/2011	
Benzo(b)fluoranthene	0.00010		0.00415	0.00500	0	82.9	59.3	127	06/02/2011	
Benzo(g,h,i)perylene	0.00010		0.00409	0.00500	0	81.8	58.4	125	06/02/2011	
Benzo(k)fluoranthene	0.00010		0.00402	0.00500	0	80.4	61.5	125	06/02/2011	
Chrysene	0.00010		0.00387	0.00500	0	77.4	58.7	118	06/02/2011	
Dibenzo(a,h)anthracene	0.00010		0.00415	0.00500	0	83.0	59.3	126	06/02/2011	
Fluoranthene	0.00010		0.00412	0.00500	0	82.5	60.1	117	06/02/2011	
Fluorene	0.00010		0.00390	0.00500	0	77.9	54.1	110	06/02/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00415	0.00500	0	82.9	58.1	123	06/02/2011	
Naphthalene	0.00010		0.00380	0.00500	0	75.9	36.3	97.1	06/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68636		SampType: LCS		Units mg/L						
SampID: LCS-68636										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenanthrene	0.00010		0.00399	0.00500	0	79.7	55.9	107	06/02/2011	
Pyrene	0.00010		0.00412	0.00500	0	82.5	61.4	116	06/02/2011	
Surr: 2-Fluorobiphenyl			0.00383	0.00500		76.6	45.4	97.6	06/02/2011	
Surr: 2-Fluorophenol			0.00470	0.0100		47.0	24.9	63.7	06/02/2011	
Surr: Nitrobenzene-d5			0.00387	0.00500		77.5	45.2	108	06/02/2011	
Surr: Phenol-d5			0.00296	0.0100		29.6	15.5	39.5	06/02/2011	
Surr: p-Terphenyl-d14			0.00525	0.00500		105.1	46	127	06/02/2011	

Batch 68636		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-68636										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene	0.00010		0.00412	0.00500	0	82.4	0.003786	8.43		06/02/2011
Acenaphthylene	0.00010		0.00454	0.00500	0	90.7	0.004163	8.60		06/02/2011
Anthracene	0.00010		0.00477	0.00500	0	95.3	0.004228	11.96		06/02/2011
Benzo(a)anthracene	0.00010		0.00411	0.00500	0	82.2	0.003648	11.91		06/02/2011
Benzo(a)pyrene	0.00010		0.00474	0.00500	0	94.8	0.004050	15.72		06/02/2011
Benzo(b)fluoranthene	0.00010		0.00472	0.00500	0	94.4	0.004145	12.97		06/02/2011
Benzo(g,h,i)perylene	0.00010		0.00465	0.00500	0	93.1	0.004091	12.85		06/02/2011
Benzo(k)fluoranthene	0.00010		0.00459	0.00500	0	91.8	0.004019	13.29		06/02/2011
Chrysene	0.00010		0.00445	0.00500	0	89.0	0.003870	13.99		06/02/2011
Dibenzo(a,h)anthracene	0.00010		0.00470	0.00500	0	94.0	0.004152	12.42		06/02/2011
Fluoranthene	0.00010		0.00464	0.00500	0	92.7	0.004123	11.71		06/02/2011
Fluorene	0.00010		0.00447	0.00500	0	89.5	0.003897	13.76		06/02/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00470	0.00500	0	93.9	0.004147	12.44		06/02/2011
Naphthalene	0.00010		0.00383	0.00500	0	76.6	0.003795	0.92		06/02/2011
Phenanthrene	0.00010		0.00444	0.00500	0	88.7	0.003987	10.64		06/02/2011
Pyrene	0.00010		0.00460	0.00500	0	92.0	0.004125	10.93		06/02/2011
Surr: 2-Fluorobiphenyl			0.00381	0.00500		76.2				06/02/2011
Surr: 2-Fluorophenol			0.00499	0.0100		49.9				06/02/2011
Surr: Nitrobenzene-d5			0.00376	0.00500		75.3				06/02/2011
Surr: Phenol-d5			0.00316	0.0100		31.6				06/02/2011
Surr: p-Terphenyl-d14			0.00556	0.00500		111.3				06/02/2011

SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID

Batch 68672		SampType: MBLK		Units mg/Kg						
SampID: MB-68672										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Diesel	5.00		ND						06/03/2011	
Kerosene	5.00		ND						06/03/2011	
Mineral Spirits	5.00		ND						06/03/2011	
Motor Oil	5.00		ND						06/03/2011	
Surr: n-Tetracontane			0.71	0.67		106.5	54.8	128	06/03/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID

Batch 68672		SampType: LCS		Units mg/Kg						
SampID: LCS-68672										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Diesel	5.00		15.6	16.7	0	93.3	40.4	121	06/03/2011	
Surr: n-Tetracontane			0.74	0.67		109.8	54.8	128	06/03/2011	

Batch 68672		SampType: MS		Units mg/Kg-dry						
SampID: 11060059-002AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Diesel	5.72		31.0	19.1	15.19	82.6	20.3	167	06/03/2011	
Surr: n-Tetracontane			0.80	0.77		105.0	53.9	153	06/03/2011	

Batch 68672		SampType: MSD		Units mg/Kg-dry				RPD Limit 34		
SampID: 11060059-002AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Diesel		5.72		28.1	19.1	15.19	67.7	30.97	9.71	06/03/2011
Surr: n-Tetracontane				0.77	0.77		100.5			06/03/2011

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68634	SampType: MBLK	Units mg/Kg								
SampID: MB-68634										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.003		ND							06/03/2011
Acenaphthylene	0.003		ND							06/03/2011
Anthracene	0.003		ND							06/03/2011
Benzo(a)anthracene	0.003		ND							06/03/2011
Benzo(a)pyrene	0.003		ND							06/03/2011
Benzo(b)fluoranthene	0.003		ND							06/03/2011
Benzo(g,h,i)perylene	0.003		ND							06/03/2011
Benzo(k)fluoranthene	0.003		ND							06/03/2011
Bis(2-ethylhexyl)phthalate	0.067		ND							06/03/2011
Chrysene	0.003		ND							06/03/2011
Dibenzo(a,h)anthracene	0.003		ND							06/03/2011
Fluoranthene	0.003		ND							06/03/2011
Fluorene	0.003		ND							06/03/2011
Indeno(1,2,3-cd)pyrene	0.003		ND							06/03/2011
Naphthalene	0.003		ND							06/03/2011
Phenanthrene	0.003		ND							06/03/2011
Pyrene	0.003		ND							06/03/2011
Surr: 2-Fluorobiphenyl			0.129	0.167		77.2	45.7	89.2		06/03/2011
Surr: Nitrobenzene-d5			0.118	0.167		70.5	31.4	100		06/03/2011
Surr: p-Terphenyl-d14			0.150	0.167		89.8	53.3	124		06/03/2011

Batch 68634		SampType: LCS		Units mg/Kg						
SampID: LCS-68634										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.003		0.134	0.167	0	80.5	56.3	115	06/03/2011	
Acenaphthylene	0.003		0.131	0.167	0	78.2	60.3	143	06/03/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68634		SampType: LCS		Units mg/Kg						
SampID: LCS-68634										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Anthracene	0.003		0.123	0.167	0	73.9	52.1	109	06/03/2011	
Benzo(a)anthracene	0.003		0.126	0.167	0	75.5	52.8	112	06/03/2011	
Benzo(a)pyrene	0.003		0.130	0.167	0	77.7	40.8	127	06/03/2011	
Benzo(b)fluoranthene	0.003		0.147	0.167	0	87.8	50.1	150	06/03/2011	
Benzo(g,h,i)perylene	0.003		0.138	0.167	0	82.5	52.8	145	06/03/2011	
Benzo(k)fluoranthene	0.003		0.140	0.167	0	83.8	52	153	06/03/2011	
Bis(2-ethylhexyl)phthalate	0.067		0.159	0.167	0	95.2	50	150	06/03/2011	
Chrysene	0.003		0.136	0.167	0	81.2	60.8	128	06/03/2011	
Dibenzo(a,h)anthracene	0.003		0.144	0.167	0	86.0	54.9	150	06/03/2011	
Fluoranthene	0.003		0.140	0.167	0	84.0	58.7	125	06/03/2011	
Fluorene	0.003		0.129	0.167	0	77.5	57.8	125	06/03/2011	
Indeno(1,2,3-cd)pyrene	0.003		0.142	0.167	0	85.1	52	147	06/03/2011	
Naphthalene	0.003		0.119	0.167	0	71.3	54.8	113	06/03/2011	
Phenanthrene	0.003		0.131	0.167	0	78.2	60.4	121	06/03/2011	
Pyrene	0.003		0.139	0.167	0	83.3	57.9	129	06/03/2011	
Surr: 2-Fluorobiphenyl			0.109	0.167		65.0	45.7	89.2	06/03/2011	
Surr: Nitrobenzene-d5			0.110	0.167		65.6	31.4	100	06/03/2011	
Surr: p-Terphenyl-d14			0.142	0.167		85.0	53.3	124	06/03/2011	

Batch 68634		SampType: MS		Units mg/Kg-dry						
SampID: 11060059-003AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.004		0.126	0.186	0	67.9	36	135	06/03/2011	
Acenaphthylene	0.004		0.154	0.186	0	82.8	17.2	167	06/03/2011	
Anthracene	0.004		0.167	0.186	0	89.8	39.3	124	06/03/2011	
Benzo(a)anthracene	0.004		0.157	0.186	0	84.4	10	183	06/03/2011	
Benzo(a)pyrene	0.004		0.174	0.186	0	93.9	10	204	06/03/2011	
Benzo(b)fluoranthene	0.004		0.183	0.186	0	98.3	10.6	178	06/03/2011	
Benzo(g,h,i)perylene	0.004		0.171	0.186	0	92.2	10	168	06/03/2011	
Benzo(k)fluoranthene	0.004		0.173	0.186	0	92.9	27.6	181	06/03/2011	
Bis(2-ethylhexyl)phthalate	0.075		0.189	0.186	0	101.9	50	150	06/03/2011	
Chrysene	0.004		0.161	0.186	0	86.8	10	176	06/03/2011	
Dibenzo(a,h)anthracene	0.004		0.177	0.186	0	95.2	12.2	156	06/03/2011	
Fluoranthene	0.004		0.173	0.186	0	93.4	10	227	06/03/2011	
Fluorene	0.004		0.156	0.186	0	84.0	35.2	148	06/03/2011	
Indeno(1,2,3-cd)pyrene	0.004		0.174	0.186	0	93.6	10	164	06/03/2011	
Naphthalene	0.004		0.143	0.186	0.005868	73.6	14.7	128	06/03/2011	
Phenanthrene	0.004		0.166	0.186	0.005204	86.4	32.8	143	06/03/2011	
Pyrene	0.004		0.175	0.186	0	94.2	10	180	06/03/2011	
Surr: 2-Fluorobiphenyl			0.103	0.186		55.4	10	131	06/03/2011	
Surr: Nitrobenzene-d5			0.119	0.186		64.0	10	132	06/03/2011	
Surr: p-Terphenyl-d14			0.148	0.186		79.8	30.6	131	06/03/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68634		SampType: MSD		Units mg/Kg-dry				RPD Limit 49.7		
SampID: 11060059-003AMSD										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.004		0.129	0.186	0	69.2	0.1262	1.89		06/03/2011
Acenaphthylene	0.004		0.155	0.186	0	83.7	0.1538	1.02		06/03/2011
Anthracene	0.004		0.164	0.186	0	88.4	0.1669	1.60		06/03/2011
Benzo(a)anthracene	0.004		0.158	0.186	0	84.9	0.1568	0.49		06/03/2011
Benzo(a)pyrene	0.004		0.176	0.186	0	94.6	0.1745	0.62		06/03/2011
Benzo(b)fluoranthene	0.004		0.182	0.186	0	97.9	0.1826	0.48		06/03/2011
Benzo(g,h,i)perylene	0.004		0.168	0.186	0	90.4	0.1712	2.00		06/03/2011
Benzo(k)fluoranthene	0.004		0.175	0.186	0	94.4	0.1726	1.50		06/03/2011
Bis(2-ethylhexyl)phthalate	0.075		0.194	0.186	0	104.3	0.1894	2.25		06/03/2011
Chrysene	0.004		0.164	0.186	0	88.1	0.1613	1.36		06/03/2011
Dibenzo(a,h)anthracene	0.004		0.175	0.186	0	94.2	0.1769	1.11		06/03/2011
Fluoranthene	0.004		0.173	0.186	0	93.0	0.1735	0.42		06/03/2011
Fluorene	0.004		0.159	0.186	0	85.8	0.1560	2.13		06/03/2011
Indeno(1,2,3-cd)pyrene	0.004		0.172	0.186	0	92.5	0.1738	1.17		06/03/2011
Naphthalene	0.004		0.146	0.186	0.005868	75.2	0.1425	2.08		06/03/2011
Phenanthrene	0.004		0.168	0.186	0.005204	87.7	0.1656	1.41		06/03/2011
Pyrene	0.004		0.177	0.186	0	95.3	0.1750	1.12		06/03/2011
Surr: 2-Fluorobiphenyl			0.080	0.186		43.2				06/03/2011
Surr: Nitrobenzene-d5			0.115	0.186		62.2				06/03/2011
Surr: p-Terphenyl-d14			0.152	0.186		81.7				06/03/2011

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68613	SampType: MBLK	Units mg/Kg							
SampID: MB-68613									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,2,4-Trichlorobenzene	0.500		ND						06/02/2011
1,2-Dichlorobenzene	0.500		ND						06/02/2011
1,3-Dichlorobenzene	0.500		ND						06/02/2011
1,4-Dichlorobenzene	0.500		ND						06/02/2011
2,4,5-Trichlorophenol	0.350		ND						06/02/2011
2,4,6-Trichlorophenol	0.350		ND						06/02/2011
2,4-Dichlorophenol	0.500		ND						06/02/2011
2,4-Dimethylphenol	0.500		ND						06/02/2011
2,4-Dinitrophenol	1.00		ND						06/02/2011
2,4-Dinitrotoluene	0.350		ND						06/02/2011
2,6-Dinitrotoluene	0.350		ND						06/02/2011
2-Chloronaphthalene	0.350		ND						06/02/2011
2-Chlorophenol	0.500		ND						06/02/2011
2-Methoxy-4-methylphenol	0.650		ND						06/02/2011
2-Methylnaphthalene	0.350		ND						06/02/2011
2-Nitroaniline	1.00		ND						06/02/2011
2-Nitrophenol	0.350		ND						06/02/2011
3,3'-Dichlorobenzidine	0.350		ND						06/02/2011
3-Nitroaniline	1.00		ND						06/02/2011
4,6-Dinitro-2-methylphenol	1.00		ND						06/02/2011
4-Bromophenyl phenyl ether	0.350		ND						06/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68613	SampType: MBLK	Units mg/Kg								
SampID: MB-68613										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
4-Chloro-3-methylphenol	0.500		ND						06/02/2011	
4-Chloroaniline	0.500		ND						06/02/2011	
4-Chlorophenyl phenyl ether	0.350		ND						06/02/2011	
4-Nitroaniline	0.500		ND						06/02/2011	
4-Nitrophenol	0.350		ND						06/02/2011	
Aniline	0.500		ND						06/02/2011	
Azobenzene	0.350		ND						06/02/2011	
Benzidine	1.06		ND						06/02/2011	
Benzoic acid	1.50		ND						06/02/2011	
Benzyl alcohol	0.500		ND						06/02/2011	
Bis(2-chloroethoxy)methane	0.350		ND						06/02/2011	
Bis(2-chloroethyl)ether	0.500		ND						06/02/2011	
Bis(2-chloroisopropyl)ether	0.350		ND						06/02/2011	
Butyl benzyl phthalate	0.350		ND						06/02/2011	
Carbazole	0.500		ND						06/02/2011	
Dibenzofuran	0.350		ND						06/02/2011	
Diethyl phthalate	0.500		ND						06/02/2011	
Dimethyl phthalate	0.350		ND						06/02/2011	
Di-n-butyl phthalate	0.350		ND						06/02/2011	
Di-n-octyl phthalate	0.350		ND						06/02/2011	
Hexachlorobenzene	0.350		ND						06/02/2011	
Hexachlorobutadiene	0.500		ND						06/02/2011	
Hexachlorocyclopentadiene	0.350		ND						06/02/2011	
Hexachloroethane	0.500		ND						06/02/2011	
Isophorone	0.350		ND						06/02/2011	
m,p-Cresol	0.500		ND						06/02/2011	
Nitrobenzene	0.500		ND						06/02/2011	
N-Nitrosodimethylamine	0.500		ND						06/02/2011	
N-Nitroso-di-n-propylamine	0.500		ND						06/02/2011	
N-Nitrosodiphenylamine	0.500		ND						06/02/2011	
o-Cresol	0.500		ND						06/02/2011	
Pentachlorophenol	2.00		ND						06/02/2011	
Phenol	0.350		ND						06/02/2011	
Pyridine	0.500		ND						06/02/2011	
1,2-Diphenylhydrazine	0.840		ND						06/02/2011	
Surr: 2,4,6-Tribromophenol			1.84	1.67		110.3	52.1	113	06/02/2011	
Surr: 2-Fluorobiphenyl			0.771	0.835		92.3	46.3	106	06/02/2011	
Surr: 2-Fluorobiphenyl			0.710	0.835		85.1	46.3	106	06/02/2011	
Surr: 2-Fluorophenol			1.47	1.67		88.0	50.6	89	06/02/2011	
Surr: Nitrobenzene-d5			0.639	0.835		76.5	42.4	99.2	06/02/2011	
Surr: Nitrobenzene-d5			0.756	0.835		90.6	42.4	99.2	06/02/2011	
Surr: Phenol-d5			1.50	1.67		89.7	55.9	98.5	06/02/2011	
Surr: p-Terphenyl-d14			0.876	0.835		105.0	45.5	115	06/02/2011	
Surr: p-Terphenyl-d14			0.810	0.835		97.0	45.5	115	06/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68613 **SampType:** LCS **Units mg/Kg**
SampID: LCS-68613

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,2,4-Trichlorobenzene	0.500		1.42	1.67	0	85.1	43.9	92.2	06/02/2011
1,4-Dichlorobenzene	0.500		1.28	1.67	0	76.7	43.8	84.1	06/02/2011
2,4,5-Trichlorophenol	0.350		3.03	3.33	0	91.1	38.6	123	06/02/2011
2,4,6-Trichlorophenol	0.350		3.14	3.33	0	94.3	35.9	123	06/02/2011
2,4-Dimethylphenol	0.500		2.77	3.33	0	83.2	38.3	88	06/02/2011
2,4-Dinitrophenol	1.00		3.03	3.33	0	91.0	1.88	162	06/02/2011
2,4-Dinitrotoluene	0.350		1.58	1.67	0	94.6	48.6	102	06/02/2011
2-Chlorophenol	0.500		2.65	3.33	0	79.5	46.6	84	06/02/2011
4-Chloro-3-methylphenol	0.500		3.15	3.33	0	94.7	51.5	94.9	06/02/2011
4-Nitrophenol	0.350	S	3.62	3.33	0	108.6	53.2	104	06/02/2011
Diethyl phthalate	0.500		2.98	3.33	0	89.5	51.7	106	06/02/2011
Dimethyl phthalate	0.350		3.00	3.33	0	90.0	58.8	104	06/02/2011
Di-n-butyl phthalate	0.350		1.57	1.67	0	94.2	54.3	105	06/02/2011
Hexachlorobenzene	0.350		3.28	3.33	0	98.6	55.9	106	06/02/2011
Hexachlorobutadiene	0.500		2.94	3.33	0	88.4	35.7	100	06/02/2011
Hexachloroethane	0.500		2.51	3.33	0	75.5	38.9	89.9	06/02/2011
m,p-Cresol	0.500		1.41	1.67	0	84.5	37.6	93.7	06/02/2011
Nitrobenzene	0.500		2.57	3.33	0	77.2	51.8	104	06/02/2011
N-Nitroso-di-n-propylamine	0.500		1.38	1.67	0	82.7	49.1	94.5	06/02/2011
o-Cresol	0.500		1.40	1.67	0	83.9	43	101	06/02/2011
Pentachlorophenol	2.00		2.60	3.33	0	78.1	42.2	102	06/02/2011
Phenol	0.350		2.64	3.33	0	79.1	41.6	81.3	06/02/2011
Pyridine	0.500		1.82	3.33	0	54.8	3.61	74.3	06/02/2011
Surr: 2,4,6-Tribromophenol			1.58	1.67		94.7	52.1	113	06/02/2011
Surr: 2-Fluorobiphenyl			0.592	0.835		70.9	46.3	106	06/02/2011
Surr: 2-Fluorobiphenyl			0.618	0.835		74.0	46.3	106	06/02/2011
Surr: 2-Fluorophenol			1.21	1.67		72.3	50.6	89	06/02/2011
Surr: Nitrobenzene-d5			0.562	0.835		67.3	42.4	99.2	06/02/2011
Surr: Nitrobenzene-d5			0.687	0.835		82.3	42.4	99.2	06/02/2011
Surr: Phenol-d5			1.23	1.67		73.4	55.9	98.5	06/02/2011
Surr: p-Terphenyl-d14			0.720	0.835		86.2	45.5	115	06/02/2011
Surr: p-Terphenyl-d14			0.781	0.835		93.5	45.5	115	06/02/2011

Batch 68613 **SampType:** LCS **Units %REC**
SampID: LCSDRO-68613

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl			0.666	0.835		79.8	46.3	106	06/02/2011
Surr: Nitrobenzene-d5			0.592	0.835		70.9	42.4	99.2	06/02/2011
Surr: p-Terphenyl-d14			0.771	0.835		92.4	45.5	115	06/02/2011

Batch 68613 **SampType:** MS **Units mg/Kg-dry**
SampID: 11060059-002AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,2,4-Trichlorobenzene	0.572		1.45	1.91	0	76.0	35.9	102	06/02/2011
1,4-Dichlorobenzene	0.572		1.32	1.91	0	69.2	29.8	95.5	06/02/2011
2,4,5-Trichlorophenol	0.400		2.71	3.81	0	71.2	38.6	123	06/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68613		SampType: MS		Units mg/Kg-dry						
SampID: 11060059-002AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
2,4,6-Trichlorophenol	0.400	J	3.01	3.81	0	78.9	35.9	123	06/02/2011	
2,4-Dimethylphenol	0.572		3.04	3.81	0	79.8	38.3	88	06/02/2011	
2,4-Dinitrophenol	1.14		1.91	3.81	0	50.2	1.88	162	06/02/2011	
2,4-Dinitrotoluene	0.400		1.61	1.91	0	84.5	37.5	107	06/02/2011	
2-Chlorophenol	0.572		2.81	3.81	0	73.7	22.6	108	06/02/2011	
4-Chloro-3-methylphenol	0.572		3.26	3.81	0	85.6	19.3	131	06/02/2011	
4-Nitrophenol	0.400		3.40	3.81	0	89.4	27.6	123	06/02/2011	
Diethyl phthalate	0.572		3.05	3.81	0	80.2	51.7	106	06/02/2011	
Dimethyl phthalate	0.400		3.03	3.81	0	79.5	58.8	104	06/02/2011	
Di-n-butyl phthalate	0.400		1.58	1.91	0	82.9	54.3	105	06/02/2011	
Hexachlorobenzene	0.400		3.27	3.81	0	85.8	55.9	106	06/02/2011	
Hexachlorobutadiene	0.572		3.04	3.81	0	79.7	35.7	100	06/02/2011	
Hexachloroethane	0.572		2.56	3.81	0	67.1	38.9	89.9	06/02/2011	
m,p-Cresol	0.572		1.49	1.91	0	78.3	37.6	93.7	06/02/2011	
Nitrobenzene	0.572		2.68	3.81	0	70.3	51.8	104	06/02/2011	
N-Nitroso-di-n-propylamine	0.572		1.43	1.91	0	74.6	45.5	99.1	06/02/2011	
o-Cresol	0.572		1.51	1.91	0	79.2	43	101	06/02/2011	
Pentachlorophenol	2.29		1.5	3.81	0	40.3	18.5	113	06/02/2011	
Phenol	0.400		2.80	3.81	0	73.5	20.8	110	06/02/2011	
Pyridine	0.572		2.15	3.81	0	56.5	3.61	74.3	06/02/2011	
Surr: 2,4,6-Tribromophenol		1.74	1.91		91.2	32.7	130	06/02/2011		
Surr: 2-Fluorobiphenyl		0.732	0.955		76.7	34.1	116	06/02/2011		
Surr: 2-Fluorophenol		1.38	1.91		72.3	30.5	99	06/02/2011		
Surr: Nitrobenzene-d5		0.692	0.955		72.5	34.1	101	06/02/2011		
Surr: Phenol-d5		1.42	1.91		74.2	34.9	110	06/02/2011		
Surr: p-Terphenyl-d14		0.883	0.955		92.5	41.7	124	06/02/2011		

Batch 68613		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		
SampID: 11060059-002AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,2,4-Trichlorobenzene	0.570		1.54	1.90	0	80.9	1.451	5.90	06/02/2011	
1,4-Dichlorobenzene	0.570		1.38	1.90	0	72.3	1.322	4.03	06/02/2011	
2,4,5-Trichlorophenol	0.399		2.95	3.79	0	77.7	2.710	8.38	06/02/2011	
2,4,6-Trichlorophenol	0.399		3.21	3.79	0	84.6	3.006	6.54	06/02/2011	
2,4-Dimethylphenol	0.570		3.21	3.79	0	84.7	3.038	5.57	06/02/2011	
2,4-Dinitrophenol	1.14		2.16	3.79	0	56.9	1.910	12.20	06/02/2011	
2,4-Dinitrotoluene	0.399		1.70	1.90	0	89.1	1.614	4.95	06/02/2011	
2-Chlorophenol	0.570		2.96	3.79	0	78.0	2.807	5.31	06/02/2011	
4-Chloro-3-methylphenol	0.570		3.41	3.79	0	90.0	3.259	4.63	06/02/2011	
4-Nitrophenol	0.399		3.58	3.79	0	94.2	3.405	4.89	06/02/2011	
Diethyl phthalate	0.570		3.19	3.79	0	84.1	3.053	4.36	06/02/2011	
Dimethyl phthalate	0.399		3.22	3.79	0	84.8	3.028	6.04	06/02/2011	
Di-n-butyl phthalate	0.399		1.62	1.90	0	85.2	1.583	2.35	06/02/2011	
Hexachlorobenzene	0.399		3.47	3.79	0	91.4	3.268	5.95	06/02/2011	
Hexachlorobutadiene	0.570		3.26	3.79	0	85.8	3.036	7.03	06/02/2011	
Hexachloroethane	0.570		2.66	3.79	0	70.0	2.557	3.78	06/02/2011	
m,p-Cresol	0.570		1.60	1.90	0	84.1	1.494	6.89	06/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68613	SampType: MSD	Units mg/Kg-dry						RPD Limit 40		
SampID: 11060059-002AMSD										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Nitrobenzene	0.570		2.85	3.79	0	75.0	2.676	6.21	06/02/2011	
N-Nitroso-di-n-propylamine	0.570		1.48	1.90	0	77.8	1.425	3.83	06/02/2011	
o-Cresol	0.570		1.62	1.90	0	85.0	1.512	6.69	06/02/2011	
Pentachlorophenol	2.28	J	1.8	3.79	0	47.1	1.533	0.00	06/02/2011	
Phenol	0.399		2.95	3.79	0	77.7	2.801	5.19	06/02/2011	
Pyridine	0.570		2.25	3.79	0	59.3	2.151	4.49	06/02/2011	
Surr: 2,4,6-Tribromophenol			1.68	1.90		88.3			06/02/2011	
Surr: 2-Fluorobiphenyl			0.741	0.951		77.9			06/02/2011	
Surr: 2-Fluorophenol			1.39	1.90		73.3			06/02/2011	
Surr: Nitrobenzene-d5			0.701	0.951		73.7			06/02/2011	
Surr: Phenol-d5			1.45	1.90		76.5			06/02/2011	
Surr: p-Terphenyl-d14			0.851	0.951		89.4			06/02/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68658		SampType: MBLK		Units µg/L						
SampID: MBLK-T110601-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene		2.0		ND						06/01/2011
Ethylbenzene		5.0		ND						06/01/2011
Toluene		5.0		ND						06/01/2011
Xylenes, Total		5.0		ND						06/01/2011
Surr: 1,2-Dichloroethane-d4				55.4	50.0		110.8	74.7	129	06/01/2011
Surr: 4-Bromofluorobenzene				52.1	50.0		104.1	86	119	06/01/2011
Surr: Dibromofluoromethane				54.4	50.0		108.9	81.7	123	06/01/2011
Surr: Toluene-d8				46.8	50.0		93.6	84.3	114	06/01/2011

Batch 68658		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110601-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Benzene	2.0		48.4	50.0	0	96.8	50.40	4.01	06/01/2011	
Ethylbenzene	5.0		49.3	50.0	0	98.7	51.41	4.11	06/01/2011	
Toluene	5.0		46.7	50.0	0	93.3	47.58	1.93	06/01/2011	
Xylenes, Total	5.0		146	150	0	97.2	153.4	5.02	06/01/2011	
Surr: 1,2-Dichloroethane-d4			59.1	50.0		118.2			06/01/2011	
Surr: 4-Bromofluorobenzene			52.8	50.0		105.6			06/01/2011	
Surr: Dibromofluoromethane			56.7	50.0		113.5			06/01/2011	
Surr: Toluene-d8			47.2	50.0		94.3			06/01/2011	

Batch 68658		SampType: LCS		Units µg/L						
SampID: LCS-T110601-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		50.4	50.0	0	100.8	82.7	117	06/01/2011	
Ethylbenzene	5.0		51.4	50.0	0	102.8	83	113	06/01/2011	
Toluene	5.0		47.6	50.0	0	95.2	79.6	116	06/01/2011	
Xylenes, Total	5.0		153	150	0	102.2	80.3	120	06/01/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68658 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110601-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			58.2	50.0		116.4	74.7	129	06/01/2011
Surr: 4-Bromofluorobenzene			51.5	50.0		102.9	86	119	06/01/2011
Surr: Dibromofluoromethane			56.6	50.0		113.3	81.7	123	06/01/2011
Surr: Toluene-d8			47.3	50.0		94.6	84.3	114	06/01/2011

Batch 68658 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11060059-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		54.3	60.0	0	90.6	57.8	125	06/01/2011
Ethylbenzene	5.0		62.4	60.0	0	104.0	72.8	123	06/01/2011
Toluene	5.0		56.0	60.0	0	93.4	75.8	123	06/01/2011
Xylenes, Total	5.0		124	120	0	103.6	73	127	06/01/2011
Surr: 1,2-Dichloroethane-d4			55.8	50.0		111.7	74.7	129	06/01/2011
Surr: 4-Bromofluorobenzene			52.3	50.0		104.6	86	119	06/01/2011
Surr: Dibromofluoromethane			54.6	50.0		109.2	81.7	123	06/01/2011
Surr: Toluene-d8			46.7	50.0		93.5	84.3	114	06/01/2011

Batch 68658 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11060059-001EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		53.4	60.0	0	89.0	54.34	1.76	06/01/2011
Ethylbenzene	5.0		61.5	60.0	0	102.5	62.41	1.44	06/01/2011
Toluene	5.0		55.9	60.0	0	93.1	56.02	0.27	06/01/2011
Xylenes, Total	5.0		122	120	0	101.6	124.4	1.96	06/01/2011
Surr: 1,2-Dichloroethane-d4			56.1	50.0		112.2			06/01/2011
Surr: 4-Bromofluorobenzene			51.2	50.0		102.5			06/01/2011
Surr: Dibromofluoromethane			53.9	50.0		107.9			06/01/2011
Surr: Toluene-d8			46.6	50.0		93.3			06/01/2011

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68676 **SampType:** MBLK Units $\mu\text{g/Kg}$

SampID: MBLK-A110602-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	5.00		ND						06/02/2011
1,1,1-Trichloroethane	5.00		ND						06/02/2011
1,1,2,2-Tetrachloroethane	5.00		ND						06/02/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		ND						06/02/2011
1,1,2-Trichloroethane	5.00		ND						06/02/2011
1,1-Dichloro-2-propanone	50.0		ND						06/02/2011
1,1-Dichloroethane	5.00		ND						06/02/2011
1,1-Dichloroethene	5.00		ND						06/02/2011
1,1-Dichloropropene	5.00		ND						06/02/2011
1,2,3-Trichlorobenzene	5.00		ND						06/02/2011
1,2,3-Trichloropropane	10.0		ND						06/02/2011
1,2,3-Trimethylbenzene	5.00		ND						06/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676	SampType: MBLK	Units µg/Kg								
SampID: MBLK-A110602-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,2,4-Trichlorobenzene	5.00		ND						06/02/2011	
1,2,4-Trimethylbenzene	5.00		ND						06/02/2011	
1,2-Dibromo-3-chloropropane	5.00		ND						06/02/2011	
1,2-Dibromoethane	5.00		ND						06/02/2011	
1,2-Dichlorobenzene	5.00		ND						06/02/2011	
1,2-Dichloroethane	5.00		ND						06/02/2011	
1,2-Dichloropropane	5.00		ND						06/02/2011	
1,3,5-Trimethylbenzene	5.00		ND						06/02/2011	
1,3-Dichlorobenzene	5.00		ND						06/02/2011	
1,3-Dichloropropane	5.00		ND						06/02/2011	
1,4-Dichlorobenzene	5.00		ND						06/02/2011	
1-Chlorobutane	5.00		ND						06/02/2011	
2,2-Dichloropropane	5.00		ND						06/02/2011	
2-Butanone	50.0		ND						06/02/2011	
2-Chlorotoluene	5.00		ND						06/02/2011	
2-Hexanone	50.0		ND						06/02/2011	
2-Nitropropane	50.0		ND						06/02/2011	
4-Chlorotoluene	5.00		ND						06/02/2011	
4-Methyl-2-pentanone	50.0		ND						06/02/2011	
Acetone	50.0		ND						06/02/2011	
Acetonitrile	100		ND						06/02/2011	
Acrolein	100		ND						06/02/2011	
Acrylonitrile	10.0		ND						06/02/2011	
Allyl chloride	5.00		ND						06/02/2011	
Benzene	1.00		ND						06/02/2011	
Bromobenzene	5.00		ND						06/02/2011	
Bromochloromethane	5.00		ND						06/02/2011	
Bromodichloromethane	5.00		ND						06/02/2011	
Bromoform	5.00		ND						06/02/2011	
Bromomethane	10.0		ND						06/02/2011	
Carbon disulfide	5.00		ND						06/02/2011	
Carbon tetrachloride	5.00		ND						06/02/2011	
Chlorobenzene	5.00		ND						06/02/2011	
Chloroethane	10.0		ND						06/02/2011	
Chloroform	5.00		ND						06/02/2011	
Chloromethane	10.0		ND						06/02/2011	
cis-1,2-Dichloroethene	5.00		ND						06/02/2011	
cis-1,3-Dichloropropene	4.00		ND						06/02/2011	
Cyclohexanone	100		ND						06/02/2011	
Dibromochloromethane	5.00		ND						06/02/2011	
Dibromomethane	5.00		ND						06/02/2011	
Dichlorodifluoromethane	10.0		ND						06/02/2011	
Ethyl acetate	50.0		ND						06/02/2011	
Ethyl ether	5.00		ND						06/02/2011	
Ethyl methacrylate	5.00		ND						06/02/2011	
Ethylbenzene	5.00		ND						06/02/2011	
Heptane	20.0		ND						06/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676		SampType: MBLK		Units µg/Kg						
SampID: MBLK-A110602-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Hexachlorobutadiene	5.00		ND						06/02/2011	
Hexachloroethane	5.00		ND						06/02/2011	
Iodomethane	10.0		ND						06/02/2011	
Isopropylbenzene	5.00		ND						06/02/2011	
m,p-Xylenes	5.00		ND						06/02/2011	
Methacrylonitrile	50.0		ND						06/02/2011	
Methyl Methacrylate	5.00		ND						06/02/2011	
Methyl tert-butyl ether	2.00		ND						06/02/2011	
Methylacrylate	10.0		ND						06/02/2011	
Methylene chloride	5.00	J	2.9						06/02/2011	
Naphthalene	10.0		ND						06/02/2011	
n-Butylbenzene	5.00		ND						06/02/2011	
n-Hexane	20.0		ND						06/02/2011	
Nitrobenzene	100		ND						06/02/2011	
n-Propylbenzene	5.00		ND						06/02/2011	
o-Xylene	5.00		ND						06/02/2011	
Pentachloroethane	5.00		ND						06/02/2011	
p-Isopropyltoluene	5.00		ND						06/02/2011	
Propionitrile	50.0		ND						06/02/2011	
sec-Butylbenzene	5.00		ND						06/02/2011	
Styrene	5.00		ND						06/02/2011	
tert-Butylbenzene	5.00		ND						06/02/2011	
Tetrachloroethene	5.00		ND						06/02/2011	
Tetrahydrofuran	50.0		ND						06/02/2011	
Toluene	5.00	J	2.4						06/02/2011	
trans-1,2-Dichloroethene	5.00		ND						06/02/2011	
trans-1,3-Dichloropropene	4.00		ND						06/02/2011	
trans-1,4-Dichloro-2-butene	10.0		ND						06/02/2011	
Trichloroethene	5.00		ND						06/02/2011	
Trichlorofluoromethane	5.00		ND						06/02/2011	
Vinyl acetate	50.0		ND						06/02/2011	
Vinyl chloride	2.00		ND						06/02/2011	
Xylenes, Total	5.00		ND						06/02/2011	
Gasoline Range Organics (OA-1)	1000		ND						06/02/2011	
Surr: 1,2-Dichloroethane-d4			49.9	50.0		99.9	72.2	131	06/02/2011	
Surr: 4-Bromofluorobenzene			54.2	50.0		108.4	82.1	116	06/02/2011	
Surr: Dibromofluoromethane			52.0	50.0		104.0	77.7	120	06/02/2011	
Surr: Toluene-d8			47.3	50.0		94.7	86	116	06/02/2011	

Batch 68676		SampType: LCS		Units µg/Kg						
SampID: LCS-A110602-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1,1,2-Tetrachloroethane	5.00		50.0	50.0	0	100	0	200	06/02/2011	
1,1,1-Trichloroethane	5.00		51.2	50.0	0	102.5	85.8	124	06/02/2011	
1,1,2,2-Tetrachloroethane	5.00		41.8	50.0	0	83.6	0	200	06/02/2011	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		38.7	50.0	0	77.4	0	200	06/02/2011	
1,1,2-Trichloroethane	5.00		46.8	50.0	0	93.5	0	200	06/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676	SampType: LCS	Units µg/Kg								
SampID: LCS-A110602-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1-Dichloro-2-propanone	50.0		117	125	0	93.5	0	200	06/02/2011	
1,1-Dichloroethane	5.00		44.3	50.0	0	88.6	0	200	06/02/2011	
1,1-Dichloroethene	5.00		38.5	50.0	0	77.0	60.1	131	06/02/2011	
1,1-Dichloropropene	5.00		47.2	50.0	0	94.5	0	200	06/02/2011	
1,2,3-Trichlorobenzene	5.00		49.0	50.0	0	98.0	0	200	06/02/2011	
1,2,3-Trichloropropane	10.0		44.8	50.0	0	89.7	0	200	06/02/2011	
1,2,3-Trimethylbenzene	5.00		43.6	50.0	0	87.1	0	200	06/02/2011	
1,2,4-Trichlorobenzene	5.00		48.0	50.0	0	96.1	0	200	06/02/2011	
1,2,4-Trimethylbenzene	5.00		43.2	50.0	0	86.4	0	200	06/02/2011	
1,2-Dibromo-3-chloropropane	5.00		48.2	50.0	0	96.4	0	200	06/02/2011	
1,2-Dibromoethane	5.00		47.4	50.0	0	94.8	86.9	119	06/02/2011	
1,2-Dichlorobenzene	5.00		45.3	50.0	0	90.6	88	119	06/02/2011	
1,2-Dichloroethane	5.00		52.0	50.0	0	103.9	73	117	06/02/2011	
1,2-Dichloropropane	5.00		46.4	50.0	0	92.8	0	200	06/02/2011	
1,3,5-Trimethylbenzene	5.00		43.7	50.0	0	87.3	0	200	06/02/2011	
1,3-Dichlorobenzene	5.00		45.1	50.0	0	90.1	85.8	125	06/02/2011	
1,3-Dichloropropane	5.00		44.6	50.0	0	89.3	0	200	06/02/2011	
1,4-Dichlorobenzene	5.00		44.7	50.0	0	89.4	84.5	124	06/02/2011	
1-Chlorobutane	5.00		38.9	50.0	0	77.8	0	200	06/02/2011	
2,2-Dichloropropane	5.00		49.1	50.0	0	98.3	0	200	06/02/2011	
2-Butanone	50.0		105	125	0	83.8	45.3	136	06/02/2011	
2-Chlorotoluene	5.00		43.1	50.0	0	86.2	0	200	06/02/2011	
2-Hexanone	50.0		101	125	0	81.2	0	200	06/02/2011	
2-Nitropropane	50.0		546	500	0	109.2	0	200	06/02/2011	
4-Chlorotoluene	5.00		43.7	50.0	0	87.5	0	200	06/02/2011	
4-Methyl-2-pentanone	50.0		116	125	0	93.1	0	200	06/02/2011	
Acetone	50.0		113	125	0	90.7	0	200	06/02/2011	
Acetonitrile	100		448	500	0	89.5	0	200	06/02/2011	
Acrylonitrile	10.0		41.9	50.0	0	83.8	0	200	06/02/2011	
Allyl chloride	5.00		40.8	50.0	0	81.6	0	200	06/02/2011	
Benzene	1.00		45.8	50.0	0	91.7	73.9	109	06/02/2011	
Bromobenzene	5.00		45.0	50.0	0	90.0	0	200	06/02/2011	
Bromochloromethane	5.00		45.9	50.0	0	91.8	0	200	06/02/2011	
Bromodichloromethane	5.00		53.4	50.0	0	106.9	91.3	126	06/02/2011	
Bromoform	5.00		54.2	50.0	0	108.4	0	200	06/02/2011	
Bromomethane	10.0		27.8	50.0	0	55.7	0	200	06/02/2011	
Carbon disulfide	5.00		32.9	50.0	0	65.7	0	200	06/02/2011	
Carbon tetrachloride	5.00		53.1	50.0	0	106.2	83.3	127	06/02/2011	
Chlorobenzene	5.00		47.1	50.0	0	94.3	85.8	116	06/02/2011	
Chloroethane	10.0		30.1	50.0	0	60.2	0	200	06/02/2011	
Chloroform	5.00		52.0	50.0	0	104.0	80	113	06/02/2011	
Chloromethane	10.0		11.1	50.0	0	22.3	0	200	06/02/2011	
cis-1,2-Dichloroethene	5.00		47.8	50.0	0	95.5	0	200	06/02/2011	
cis-1,3-Dichloropropene	4.00		50.0	50.0	0	100	0	200	06/02/2011	
Cyclohexanone	100		223	250	0	89.3	0	200	06/02/2011	
Dibromochloromethane	5.00		49.7	50.0	0	99.5	89.1	119	06/02/2011	
Dibromomethane	5.00		52.8	50.0	0	105.7	0	200	06/02/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676		SampType: LCS		Units µg/Kg							
SampID: LCS-A110602-1										Date Analyzed	
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Dichlorodifluoromethane	10.0	J	2.8	50.0	0	5.7	0	200	06/02/2011		
Ethyl acetate	50.0	J	44	50.0	0	88.2	0	200	06/02/2011		
Ethyl ether	5.00		40.7	50.0	0	81.5	0	200	06/02/2011		
Ethyl methacrylate	5.00		45.4	50.0	0	90.9	0	200	06/02/2011		
Ethylbenzene	5.00		47.0	50.0	0	94.0	84.1	115	06/02/2011		
Heptane	20.0		42.8	50.0	0	85.5	0	200	06/02/2011		
Hexachlorobutadiene	5.00		47.4	50.0	0	94.7	0	200	06/02/2011		
Hexachloroethane	5.00		45.4	50.0	0	90.8	0	200	06/02/2011		
Iodomethane	10.0		45.7	50.0	0	91.4	0	200	06/02/2011		
Isopropylbenzene	5.00		49.0	50.0	0	98.1	0	200	06/02/2011		
m,p-Xylenes	5.00		93.1	100	0	93.1	79.1	111	06/02/2011		
Methacrylonitrile	50.0	J	48	50.0	0	96.3	0	200	06/02/2011		
Methyl Methacrylate	5.00		49.8	50.0	0	99.6	0	200	06/02/2011		
Methyl tert-butyl ether	2.00		48.2	50.0	0	96.5	80	128	06/02/2011		
Methylacrylate	10.0		45.8	50.0	0	91.6	0	200	06/02/2011		
Methylene chloride	5.00	S	58.8	50.0	0	117.6	73.9	116	06/02/2011		
Naphthalene	10.0		44.3	50.0	0	88.6	73.1	135	06/02/2011		
n-Butylbenzene	5.00		44.5	50.0	0	89.0	0	200	06/02/2011		
n-Hexane	20.0		33.2	50.0	0	66.5	0	200	06/02/2011		
Nitrobenzene	100		402	500	0	80.4	0	200	06/02/2011		
n-Propylbenzene	5.00		42.6	50.0	0	85.3	0	200	06/02/2011		
o-Xylene	5.00		47.6	50.0	0	95.2	82	117	06/02/2011		
Pentachloroethane	5.00		48.0	50.0	0	96.0	0	200	06/02/2011		
p-Isopropyltoluene	5.00		44.7	50.0	0	89.3	0	200	06/02/2011		
Propionitrile	50.0		464	500	0	92.8	0	200	06/02/2011		
sec-Butylbenzene	5.00		43.5	50.0	0	87.1	0	200	06/02/2011		
Styrene	5.00		48.3	50.0	0	96.6	0	200	06/02/2011		
tert-Butylbenzene	5.00		44.2	50.0	0	88.5	0	200	06/02/2011		
Tetrachloroethene	5.00		47.5	50.0	0	94.9	74.6	115	06/02/2011		
Tetrahydrofuran	50.0	J	50	50.0	0	99.9	0	200	06/02/2011		
Toluene	5.00		44.9	50.0	0	89.8	79.1	112	06/02/2011		
trans-1,2-Dichloroethene	5.00		41.8	50.0	0	83.5	0	200	06/02/2011		
trans-1,3-Dichloropropene	4.00		46.8	50.0	0	93.7	0	200	06/02/2011		
trans-1,4-Dichloro-2-butene	10.0		42.8	50.0	0	85.6	0	200	06/02/2011		
Trichloroethene	5.00		51.5	50.0	0	103.0	81	111	06/02/2011		
Trichlorofluoromethane	5.00		36.3	50.0	0	72.5	0	200	06/02/2011		
Vinyl acetate	50.0	J	44	50.0	0	87.2	0	200	06/02/2011		
Vinyl chloride	2.00		19.4	50.0	0	38.8	0	200	06/02/2011		
Xylenes, Total	5.00		141	150	0	93.8	79.1	117	06/02/2011		
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.3	72.2	131	06/02/2011		
Surr: 4-Bromofluorobenzene			55.9	50.0		111.7	82.1	116	06/02/2011		
Surr: Dibromofluoromethane			53.5	50.0		106.9	77.7	120	06/02/2011		
Surr: Toluene-d8			46.6	50.0		93.2	86	116	06/02/2011		

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676	SampType: LCSD	Units µg/Kg						RPD Limit 40		
SampID: LCSD-A110602-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
1,1,1,2-Tetrachloroethane	5.00		50.2	50.0	0	100.4	50.00	0.44		06/02/2011
1,1,1-Trichloroethane	5.00		52.2	50.0	0	104.3	51.25	1.74		06/02/2011
1,1,2,2-Tetrachloroethane	5.00		40.3	50.0	0	80.6	41.78	3.61		06/02/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		39.8	50.0	0	79.7	38.69	2.90		06/02/2011
1,1,2-Trichloroethane	5.00		45.8	50.0	0	91.6	46.77	2.05		06/02/2011
1,1-Dichloro-2-propanone	50.0		110	125	0	88.2	116.8	5.84		06/02/2011
1,1-Dichloroethane	5.00		45.2	50.0	0	90.5	44.31	2.08		06/02/2011
1,1-Dichloroethene	5.00		38.7	50.0	0	77.4	38.48	0.60		06/02/2011
1,1-Dichloropropene	5.00		47.7	50.0	0	95.3	47.25	0.86		06/02/2011
1,2,3-Trichlorobenzene	5.00		47.9	50.0	0	95.8	49.02	2.35		06/02/2011
1,2,3-Trichloropropane	10.0		42.7	50.0	0	85.4	44.83	4.87		06/02/2011
1,2,3-Trimethylbenzene	5.00		44.6	50.0	0	89.2	43.55	2.40		06/02/2011
1,2,4-Trichlorobenzene	5.00		47.8	50.0	0	95.5	48.04	0.56		06/02/2011
1,2,4-Trimethylbenzene	5.00		44.1	50.0	0	88.3	43.19	2.18		06/02/2011
1,2-Dibromo-3-chloropropane	5.00		44.8	50.0	0	89.6	48.18	7.29		06/02/2011
1,2-Dibromoethane	5.00		46.3	50.0	0	92.7	47.40	2.28		06/02/2011
1,2-Dichlorobenzene	5.00		45.4	50.0	0	90.9	45.29	0.31		06/02/2011
1,2-Dichloroethane	5.00		52.1	50.0	0	104.2	51.96	0.25		06/02/2011
1,2-Dichloropropane	5.00		47.2	50.0	0	94.5	46.39	1.82		06/02/2011
1,3,5-Trimethylbenzene	5.00		44.6	50.0	0	89.1	43.66	2.06		06/02/2011
1,3-Dichlorobenzene	5.00		46.1	50.0	0	92.2	45.06	2.33		06/02/2011
1,3-Dichloropropane	5.00		44.8	50.0	0	89.7	44.65	0.42		06/02/2011
1,4-Dichlorobenzene	5.00		45.1	50.0	0	90.1	44.70	0.80		06/02/2011
1-Chlorobutane	5.00		39.8	50.0	0	79.5	38.90	2.19		06/02/2011
2,2-Dichloropropane	5.00		50.3	50.0	0	100.6	49.14	2.35		06/02/2011
2-Butanone	50.0		91.9	125	0	73.5	104.8	13.06		06/02/2011
2-Chlorotoluene	5.00		44.1	50.0	0	88.2	43.09	2.34		06/02/2011
2-Hexanone	50.0		92.1	125	0	73.7	101.4	9.64		06/02/2011
2-Nitropropane	50.0		501	500	0	100.1	545.8	8.65		06/02/2011
4-Chlorotoluene	5.00		44.2	50.0	0	88.4	43.74	1.05		06/02/2011
4-Methyl-2-pentanone	50.0		107	125	0	85.9	116.4	8.09		06/02/2011
Acetone	50.0		103	125	0	82.2	113.3	9.75		06/02/2011
Acetonitrile	100		420	500	0	84.0	447.7	6.41		06/02/2011
Acrylonitrile	10.0		38.6	50.0	0	77.3	41.90	8.07		06/02/2011
Allyl chloride	5.00		41.2	50.0	0	82.4	40.80	1.00		06/02/2011
Benzene	1.00		46.6	50.0	0	93.2	45.85	1.62		06/02/2011
Bromobenzene	5.00		45.6	50.0	0	91.2	44.99	1.37		06/02/2011
Bromochloromethane	5.00		45.8	50.0	0	91.5	45.92	0.35		06/02/2011
Bromodichloromethane	5.00		54.1	50.0	0	108.2	53.43	1.23		06/02/2011
Bromoform	5.00		52.1	50.0	0	104.2	54.20	3.91		06/02/2011
Bromomethane	10.0		28.0	50.0	0	55.9	27.84	0.39		06/02/2011
Carbon disulfide	5.00		33.3	50.0	0	66.5	32.87	1.21		06/02/2011
Carbon tetrachloride	5.00		53.0	50.0	0	106.1	53.09	0.09		06/02/2011
Chlorobenzene	5.00		47.2	50.0	0	94.3	47.14	0.02		06/02/2011
Chloroethane	10.0		30.5	50.0	0	61.0	30.11	1.25		06/02/2011
Chloroform	5.00		52.3	50.0	0	104.6	52.02	0.50		06/02/2011
Chloromethane	10.0		11.1	50.0	0	22.2	11.14	0.36		06/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676	SampType: LCSD	Units µg/Kg				RPD Limit 40				
SampID: LCSD-A110602-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
cis-1,2-Dichloroethene	5.00		48.7	50.0	0	97.4	47.75	1.95		06/02/2011
cis-1,3-Dichloropropene	4.00		50.6	50.0	0	101.1	49.98	1.17		06/02/2011
Cyclohexanone	100		209	250	0	83.7	223.2	6.43		06/02/2011
Dibromochloromethane	5.00		49.7	50.0	0	99.5	49.73	0.00		06/02/2011
Dibromomethane	5.00		52.6	50.0	0	105.1	52.83	0.49		06/02/2011
Dichlorodifluoromethane	10.0	J	2.7	50.0	0	5.3	2.830	0.00		06/02/2011
Ethyl acetate	50.0	J	41	50.0	0	81.5	44.08	0.00		06/02/2011
Ethyl ether	5.00		40.2	50.0	0	80.4	40.73	1.28		06/02/2011
Ethyl methacrylate	5.00		43.8	50.0	0	87.5	45.44	3.74		06/02/2011
Ethylbenzene	5.00		46.9	50.0	0	93.8	47.01	0.28		06/02/2011
Heptane	20.0		44.0	50.0	0	87.9	42.75	2.81		06/02/2011
Hexachlorobutadiene	5.00		48.4	50.0	0	96.8	47.36	2.19		06/02/2011
Hexachloroethane	5.00		46.7	50.0	0	93.3	45.42	2.71		06/02/2011
Iodomethane	10.0		47.8	50.0	0	95.6	45.72	4.49		06/02/2011
Isopropylbenzene	5.00		49.2	50.0	0	98.5	49.05	0.41		06/02/2011
m,p-Xylenes	5.00		93.3	100	0	93.3	93.07	0.29		06/02/2011
Methacrylonitrile	50.0	J	45	50.0	0	90.7	48.13	0.00		06/02/2011
Methyl Methacrylate	5.00		46.8	50.0	0	93.6	49.80	6.23		06/02/2011
Methyl tert-butyl ether	2.00		46.9	50.0	0	93.8	48.25	2.88		06/02/2011
Methylacrylate	10.0		42.6	50.0	0	85.2	45.79	7.26		06/02/2011
Methylene chloride	5.00	S	59.4	50.0	0	118.8	58.80	1.02		06/02/2011
Naphthalene	10.0		41.4	50.0	0	82.8	44.32	6.76		06/02/2011
n-Butylbenzene	5.00		45.0	50.0	0	90.0	44.50	1.12		06/02/2011
n-Hexane	20.0		34.1	50.0	0	68.2	33.23	2.64		06/02/2011
Nitrobenzene	100		361	500	0	72.2	402.1	10.77		06/02/2011
n-Propylbenzene	5.00		44.1	50.0	0	88.2	42.64	3.34		06/02/2011
o-Xylene	5.00		48.2	50.0	0	96.3	47.58	1.21		06/02/2011
Pentachloroethane	5.00		49.3	50.0	0	98.6	48.00	2.63		06/02/2011
p-Isopropyltoluene	5.00		46.1	50.0	0	92.1	44.66	3.11		06/02/2011
Propionitrile	50.0		416	500	0	83.1	464.1	11.04		06/02/2011
sec-Butylbenzene	5.00		45.5	50.0	0	90.9	43.54	4.31		06/02/2011
Styrene	5.00		48.9	50.0	0	97.9	48.32	1.25		06/02/2011
tert-Butylbenzene	5.00		45.7	50.0	0	91.3	44.23	3.18		06/02/2011
Tetrachloroethene	5.00		48.0	50.0	0	96.1	47.46	1.19		06/02/2011
Tetrahydrofuran	50.0	J	45	50.0	0	90.9	49.94	0.00		06/02/2011
Toluene	5.00		45.8	50.0	0	91.6	44.88	1.99		06/02/2011
trans-1,2-Dichloroethene	5.00		42.2	50.0	0	84.4	41.76	1.05		06/02/2011
trans-1,3-Dichloropropene	4.00		46.6	50.0	0	93.3	46.85	0.47		06/02/2011
trans-1,4-Dichloro-2-butene	10.0		41.0	50.0	0	81.9	42.78	4.32		06/02/2011
Trichloroethene	5.00		52.8	50.0	0	105.7	51.49	2.61		06/02/2011
Trichlorofluoromethane	5.00		36.4	50.0	0	72.7	36.27	0.28		06/02/2011
Vinyl acetate	50.0	J	42	50.0	0	83.8	43.61	0.00		06/02/2011
Vinyl chloride	2.00		19.6	50.0	0	39.3	19.38	1.38		06/02/2011
Xylenes, Total	5.00		142	150	0	94.3	140.7	0.60		06/02/2011
Surr: 1,2-Dichloroethane-d4			50.9	50.0		101.8				06/02/2011
Surr: 4-Bromofluorobenzene			55.9	50.0		111.8				06/02/2011
Surr: Dibromofluoromethane			52.9	50.0		105.8				06/02/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68676		SampType: LCSD		Units µg/Kg		RPD Limit 40				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: Toluene-d8				46.9	50.0		93.8			06/02/2011

Batch 68676		SampType: LCSG		Units µg/Kg		RPD Limit 40				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Gasoline Range Organics (OA-1)		1000		2110	2000	0	105.5	70	130	06/02/2011
Surr: 1,2-Dichloroethane-d4				51.0	50.0		102.0	61	128	06/02/2011
Surr: 4-Bromofluorobenzene				56.3	50.0		112.5	78.2	117	06/02/2011
Surr: Dibromofluoromethane				50.2	50.0		100.4	66.6	130	06/02/2011
Surr: Toluene-d8				47.1	50.0		94.3	80.1	122	06/02/2011

Batch 68676		SampType: LCSGD		Units µg/Kg		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Gasoline Range Organics (OA-1)		1000		2030	2000	0	101.6	2111	3.84	06/02/2011
Surr: 1,2-Dichloroethane-d4				50.6	50.0		101.2			06/02/2011
Surr: 4-Bromofluorobenzene				56.3	50.0		112.5			06/02/2011
Surr: Dibromofluoromethane				50.6	50.0		101.2			06/02/2011
Surr: Toluene-d8				47.0	50.0		94.0			06/02/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060059

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 09-Jun-11

Carrier: Michael Flora

Received By: JM

Completed by:

On:

01-Jun-11

Dawn Brantley

Reviewed by:

On:

02-Jun-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 13.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10023

Project Name: Champaign MGP Project Mgr.: P. Szegma
Project Number: 624-0908-0120 Cost Code: 50002

Sampler(s): Flora
Laboratory Name: Teklab, Inc
Location: Collinsville, FL

Sample Number and (depth) 30984T060111 Date 6/1/11 Time 0930

Total Number of Containers

Analyses by Method Name and Number

SVOC (8270SIN) X
SVOC (8260) X
BTEX (8260) X
SVOC (8270) X
RCRA Metals X
CN - total & Amenable X
TSS X
PH X
BOD X
VOC (8260) X
TPH (041/042) X

Laboratory Temperature upon Receipt
13.4

Zero headspace - June 1, 11

Comments (Field PID) 11060059
Lab ID #'s 11060059

Sample Number and (depth)	Date	Time	Matrix	Soil	Water	Air	Wipes	Other *
30984T060111	6/1/11	0930		X				
P9-E3-F(16)	6/1/11	1230		X				
P9-E3-F(18)	6/1/11	1240		X				
P9-DE1.5-F(16)	6/1/11	1250		X				
P9-DE1.5-F(18)	6/1/11	1300		X				

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☒ VOC Soil (5035) Sodium Bisulfate/Methanol
☒ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃)
☒ Metals Nitric acid
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. Szegma ; L. Heosier
Send Invoice to: B. Martin
QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: FLTAGO IAC 740/742
* Special: _____

Shipping:

Carrier / Airbill No. _____

Relinquished by: Signature McClary Date 6/1/11 Time 1707

Received by: Signature UMC Date 6/1/11 Time 1707

June 08, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060187

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 6/3/2011 4:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	9
Dates Report	10
Quality Control Results	11
Receiving Check List	18
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Cooler Receipt Temp: 5.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		5/31/2011	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Lab ID: 11060187-001

Client Sample ID: 4419 T 060211

Matrix: AQUEOUS

Collection Date: 06/02/2011 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.70		1	06/03/2011 20:21	R150320
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		9	mg/L	1	06/06/2011 8:20	R150333
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		47	mg/L	1	06/03/2011 19:00	68704
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.148		Interference	mg/L	20	06/06/2011 10:21	R150366
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.140		0.296	mg/L	20	06/06/2011 10:21	R150366
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.016	mg/L	1	06/06/2011 12:04	68707
Barium	NELAP	0.0050		0.538	mg/L	1	06/06/2011 12:04	68707
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/06/2011 12:04	68707
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/06/2011 12:04	68707
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/06/2011 12:04	68707
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/06/2011 12:04	68707
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	S	< 0.0020	mg/L	1	06/06/2011 9:59	68706
<i>Pb - Matrix interference present in sample.</i>								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/06/2011 12:17	68708
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Anthracene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Chrysene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Fluorene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Pyrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:22	68703
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/06/2011 17:22	68703
Surr: 2-Fluorobiphenyl		34.3-105		76.2	%REC	1	06/06/2011 17:22	68703
Surr: 2-Fluorophenol		19.9-55.7		41.8	%REC	1	06/06/2011 17:22	68703
Surr: Nitrobenzene-d5		36.4-127		86.5	%REC	1	06/06/2011 17:22	68703
Surr: Phenol-d5		8.95-38.5		29.0	%REC	1	06/06/2011 17:22	68703
Surr: p-Terphenyl-d14		6.05-133		61.5	%REC	1	06/06/2011 17:22	68703
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/06/2011 11:45	68732



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Lab ID: 11060187-001

Client Sample ID: 4419 T 060211

Matrix: AQUEOUS

Collection Date: 06/02/2011 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/06/2011 11:45	68732
Toluene	NELAP	5.0		ND	µg/L	1	06/06/2011 11:45	68732
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/06/2011 11:45	68732
Surr: 1,2-Dichloroethane-d4		74.7-129		111.0	%REC	1	06/06/2011 11:45	68732
Surr: 4-Bromofluorobenzene		86-119		103.4	%REC	1	06/06/2011 11:45	68732
Surr: Dibromofluoromethane		81.7-123		106.5	%REC	1	06/06/2011 11:45	68732
Surr: Toluene-d8		84.3-114		96.7	%REC	1	06/06/2011 11:45	68732

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Lab ID: 11060187-002

Client Sample ID: 4091 T 060311

Matrix: AQUEOUS

Collection Date: 06/03/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.14		1	06/03/2011 20:21	R150320
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		6	mg/L	1	06/06/2011 8:20	R150333
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		42	mg/L	1	06/03/2011 19:00	68704
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.140		Interference	mg/L	20	06/06/2011 10:21	R150366
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.140		0.386	mg/L	20	06/06/2011 10:21	R150366
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.013	mg/L	1	06/06/2011 12:10	68707
Barium	NELAP	0.0050		0.506	mg/L	1	06/06/2011 12:10	68707
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/06/2011 12:10	68707
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/06/2011 12:10	68707
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/06/2011 12:10	68707
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/06/2011 12:10	68707
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/06/2011 9:59	68706
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/06/2011 12:17	68708
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Anthracene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Chrysene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Fluorene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Pyrene	NELAP	0.00010		ND	mg/L	1	06/06/2011 17:58	68703
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/06/2011 17:58	68703
Surr: 2-Fluorobiphenyl		34.3-105		77.6	%REC	1	06/06/2011 17:58	68703
Surr: 2-Fluorophenol		19.9-55.7		42.5	%REC	1	06/06/2011 17:58	68703
Surr: Nitrobenzene-d5		36.4-127		81.3	%REC	1	06/06/2011 17:58	68703
Surr: Phenol-d5		8.95-38.5		29.5	%REC	1	06/06/2011 17:58	68703
Surr: p-Terphenyl-d14		6.05-133		64.0	%REC	1	06/06/2011 17:58	68703
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/06/2011 12:12	68732
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/06/2011 12:12	68732



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Lab ID: 11060187-002

Client Sample ID: 4091 T 060311

Matrix: AQUEOUS

Collection Date: 06/03/2011 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	06/06/2011 12:12	68732
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/06/2011 12:12	68732
Surr: 1,2-Dichloroethane-d4		74.7-129		112.4	%REC	1	06/06/2011 12:12	68732
Surr: 4-Bromofluorobenzene		86-119		102.6	%REC	1	06/06/2011 12:12	68732
Surr: Dibromofluoromethane		81.7-123		108.8	%REC	1	06/06/2011 12:12	68732
Surr: Toluene-d8		84.3-114		96.2	%REC	1	06/06/2011 12:12	68732



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060187-001	4419 T 060211	Aqueous	5	06/02/2011 10:45
11060187-002	4091 T 060311	Aqueous	5	06/03/2011 13:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060187-001A	4419 T 060211	06/02/2011 10:45	6/3/2011 4:20:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/03/2011 18:34	06/06/2011 17:22
11060187-001B	4419 T 060211	06/02/2011 10:45	6/3/2011 4:20:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/03/2011 20:21
	Standard Methods 18th Ed. 2540 D			06/06/2011 8:20
	Standard Methods 18th Ed. 5210 B		06/03/2011 19:00	06/03/2011 19:00
11060187-001C	4419 T 060211	06/02/2011 10:45	6/3/2011 4:20:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/06/2011 7:19	06/06/2011 12:04
	SW-846 3020A, Metals by GFAA (Total)		06/06/2011 7:17	06/06/2011 9:59
	SW-846 7470A (Total)		06/06/2011 7:48	06/06/2011 12:17
11060187-001D	4419 T 060211	06/02/2011 10:45	6/3/2011 4:20:00 PM	
	SW-846 9012A			06/06/2011 10:21
	SW-846 9012A (Total)			06/06/2011 10:21
11060187-001E	4419 T 060211	06/02/2011 10:45	6/3/2011 4:20:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/06/2011 11:45
11060187-002A	4091 T 060311	06/03/2011 13:00	6/3/2011 4:20:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/03/2011 18:34	06/06/2011 17:58
11060187-002B	4091 T 060311	06/03/2011 13:00	6/3/2011 4:20:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/03/2011 20:21
	Standard Methods 18th Ed. 2540 D			06/06/2011 8:20
	Standard Methods 18th Ed. 5210 B		06/03/2011 19:00	06/03/2011 19:00
11060187-002C	4091 T 060311	06/03/2011 13:00	6/3/2011 4:20:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/06/2011 7:19	06/06/2011 12:10
	SW-846 3020A, Metals by GFAA (Total)		06/06/2011 7:17	06/06/2011 9:59
	SW-846 7470A (Total)		06/06/2011 7:48	06/06/2011 12:17
11060187-002D	4091 T 060311	06/03/2011 13:00	6/3/2011 4:20:00 PM	
	SW-846 9012A			06/06/2011 10:21
	SW-846 9012A (Total)			06/06/2011 10:21
11060187-002E	4091 T 060311	06/03/2011 13:00	6/3/2011 4:20:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/06/2011 12:12

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150320		SampType: LCS		Units						
SampID: LCS-R150320										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.00	7.00	0	100	99.1	100.8	06/03/2011

Batch R150320		SampType: DUP		Units				RPD Limit 10			
SampID: 11060187-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.71				8.700	0.11	06/03/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150333		SampType: MBLK		Units mg/L							
SampID: MB-R150333											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids		6		< 6						06/06/2011	

Batch R150333		SampType: LCS		Units mg/L					
SampID: LCS-R150333									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		98	100	0	98.0	85	115	06/06/2011
Total Suspended Solids	6		100	100	0	100	85	115	06/06/2011
Total Suspended Solids	6		92	100	0	92.0	85	115	06/06/2011

Batch R150333		SampType: DUP	Units mg/L					RPD Limit 15		
SampID: 11060187-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		10				9.000	10.53	06/06/2011

Batch R150333		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11060187-002BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		< 6				6.000	0.00	06/06/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 68704		SampType: LCS		Units mg/L						
SampID: LCS-68704										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		171	198	0	86.4	84.6	115.4	
										06/03/2011

Batch 68704		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11060187-002B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		37				42.00	12.66	06/03/2011	

SW-846 9012A (TOTAL)

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

SW-846 9012A (TOTAL)

Batch R150366		SampType: MBLK		Units mg/L						
SampID: MB-R150366										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide	0.007		< 0.007						06/07/2011	
Cyanide	0.007		< 0.007						06/06/2011	

Batch R150366		SampType: LCS		Units mg/L						
SampID: LCS-R150366										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.008	S	0.030	0.025	0	118.5	90	110	06/06/2011	
Cyanide	0.008		0.028	0.025	0	112.7	85	115	06/07/2011	
Cyanide	0.007		0.028	0.025	0	110.1	85	115	06/06/2011	
Cyanide	0.007		0.026	0.025	0	103.0	90	110	06/07/2011	

Batch R150366		SampType: MS		Units mg/L						
SampID: 11060187-001DMS		Date Analyzed								
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.146		0.318	0.025	0.2957	89.2	75	125	06/06/2011

Batch R150366		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11060187-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.140		0.324	0.025	0.2957	114.0	0.3180	1.93	06/06/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68707		SampType: MBLK		Units mg/L						
SampID: MB-68707										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	06/06/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	06/06/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	06/06/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	06/06/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	06/06/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	06/06/2011

Batch 68707		SampType: LCS		Units mg/L						
SampID: LCS-68707										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.98	2.00	0	99.2	85	115	06/06/2011
Barium		0.0050		2.05	2.00	0	102.6	85	115	06/06/2011
Cadmium		0.0020		0.0502	0.0500	0	100.4	85	115	06/06/2011
Chromium		0.0100		0.202	0.200	0	101.0	85	115	06/06/2011
Selenium		0.0500		1.92	2.00	0	96.2	85	115	06/06/2011
Silver		0.0100		0.0514	0.0500	0	102.8	85	115	06/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 68707 **SampType:** MS Units **mg/L**

SampID: 11060187-002CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.97	2.00	0.01290	97.9	75	125	06/06/2011
Barium	0.0050		2.45	2.00	0.5055	97.1	75	125	06/06/2011
Cadmium	0.0020		0.0477	0.0500	0	95.4	75	125	06/06/2011
Chromium	0.0100		0.192	0.200	0	96.1	75	125	06/06/2011
Selenium	0.0500		1.88	2.00	0	94.2	75	125	06/06/2011
Silver	0.0100		0.0513	0.0500	0	102.6	75	125	06/06/2011

Batch 68707 **SampType:** MSD Units **mg/L**

 RPD Limit **20**

SampID: 11060187-002CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		2.01	2.00	0.01290	99.7	1.970	1.81	06/06/2011
Barium	0.0050		2.43	2.00	0.5055	96.0	2.448	0.94	06/06/2011
Cadmium	0.0020		0.0481	0.0500	0	96.2	0.04770	0.84	06/06/2011
Chromium	0.0100		0.194	0.200	0	96.9	0.1922	0.83	06/06/2011
Selenium	0.0500		1.93	2.00	0	96.6	1.885	2.46	06/06/2011
Silver	0.0100		0.0519	0.0500	0	103.8	0.05130	1.16	06/06/2011

SW-846 3020A, METALS BY GFAA (TOTAL)
Batch 68706 **SampType:** MBLK Units **mg/L**

SampID: MB-68706

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	< 0.0020	0.0020	0	0	-100	100	06/06/2011

Batch 68706 **SampType:** LCS Units **mg/L**

SampID: LCS-68706

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0162	0.0150	0	107.9	80	120	06/06/2011

Batch 68706 **SampType:** MS Units **mg/L**

SampID: 11060187-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0035	0.0150	0	23.1	70	130	06/06/2011

Batch 68706 **SampType:** MSD Units **mg/L**

 RPD Limit **20**

SampID: 11060187-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020	0.0040	0.0150	0	26.6	0.003462	14.11	06/06/2011

SW-846 7470A (TOTAL)
Batch 68708 **SampType:** MBLK Units **mg/L**

SampID: MB-68708

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	06/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

SW-846 7470A (TOTAL)

Batch 68708		SampType: MBLK		Units mg/L							
SampID: MB-68708											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 68708		SampType: LCS		Units mg/L						
SampID: LCS-68708										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00560	0.00500	0	112.0	85	115	06/06/2011

Batch 68708		SampType: MS		Units mg/L						
SampID: 11060187-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00579	0.00500	0	115.8	75	125	06/06/2011

Batch 68708		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11060187-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Mercury		0.00020		0.00560	0.00500	0	112.0	0.005790	3.34	06/06/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	68703	SampType:	MBLK	Units mg/L						
SampID: MB-68703										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND							06/06/2011
Acenaphthylene	0.00010		ND							06/06/2011
Anthracene	0.00010		ND							06/06/2011
Benzo(a)anthracene	0.00010		ND							06/06/2011
Benzo(a)pyrene	0.00010		ND							06/06/2011
Benzo(b)fluoranthene	0.00010		ND							06/06/2011
Benzo(g,h,i)perylene	0.00010		ND							06/06/2011
Benzo(k)fluoranthene	0.00010		ND							06/06/2011
Chrysene	0.00010		ND							06/06/2011
Dibenzo(a,h)anthracene	0.00010		ND							06/06/2011
Fluoranthene	0.00010		ND							06/06/2011
Fluorene	0.00010		ND							06/06/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND							06/06/2011
Naphthalene	0.00010		ND							06/06/2011
Phenanthrene	0.00010		ND							06/06/2011
Pyrene	0.00010		ND							06/06/2011
Total PNAs except Naphthalene	0.00013		ND							06/06/2011
Surr: 2-Fluorobiphenyl			0.00370	0.00500		74.1	45.4	97.6		06/06/2011
Surr: 2-Fluorophenol			0.00563	0.0100		56.3	24.9	63.7		06/06/2011
Surr: Nitrobenzene-d5			0.00371	0.00500		74.2	45.2	108		06/06/2011
Surr: Phenol-d5			0.00363	0.0100		36.3	15.5	39.5		06/06/2011
Surr: p-Terphenyl-d14			0.00308	0.00500		61.7	46	127		06/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	68703	SampType:	LCS	Units mg/L						
SampID:		LCS-68703								
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00434	0.00500	0	86.8	50.1	103	06/05/2011	
Acenaphthylene	0.00010		0.00493	0.00500	0	98.5	53.3	122	06/05/2011	
Anthracene	0.00010		0.00483	0.00500	0	96.5	57.4	110	06/05/2011	
Benzo(a)anthracene	0.00010		0.00412	0.00500	0	82.4	56	102	06/05/2011	
Benzo(a)pyrene	0.00010		0.00440	0.00500	0	88.0	55.4	125	06/05/2011	
Benzo(b)fluoranthene	0.00010		0.00465	0.00500	0	93.0	59.3	127	06/05/2011	
Benzo(g,h,i)perylene	0.00010		0.00361	0.00500	0	72.2	58.4	125	06/05/2011	
Benzo(k)fluoranthene	0.00010		0.00448	0.00500	0	89.5	61.5	125	06/05/2011	
Chrysene	0.00010		0.00459	0.00500	0	91.8	58.7	118	06/05/2011	
Dibenzo(a,h)anthracene	0.00010		0.00353	0.00500	0	70.6	59.3	126	06/05/2011	
Fluoranthene	0.00010		0.00493	0.00500	0	98.6	60.1	117	06/05/2011	
Fluorene	0.00010		0.00438	0.00500	0	87.7	54.1	110	06/05/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00347	0.00500	0	69.4	58.1	123	06/05/2011	
Naphthalene	0.00010		0.00390	0.00500	0	78.0	36.3	97.1	06/05/2011	
Phenanthrene	0.00010		0.00453	0.00500	0	90.5	55.9	107	06/05/2011	
Pyrene	0.00010		0.00514	0.00500	0	102.8	61.4	116	06/05/2011	
Surr: 2-Fluorobiphenyl			0.00351	0.00500		70.1	45.4	97.6	06/05/2011	
Surr: Nitrobenzene-d5			0.00356	0.00500		71.2	45.2	108	06/05/2011	
Surr: p-Terphenyl-d14			0.00414	0.00500		82.8	46	127	06/05/2011	

Batch 68703	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68703									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00473	0.00500	0	94.6	0.004339	8.66	06/05/2011
Acenaphthylene	0.00010		0.00522	0.00500	0	104.4	0.004927	5.81	06/05/2011
Anthracene	0.00010		0.00526	0.00500	0	105.3	0.004827	8.64	06/05/2011
Benzo(a)anthracene	0.00010		0.00436	0.00500	0	87.3	0.004122	5.68	06/05/2011
Benzo(a)pyrene	0.00010		0.00488	0.00500	0	97.5	0.004400	10.28	06/05/2011
Benzo(b)fluoranthene	0.00010		0.00478	0.00500	0	95.7	0.004652	2.80	06/05/2011
Benzo(g,h,i)perylene	0.00010		0.00446	0.00500	0	89.2	0.003611	20.99	06/05/2011
Benzo(k)fluoranthene	0.00010		0.00488	0.00500	0	97.6	0.004475	8.66	06/05/2011
Chrysene	0.00010		0.00482	0.00500	0	96.4	0.004591	4.87	06/05/2011
Dibenzo(a,h)anthracene	0.00010		0.00461	0.00500	0	92.1	0.003528	26.53	06/05/2011
Fluoranthene	0.00010		0.00517	0.00500	0	103.3	0.004929	4.70	06/05/2011
Fluorene	0.00010		0.00461	0.00500	0	92.3	0.004383	5.11	06/05/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00451	0.00500	0	90.3	0.003468	26.21	06/05/2011
Naphthalene	0.00010		0.00409	0.00500	0	81.9	0.003901	4.80	06/05/2011
Phenanthrene	0.00010		0.00493	0.00500	0	98.6	0.004527	8.50	06/05/2011
Pyrene	0.00010		0.00522	0.00500	0	104.3	0.005142	1.43	06/05/2011
Surr: 2-Fluorobiphenyl			0.00392	0.00500		78.3			06/05/2011
Surr: Nitrobenzene-d5			0.00385	0.00500		77.0			06/05/2011
Surr: p-Terphenyl-d14			0.00447	0.00500		89.4			06/05/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68732 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110606-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						06/06/2011
Ethylbenzene	5.0		ND						06/06/2011
Toluene	5.0		ND						06/06/2011
Xylenes, Total	5.0		ND						06/06/2011
Surr: 1,2-Dichloroethane-d4			54.9	50.0		109.9	74.7	129	06/06/2011
Surr: 4-Bromofluorobenzene			51.3	50.0		102.6	86	119	06/06/2011
Surr: Dibromofluoromethane			53.9	50.0		107.7	81.7	123	06/06/2011
Surr: Toluene-d8			48.9	50.0		97.8	84.3	114	06/06/2011

Batch 68732 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-T110606-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		47.0	50.0	0	93.9	47.11	0.32	06/06/2011
Ethylbenzene	5.0		49.8	50.0	0	99.6	50.37	1.12	06/06/2011
Toluene	5.0		47.5	50.0	0	95.0	47.48	0.04	06/06/2011
Xylenes, Total	5.0		153	150	0	101.9	154.5	1.07	06/06/2011
Surr: 1,2-Dichloroethane-d4			57.1	50.0		114.3			06/06/2011
Surr: 4-Bromofluorobenzene			50.9	50.0		101.8			06/06/2011
Surr: Dibromofluoromethane			55.2	50.0		110.3			06/06/2011
Surr: Toluene-d8			49.1	50.0		98.3			06/06/2011

Batch 68732 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110606-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		47.1	50.0	0	94.2	82.7	117	06/06/2011
Ethylbenzene	5.0		50.4	50.0	0	100.7	83	113	06/06/2011
Toluene	5.0		47.5	50.0	0	95.0	79.6	116	06/06/2011
Xylenes, Total	5.0		154	150	0	103.0	80.3	120	06/06/2011
Surr: 1,2-Dichloroethane-d4			56.7	50.0		113.5	74.7	129	06/06/2011
Surr: 4-Bromofluorobenzene			50.3	50.0		100.5	86	119	06/06/2011
Surr: Dibromofluoromethane			55.2	50.0		110.4	81.7	123	06/06/2011
Surr: Toluene-d8			49.0	50.0		98.1	84.3	114	06/06/2011

Batch 68732 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11060187-002EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		57.4	60.0	0	95.7	57.8	125	06/06/2011
Ethylbenzene	5.0		63.0	60.0	0	105.1	72.8	123	06/06/2011
Toluene	5.0		58.5	60.0	0	97.5	75.8	123	06/06/2011
Xylenes, Total	5.0		121	120	0	100.5	73	127	06/06/2011
Surr: 1,2-Dichloroethane-d4			57.2	50.0		114.4	74.7	129	06/06/2011
Surr: 4-Bromofluorobenzene			52.1	50.0		104.3	86	119	06/06/2011
Surr: Dibromofluoromethane			54.0	50.0		107.9	81.7	123	06/06/2011
Surr: Toluene-d8			48.2	50.0		96.4	84.3	114	06/06/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68732		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11060187-002EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		57.7	60.0	0	96.2	57.43	0.50	06/06/2011	
Ethylbenzene	5.0		63.3	60.0	0	105.5	63.04	0.38	06/06/2011	
Toluene	5.0		58.4	60.0	0	97.4	58.49	0.10	06/06/2011	
Xylenes, Total	5.0		121	120	0	100.9	120.6	0.39	06/06/2011	
Surr: 1,2-Dichloroethane-d4			56.1	50.0		112.3			06/06/2011	
Surr: 4-Bromofluorobenzene			51.7	50.0		103.3			06/06/2011	
Surr: Dibromofluoromethane			54.1	50.0		108.2			06/06/2011	
Surr: Toluene-d8			48.6	50.0		97.1			06/06/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060187

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 08-Jun-11

Carrier: Michael Flora

Received By: TWM

Completed by:

On:

03-Jun-11

Timothy W. Mathis

Reviewed by:

On:

06-Jun-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10024

Project Name: Champaign MGP Project Mgr.: P. Szazama

Project Number: 624-0908-0120 Cost Code: 30002

Sampler(s): Flora

Laboratory Name: Teklab, Inc.

Location: Collinsville, IL

Sample Number and (depth) Date Time

4419 T 060211 6/2/11 1045

4091 T 060311 6/3/11 1300

Total Number of Containers

Matrix

Soil

Water

Air

Wipes

Other *

Analyses by Method Name and Number

BTEX (8260)

SVC (8270 SIM)

PCRA Metals

CN - total

CN - Amenable

TSS, PH

BOD

Laboratory Temperature upon Receipt

5.2

Pres

06/13/11

Sheddy Pull

839741

Lab ID #'s

Comments (Field PID)

11060187-007

002

1 DAY

Samples Iced:

☒ Yes

☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics

☐ VOC Soil (5035)

☐ TPH

☒ Metals

☒ Cyanide

☐ Other (Specify)

Hydrochloric acid (HCl)

Sodium Bisulfate/Methanol

Hydrochloric acid and/or Sulfuric acid

Nitric acid (HNO₃)

Sodium hydroxide (NaOH)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other

Fax and/or Mail Results to: P. Szazama, L. Heesler

Send Invoice to: B. Martin

QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits: IL TACO IAC 740742

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature

Date

Time

Received by:

Signature

Date

Time

Distribution: WHITE to Lab
PE-179 (6/03)

CANARY to PM

GREEN to Sampler

Shaded Areas to be Completed by Lab

June 16, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060325

Dear Pete Sazama:

TEKLAB, INC received 5 samples on 6/7/2011 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	27
Dates Report	28
Quality Control Results	30
Receiving Check List	52
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11060325**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 16-Jun-11**Cooler Receipt Temp:** 4.6 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-001

Client Sample ID: P9-E1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		21.2	%	1	06/08/2011 14:15	R150528
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.8	%	1	06/08/2011 14:15	R150497
SW-846 9012A								
Cyanide, Amenable to Chlorination		3.49		< 3.49	mg/Kg-dry	5	06/09/2011 10:42	R150557
SW-846 9012A (TOTAL)								
Cyanide	NELAP	3.49	SR	10.6	mg/Kg-dry	5	06/09/2011 10:42	R150557
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50		12.7	mg/Kg-dry	1	06/13/2011 13:49	68842
Barium	NELAP	0.50		161	mg/Kg-dry	1	06/13/2011 13:49	68842
Cadmium	NELAP	0.20	J	0.13	mg/Kg-dry	1	06/13/2011 13:49	68842
Chromium	NELAP	1.00		25.0	mg/Kg-dry	1	06/13/2011 13:49	68842
Lead	NELAP	4.00		14.0	mg/Kg-dry	1	06/13/2011 13:49	68842
Silver	NELAP	0.55		< 0.55	mg/Kg-dry	1	06/13/2011 13:49	68842
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.600		< 0.600	mg/Kg-dry	1	06/10/2011 11:44	68828
SW-846 7471A								
Mercury	NELAP	0.012		0.065	mg/Kg-dry	1	06/08/2011 10:00	68792
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Acenaphthylene	NELAP	0.004		0.024	mg/Kg-dry	1	06/14/2011 1:26	68781
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Benzo(g,h,i)perylene	NELAP	0.004		0.015	mg/Kg-dry	1	06/14/2011 1:26	68781
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Bis(2-ethylhexyl)phthalate	NELAP	0.085		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Indeno(1,2,3-cd)pyrene	NELAP	0.004		0.008	mg/Kg-dry	1	06/14/2011 1:26	68781
Naphthalene	NELAP	0.004		0.021	mg/Kg-dry	1	06/14/2011 1:26	68781
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 1:26	68781
Surr: 2-Fluorobiphenyl		10-131		94.8	%REC	1	06/14/2011 1:26	68781
Surr: Nitrobenzene-d5		10-132		91.4	%REC	1	06/14/2011 1:26	68781
Surr: p-Terphenyl-d14		80.2-138		93.8	%REC	1	06/14/2011 1:26	68781
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
1,2-Dichlorobenzene	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
1,3-Dichlorobenzene	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
1,4-Dichlorobenzene	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2,4,5-Trichlorophenol	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-001

Client Sample ID: P9-E1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4,6-Trichlorophenol	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2,4-Dichlorophenol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2,4-Dimethylphenol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2,4-Dinitrophenol	NELAP	1.26		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2,4-Dinitrotoluene	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2,6-Dinitrotoluene	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2-Chloronaphthalene	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2-Chlorophenol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2-Methoxy-4-methylphenol		0.822		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2-Methylnaphthalene	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2-Nitroaniline	NELAP	1.26		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
2-Nitrophenol	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
3,3'-Dichlorobenzidine	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
3-Nitroaniline	NELAP	1.26		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4,6-Dinitro-2-methylphenol	NELAP	1.26		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4-Bromophenyl phenyl ether	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4-Chloro-3-methylphenol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4-Chloroaniline	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4-Chlorophenyl phenyl ether	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4-Nitroaniline	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
4-Nitrophenol	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Aniline	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Azobenzene		0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Benzidine	NELAP	1.34		see note	mg/Kg-dry	1	06/09/2011 19:51	68793
Benzoic acid	NELAP	1.90		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Benzyl alcohol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Bis(2-chloroethoxy)methane	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Bis(2-chloroethyl)ether	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Bis(2-chloroisopropyl)ether	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Butyl benzyl phthalate	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Carbazole		0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Dibenzofuran	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Diethyl phthalate	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Dimethyl phthalate	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Di-n-butyl phthalate	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Di-n-octyl phthalate	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Hexachlorobenzene	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Hexachlorobutadiene	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Hexachlorocyclopentadiene	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Hexachloroethane	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Isophorone	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
m,p-Cresol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Nitrobenzene	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
N-Nitrosodimethylamine	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
N-Nitroso-di-n-propylamine	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
N-Nitrosodiphenylamine	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
o-Cresol	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-001

Client Sample ID: P9-E1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Pentachlorophenol	NELAP	2.53		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Phenol	NELAP	0.443		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Pyridine	NELAP	0.632		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
1,2-Diphenylhydrazine		1.06		ND	mg/Kg-dry	1	06/09/2011 19:51	68793
Surr: 2,4,6-Tribromophenol		32.7-130		93.2	%REC	1	06/09/2011 19:51	68793
Surr: 2-Fluorobiphenyl		34.1-116		80.2	%REC	1	06/09/2011 19:51	68793
Surr: 2-Fluorophenol		30.5-99		67.8	%REC	1	06/09/2011 19:51	68793
Surr: Nitrobenzene-d5		34.1-101		74.6	%REC	1	06/09/2011 19:51	68793
Surr: Phenol-d5		34.9-110		67.6	%REC	1	06/09/2011 19:51	68793
Surr: p-Terphenyl-d14		41.7-124		85.7	%REC	1	06/09/2011 19:51	68793
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
<i>4-Nitrophenol was outside upper QC limits in the LCS. Sample was ND.</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1,1-Trichloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1,2,2-Tetrachloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1,2-Trichloro-1,2,2-trifluoroethane		4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1,2-Trichloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1-Dichloro-2-propanone		45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1-Dichloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1-Dichloroethene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,1-Dichloropropene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2,3-Trichlorobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2,3-Trichloropropane	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2,3-Trimethylbenzene		4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2,4-Trichlorobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2,4-Trimethylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2-Dibromo-3-chloropropane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2-Dibromoethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2-Dichlorobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2-Dichloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,2-Dichloropropane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,3,5-Trimethylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,3-Dichlorobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,3-Dichloropropane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1,4-Dichlorobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
1-Chlorobutane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
2,2-Dichloropropane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
2-Butanone	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
2-Chlorotoluene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
2-Hexanone	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
2-Nitropropane	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
4-Chlorotoluene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
4-Methyl-2-pentanone	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Acetone	NELAP	45.4	J	27	µg/Kg-dry	1	06/07/2011 18:48	68779
Acrolein	NELAP	90.8		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Acrylonitrile	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-001

Client Sample ID: P9-E1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Allyl chloride	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Benzene	NELAP	0.9		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Bromobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Bromochloromethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Bromodichloromethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Bromoform	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Bromomethane	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Carbon disulfide	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Carbon tetrachloride	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Chlorobenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Chloroethane	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Chloroform	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Chloromethane	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
cis-1,2-Dichloroethene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
cis-1,3-Dichloropropene	NELAP	3.6		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Cyclohexanone		90.8		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Dibromochloromethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Dibromomethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Dichlorodifluoromethane	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Ethyl acetate	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Ethyl ether	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Ethyl methacrylate	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Ethylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Heptane		18.2		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Hexachlorobutadiene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Hexachloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Iodomethane	NELAP	9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Isopropylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
m,p-Xylenes	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Methacrylonitrile	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Methyl Methacrylate	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Methyl tert-butyl ether	NELAP	1.8		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Methylacrylate		9.1		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Methylene chloride	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Naphthalene	NELAP	9.1	J	2.1	µg/Kg-dry	1	06/07/2011 18:48	68779
n-Butylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
n-Hexane		18.2		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Nitrobenzene	NELAP	90.8		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
n-Propylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
o-Xylene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Pentachloroethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
p-Isopropyltoluene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Propionitrile	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
sec-Butylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Styrene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
tert-Butylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Tetrachloroethene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-001

Client Sample ID: P9-E1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Tetrahydrofuran	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Toluene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
trans-1,2-Dichloroethene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
trans-1,3-Dichloropropene	NELAP	3.6		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Trichloroethene	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Trichlorofluoromethane	NELAP	4.5		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Vinyl acetate	NELAP	45.4		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Vinyl chloride	NELAP	1.8		ND	µg/Kg-dry	1	06/07/2011 18:48	68779
Surr: 1,2-Dichloroethane-d4		72.2-131		126.4	%REC	1	06/07/2011 18:48	68779
Surr: 4-Bromofluorobenzene		82.1-116		108.6	%REC	1	06/07/2011 18:48	68779
Surr: Dibromofluoromethane		77.7-120		112.5	%REC	1	06/07/2011 18:48	68779
Surr: Toluene-d8		86-116		94.7	%REC	1	06/07/2011 18:48	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-002

Client Sample ID: P9-E1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		19.3	%	1	06/08/2011 14:15	R150528
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		80.7	%	1	06/08/2011 14:15	R150497
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.620		1.05	mg/Kg-dry	1	06/09/2011 10:42	R150557
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.62		2.16	mg/Kg-dry	1	06/09/2011 10:42	R150557
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50		8.06	mg/Kg-dry	1	06/13/2011 14:07	68842
Barium	NELAP	0.50		89.1	mg/Kg-dry	1	06/13/2011 14:07	68842
Cadmium	NELAP	0.20		< 0.20	mg/Kg-dry	1	06/13/2011 14:07	68842
Chromium	NELAP	1.00		34.3	mg/Kg-dry	1	06/13/2011 14:07	68842
Lead	NELAP	4.00		16.1	mg/Kg-dry	1	06/13/2011 14:07	68842
Silver	NELAP	0.55		< 0.55	mg/Kg-dry	1	06/13/2011 14:07	68842
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.545		< 0.545	mg/Kg-dry	1	06/10/2011 12:04	68828
SW-846 7471A								
Mercury	NELAP	0.012		0.012	mg/Kg-dry	1	06/08/2011 10:00	68792
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.105	S	ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Acenaphthylene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Anthracene	NELAP	0.105	S	ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Benzo(a)anthracene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Benzo(a)pyrene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Benzo(b)fluoranthene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Benzo(g,h,i)perylene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Benzo(k)fluoranthene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Bis(2-ethylhexyl)phthalate	NELAP	0.083		ND	mg/Kg-dry	1	06/14/2011 2:03	68781
Chrysene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Dibenzo(a,h)anthracene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Fluoranthene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Fluorene	NELAP	0.105	S	ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Indeno(1,2,3-cd)pyrene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Naphthalene	NELAP	0.105		ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Phenanthrene	NELAP	0.105	S	ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Pyrene	NELAP	0.105	S	ND	mg/Kg-dry	25	06/14/2011 19:25	68781
Surr: 2-Fluorobiphenyl		10-131		62.0	%REC	25	06/14/2011 19:25	68781
Surr: Nitrobenzene-d5		10-132		69.0	%REC	25	06/14/2011 19:25	68781
Surr: p-Terphenyl-d14		80.2-138	S	61.0	%REC	25	06/14/2011 19:25	68781
<i>Surrogate recovery was outside QC limits due to matrix interference.</i>								
<i>Matrix spike did not recover within QC limits due to matrix interference.</i>								
<i>Elevated reporting limit(s) due to sample extract composition.</i>								
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
1,2-Dichlorobenzene	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
1,3-Dichlorobenzene	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
1,4-Dichlorobenzene	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-002

Client Sample ID: P9-E1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4,5-Trichlorophenol	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2,4,6-Trichlorophenol	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2,4-Dichlorophenol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2,4-Dimethylphenol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2,4-Dinitrophenol	NELAP	12.4		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2,4-Dinitrotoluene	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2,6-Dinitrotoluene	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2-Chloronaphthalene	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2-Chlorophenol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2-Methoxy-4-methylphenol		8.05		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2-Methylnaphthalene	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2-Nitroaniline	NELAP	12.4		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
2-Nitrophenol	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
3,3'-Dichlorobenzidine	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
3-Nitroaniline	NELAP	12.4		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4,6-Dinitro-2-methylphenol	NELAP	12.4		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4-Bromophenyl phenyl ether	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4-Chloro-3-methylphenol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4-Chloroaniline	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4-Chlorophenyl phenyl ether	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4-Nitroaniline	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
4-Nitrophenol	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Aniline	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Azobenzene		4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Benzidine	NELAP	13.1		see note	mg/Kg-dry	10	06/09/2011 20:23	68793
Benzoic acid	NELAP	18.6		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Benzyl alcohol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Bis(2-chloroethoxy)methane	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Bis(2-chloroethyl)ether	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Bis(2-chloroisopropyl)ether	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Butyl benzyl phthalate	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Carbazole		6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Dibenzofuran	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Diethyl phthalate	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Dimethyl phthalate	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Di-n-butyl phthalate	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Di-n-octyl phthalate	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Hexachlorobenzene	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Hexachlorobutadiene	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Hexachlorocyclopentadiene	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Hexachloroethane	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Isophorone	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
m,p-Cresol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Nitrobenzene	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
N-Nitrosodimethylamine	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
N-Nitroso-di-n-propylamine	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
N-Nitrosodiphenylamine	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-002

Client Sample ID: P9-E1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
o-Cresol	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Pentachlorophenol	NELAP	24.8		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Phenol	NELAP	4.34		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Pyridine	NELAP	6.19		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
1,2-Diphenylhydrazine		10.4		ND	mg/Kg-dry	10	06/09/2011 20:23	68793
Surr: 2,4,6-Tribromophenol		32.7-130		99.2	%REC	10	06/09/2011 20:23	68793
Surr: 2-Fluorobiphenyl		34.1-116		75.8	%REC	10	06/09/2011 20:23	68793
Surr: 2-Fluorophenol		30.5-99		70.1	%REC	10	06/09/2011 20:23	68793
Surr: Nitrobenzene-d5		34.1-101		78.6	%REC	10	06/09/2011 20:23	68793
Surr: Phenol-d5		34.9-110		72.9	%REC	10	06/09/2011 20:23	68793
Surr: p-Terphenyl-d14		41.7-124		87.5	%REC	10	06/09/2011 20:23	68793
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
<i>Elevated reporting limit(s) due to sample extract composition.</i>								
<i>4-Nitrophenol was outside upper QC limits in the LCS. Sample was ND.</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1,1-Trichloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1,2,2-Tetrachloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1,2-Trichloro-1,2,2-trifluoroethane		108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1,2-Trichloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1-Dichloro-2-propanone		1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1-Dichloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1-Dichloroethene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,1-Dichloropropene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2,3-Trichlorobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2,3-Trichloropropane	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2,3-Trimethylbenzene		108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2,4-Trichlorobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2,4-Trimethylbenzene	NELAP	108	J	23	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2-Dibromo-3-chloropropane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2-Dibromoethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2-Dichlorobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2-Dichloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,2-Dichloropropane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,3,5-Trimethylbenzene	NELAP	108		137	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,3-Dichlorobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,3-Dichloropropane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1,4-Dichlorobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
1-Chlorobutane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
2,2-Dichloropropane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
2-Butanone	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
2-Chlorotoluene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
2-Hexanone	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
2-Nitropropane	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
4-Chlorotoluene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
4-Methyl-2-pentanone	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Acetone	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-002

Client Sample ID: P9-E1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acrolein	NELAP	2150		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Acrylonitrile	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Allyl chloride	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Benzene	NELAP	21.5		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Bromobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Bromochloromethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Bromodichloromethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Bromoform	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Bromomethane	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Carbon disulfide	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Carbon tetrachloride	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Chlorobenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Chloroethane	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Chloroform	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Chloromethane	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
cis-1,2-Dichloroethene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
cis-1,3-Dichloropropene	NELAP	86.2		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Cyclohexanone		2150		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Dibromochloromethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Dibromomethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Dichlorodifluoromethane	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Ethyl acetate	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Ethyl ether	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Ethyl methacrylate	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Ethylbenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Heptane		431		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Hexachlorobutadiene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Hexachloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Iodomethane	NELAP	215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Isopropylbenzene	NELAP	108		155	µg/Kg-dry	12.5	06/07/2011 21:13	68779
m,p-Xylenes	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Methacrylonitrile	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Methyl Methacrylate	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Methyl tert-butyl ether	NELAP	43.1		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Methylacrylate		215		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Methylene chloride	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Naphthalene	NELAP	215	J	91	µg/Kg-dry	12.5	06/07/2011 21:13	68779
n-Butylbenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
n-Hexane		431		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Nitrobenzene	NELAP	2150		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
n-Propylbenzene	NELAP	108	J	31	µg/Kg-dry	12.5	06/07/2011 21:13	68779
o-Xylene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Pentachloroethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
p-Isopropyltoluene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Propionitrile	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
sec-Butylbenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Styrene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-002

Client Sample ID: P9-E1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
tert-Butylbenzene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Tetrachloroethene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Tetrahydrofuran	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Toluene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
trans-1,2-Dichloroethene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
trans-1,3-Dichloropropene	NELAP	86.2		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Trichloroethene	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Trichlorofluoromethane	NELAP	108		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Vinyl acetate	NELAP	1080		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Vinyl chloride	NELAP	43.1		ND	µg/Kg-dry	12.5	06/07/2011 21:13	68779
Surr: 1,2-Dichloroethane-d4		72.2-131		129.6	%REC	12.5	06/07/2011 21:13	68779
Surr: 4-Bromofluorobenzene		82.1-116		111.1	%REC	12.5	06/07/2011 21:13	68779
Surr: Dibromofluoromethane		77.7-120	S	121.1	%REC	12.5	06/07/2011 21:13	68779
Surr: Toluene-d8		86-116		92.1	%REC	12.5	06/07/2011 21:13	68779

Surrogate recovery was outside QC limits due to matrix interference.

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-003

Client Sample ID: P9-D1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		23.4	%	1	06/08/2011 14:15	R150528
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		76.6	%	1	06/08/2011 14:15	R150497
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.731		< 0.731	mg/Kg-dry	1	06/09/2011 10:42	R150557
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.73		2.41	mg/Kg-dry	1	06/09/2011 10:42	R150557
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50		14.0	mg/Kg-dry	1	06/13/2011 14:12	68842
Barium	NELAP	0.50		208	mg/Kg-dry	1	06/13/2011 14:12	68842
Cadmium	NELAP	0.20		0.33	mg/Kg-dry	1	06/13/2011 14:12	68842
Chromium	NELAP	1.00		25.5	mg/Kg-dry	1	06/13/2011 14:12	68842
Lead	NELAP	4.00		15.4	mg/Kg-dry	1	06/13/2011 14:12	68842
Silver	NELAP	0.55		< 0.55	mg/Kg-dry	1	06/13/2011 14:12	68842
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.588		< 0.588	mg/Kg-dry	1	06/10/2011 12:07	68828
SW-846 7471A								
Mercury	NELAP	0.013		0.045	mg/Kg-dry	1	06/08/2011 10:00	68792
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Bis(2-ethylhexyl)phthalate	NELAP	0.087		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Naphthalene	NELAP	0.004		0.009	mg/Kg-dry	1	06/14/2011 3:54	68781
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	06/14/2011 3:54	68781
Surr: 2-Fluorobiphenyl		10-131		73.9	%REC	1	06/14/2011 3:54	68781
Surr: Nitrobenzene-d5		10-132		69.5	%REC	1	06/14/2011 3:54	68781
Surr: p-Terphenyl-d14		80.2-138		90.0	%REC	1	06/14/2011 3:54	68781
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
1,2-Dichlorobenzene	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
1,3-Dichlorobenzene	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
1,4-Dichlorobenzene	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2,4,5-Trichlorophenol	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2,4,6-Trichlorophenol	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-003

Client Sample ID: P9-D1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4-Dichlorophenol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2,4-Dimethylphenol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2,4-Dinitrophenol	NELAP	1.30		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2,4-Dinitrotoluene	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2,6-Dinitrotoluene	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2-Chloronaphthalene	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2-Chlorophenol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2-Methoxy-4-methylphenol		0.847		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2-Methylnaphthalene	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2-Nitroaniline	NELAP	1.30		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
2-Nitrophenol	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
3,3'-Dichlorobenzidine	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
3-Nitroaniline	NELAP	1.30		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4,6-Dinitro-2-methylphenol	NELAP	1.30		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4-Bromophenyl phenyl ether	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4-Chloro-3-methylphenol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4-Chloroaniline	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4-Chlorophenyl phenyl ether	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4-Nitroaniline	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
4-Nitrophenol	NELAP	0.456	S	ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Aniline	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Azobenzene		0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Benzidine	NELAP	1.38		see note	mg/Kg-dry	1	06/09/2011 20:55	68793
Benzoic acid	NELAP	1.95		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Benzyl alcohol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Bis(2-chloroethoxy)methane	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Bis(2-chloroethyl)ether	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Bis(2-chloroisopropyl)ether	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Butyl benzyl phthalate	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Carbazole		0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Dibenzofuran	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Diethyl phthalate	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Dimethyl phthalate	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Di-n-butyl phthalate	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Di-n-octyl phthalate	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Hexachlorobenzene	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Hexachlorobutadiene	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Hexachlorocyclopentadiene	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Hexachloroethane	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Isophorone	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
m,p-Cresol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Nitrobenzene	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
N-Nitrosodimethylamine	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
N-Nitroso-di-n-propylamine	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
N-Nitrosodiphenylamine	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
o-Cresol	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Pentachlorophenol	NELAP	2.61		ND	mg/Kg-dry	1	06/09/2011 20:55	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-003

Client Sample ID: P9-D1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Phenol	NELAP	0.456		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Pyridine	NELAP	0.651		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
1,2-Diphenylhydrazine		1.09		ND	mg/Kg-dry	1	06/09/2011 20:55	68793
Surr: 2,4,6-Tribromophenol		32.7-130		80.4	%REC	1	06/09/2011 20:55	68793
Surr: 2-Fluorobiphenyl		34.1-116		71.9	%REC	1	06/09/2011 20:55	68793
Surr: 2-Fluorophenol		30.5-99		64.6	%REC	1	06/09/2011 20:55	68793
Surr: Nitrobenzene-d5		34.1-101		74.3	%REC	1	06/09/2011 20:55	68793
Surr: Phenol-d5		34.9-110		65.2	%REC	1	06/09/2011 20:55	68793
Surr: p-Terphenyl-d14		41.7-124		89.8	%REC	1	06/09/2011 20:55	68793
<i>Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.</i>								
<i>4-Nitrophenol was outside upper QC limits in the LCS, MS and MSD. Sample was ND.</i>								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1,2-Trichloro-1,2,2-trifluoroethane		5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1-Dichloro-2-propanone		49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1-Dichloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1-Dichloroethene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,1-Dichloropropene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2,3-Trichloropropane	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2,3-Trimethylbenzene		5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2-Dibromoethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2-Dichloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,2-Dichloropropane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,3-Dichloropropane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
1-Chlorobutane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
2,2-Dichloropropane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
2-Butanone	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
2-Chlorotoluene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
2-Hexanone	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
2-Nitropropane	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
4-Chlorotoluene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
4-Methyl-2-pentanone	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Acetone	NELAP	49.5	J	21	µg/Kg-dry	1	06/07/2011 19:18	68779
Acrolein	NELAP	99.1		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Acrylonitrile	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Allyl chloride	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-003

Client Sample ID: P9-D1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Bromobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Bromochloromethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Bromodichloromethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Bromoform	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Bromomethane	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Carbon disulfide	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Carbon tetrachloride	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Chlorobenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Chloroethane	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Chloroform	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Chloromethane	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
cis-1,3-Dichloropropene	NELAP	4.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Cyclohexanone		99.1		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Dibromochloromethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Dibromomethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Dichlorodifluoromethane	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Ethyl acetate	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Ethyl ether	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Ethyl methacrylate	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Ethylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Heptane		19.8		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Hexachlorobutadiene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Hexachloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Iodomethane	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Isopropylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
m,p-Xylenes	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Methacrylonitrile	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Methyl Methacrylate	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Methyl tert-butyl ether	NELAP	2.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Methylacrylate		9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Methylene chloride	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Naphthalene	NELAP	9.9		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
n-Butylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
n-Hexane		19.8		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Nitrobenzene	NELAP	99.1		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
n-Propylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
o-Xylene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Pentachloroethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
p-Isopropyltoluene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Propionitrile	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
sec-Butylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Styrene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
tert-Butylbenzene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Tetrachloroethene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Tetrahydrofuran	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-003

Client Sample ID: P9-D1-W (3)

Matrix: SOLID

Collection Date: 06/07/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
trans-1,3-Dichloropropene	NELAP	4.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Trichloroethene	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Trichlorofluoromethane	NELAP	5.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Vinyl acetate	NELAP	49.5		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Vinyl chloride	NELAP	2.0		ND	µg/Kg-dry	1	06/07/2011 19:18	68779
Surr: 1,2-Dichloroethane-d4		72.2-131		125.6	%REC	1	06/07/2011 19:18	68779
Surr: 4-Bromofluorobenzene		82.1-116		108.4	%REC	1	06/07/2011 19:18	68779
Surr: Dibromofluoromethane		77.7-120		112.4	%REC	1	06/07/2011 19:18	68779
Surr: Toluene-d8		86-116		95.8	%REC	1	06/07/2011 19:18	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-004

Client Sample ID: P9-D1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		18.4	%	1	06/08/2011 14:15	R150528
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		81.6	%	1	06/08/2011 14:15	R150497
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.613		< 0.613	mg/Kg-dry	1	06/09/2011 10:42	R150557
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.61		0.76	mg/Kg-dry	1	06/09/2011 10:42	R150557
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.45		7.11	mg/Kg-dry	1	06/13/2011 14:29	68842
Barium	NELAP	0.49		20.1	mg/Kg-dry	1	06/13/2011 14:29	68842
Cadmium	NELAP	0.20	J	0.10	mg/Kg-dry	1	06/13/2011 14:29	68842
Chromium	NELAP	0.98		9.42	mg/Kg-dry	1	06/13/2011 14:29	68842
Lead	NELAP	3.92		15.1	mg/Kg-dry	1	06/13/2011 14:29	68842
Silver	NELAP	0.54		< 0.54	mg/Kg-dry	1	06/13/2011 14:29	68842
SW-846 3050B, METALS BY GFAA								
Selenium 7740	NELAP	0.588		< 0.588	mg/Kg-dry	1	06/10/2011 12:11	68828
SW-846 7471A								
Mercury	NELAP	0.012	J	0.008	mg/Kg-dry	1	06/08/2011 10:00	68792
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.021		0.827	mg/Kg-dry	5	06/14/2011 4:32	68781
Acenaphthylene	NELAP	0.021		1.05	mg/Kg-dry	5	06/14/2011 4:32	68781
Anthracene	NELAP	0.021		2.09	mg/Kg-dry	5	06/14/2011 4:32	68781
Benzo(a)anthracene	NELAP	0.021		0.993	mg/Kg-dry	5	06/14/2011 4:32	68781
Benzo(a)pyrene	NELAP	0.021		0.962	mg/Kg-dry	5	06/14/2011 4:32	68781
Benzo(b)fluoranthene	NELAP	0.021		0.862	mg/Kg-dry	5	06/14/2011 4:32	68781
Benzo(g,h,i)perylene	NELAP	0.021		0.282	mg/Kg-dry	5	06/14/2011 4:32	68781
Benzo(k)fluoranthene	NELAP	0.021		0.290	mg/Kg-dry	5	06/14/2011 4:32	68781
Bis(2-ethylhexyl)phthalate	NELAP	0.411		ND	mg/Kg-dry	5	06/14/2011 4:32	68781
Chrysene	NELAP	0.021		0.937	mg/Kg-dry	5	06/14/2011 4:32	68781
Dibenzo(a,h)anthracene	NELAP	0.021		0.078	mg/Kg-dry	5	06/14/2011 4:32	68781
Fluoranthene	NELAP	0.021		2.15	mg/Kg-dry	5	06/14/2011 4:32	68781
Fluorene	NELAP	0.021		1.93	mg/Kg-dry	5	06/14/2011 4:32	68781
Indeno(1,2,3-cd)pyrene	NELAP	0.021		0.233	mg/Kg-dry	5	06/14/2011 4:32	68781
Naphthalene	NELAP	0.417		45.3	mg/Kg-dry	100	06/14/2011 21:15	68781
Phenanthrene	NELAP	0.417		5.64	mg/Kg-dry	100	06/14/2011 21:15	68781
Pyrene	NELAP	0.021		3.22	mg/Kg-dry	5	06/14/2011 4:32	68781
Surr: 2-Fluorobiphenyl		10-131		65.2	%REC	5	06/14/2011 4:32	68781
Surr: Nitrobenzene-d5		10-132		58.8	%REC	5	06/14/2011 4:32	68781
Surr: p-Terphenyl-d14		80.2-138	S	72.6	%REC	5	06/14/2011 4:32	68781
<i>Surrogate recovery was outside QC limits due to matrix interference.</i>								
<i>Elevated reporting limit(s) due to sample extract composition.</i>								
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
1,2-Dichlorobenzene	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
1,3-Dichlorobenzene	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
1,4-Dichlorobenzene	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-004

Client Sample ID: P9-D1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,4,5-Trichlorophenol	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2,4,6-Trichlorophenol	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2,4-Dichlorophenol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2,4-Dimethylphenol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2,4-Dinitrophenol	NELAP	30.6		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2,4-Dinitrotoluene	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2,6-Dinitrotoluene	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2-Chloronaphthalene	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2-Chlorophenol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2-Methoxy-4-methylphenol		19.9		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2-Methylnaphthalene	NELAP	10.7	J	8.9	mg/Kg-dry	25	06/09/2011 22:31	68793
2-Nitroaniline	NELAP	30.6		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
2-Nitrophenol	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
3,3'-Dichlorobenzidine	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
3-Nitroaniline	NELAP	30.6		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4,6-Dinitro-2-methylphenol	NELAP	30.6		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4-Bromophenyl phenyl ether	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4-Chloro-3-methylphenol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4-Chloroaniline	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4-Chlorophenyl phenyl ether	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4-Nitroaniline	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
4-Nitrophenol	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Aniline	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Azobenzene		10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Benzidine	NELAP	32.4		see note	mg/Kg-dry	25	06/09/2011 22:31	68793
Benzoic acid	NELAP	46.0		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Benzyl alcohol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Bis(2-chloroethoxy)methane	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Bis(2-chloroethyl)ether	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Bis(2-chloroisopropyl)ether	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Butyl benzyl phthalate	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Carbazole		15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Dibenzofuran	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Diethyl phthalate	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Dimethyl phthalate	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Di-n-butyl phthalate	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Di-n-octyl phthalate	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Hexachlorobenzene	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Hexachlorobutadiene	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Hexachlorocyclopentadiene	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Hexachloroethane	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Isophorone	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
m,p-Cresol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Nitrobenzene	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
N-Nitrosodimethylamine	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
N-Nitroso-di-n-propylamine	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
N-Nitrosodiphenylamine	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-004

Client Sample ID: P9-D1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
o-Cresol	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Pentachlorophenol	NELAP	61.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Phenol	NELAP	10.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Pyridine	NELAP	15.3		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
1,2-Diphenylhydrazine		25.7		ND	mg/Kg-dry	25	06/09/2011 22:31	68793
Surr: 2,4,6-Tribromophenol		32.7-130		81.1	%REC	25	06/09/2011 22:31	68793
Surr: 2-Fluorobiphenyl		34.1-116		73.6	%REC	25	06/09/2011 22:31	68793
Surr: 2-Fluorophenol		30.5-99		69.8	%REC	25	06/09/2011 22:31	68793
Surr: Nitrobenzene-d5		34.1-101		68.5	%REC	25	06/09/2011 22:31	68793
Surr: Phenol-d5		34.9-110		62.9	%REC	25	06/09/2011 22:31	68793
Surr: p-Terphenyl-d14		41.7-124		85.0	%REC	25	06/09/2011 22:31	68793

Note: Benzidine is currently not reportable while extraction efficiency and recovery are investigated.

Elevated reporting limit(s) due to sample extract composition.

4-Nitrophenol was outside upper QC limits in the LCS. Sample was ND.

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1,1-Trichloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1,2,2-Tetrachloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1,2-Trichloro-1,2,2-trifluoroethane		8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1,2-Trichloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1-Dichloro-2-propanone		87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1-Dichloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1-Dichloroethene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,1-Dichloropropene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2,3-Trichlorobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2,3-Trichloropropane	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2,3-Trimethylbenzene		8710		38100	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2,4-Trichlorobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2,4-Trimethylbenzene	NELAP	8710		28000	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2-Dibromo-3-chloropropane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2-Dibromoethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2-Dichlorobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2-Dichloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,2-Dichloropropane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,3,5-Trimethylbenzene	NELAP	8710		15300	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,3-Dichlorobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,3-Dichloropropane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1,4-Dichlorobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
1-Chlorobutane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
2,2-Dichloropropane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
2-Butanone	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
2-Chlorotoluene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
2-Hexanone	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
2-Nitropropane	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
4-Chlorotoluene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
4-Methyl-2-pentanone	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Acetone	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-004

Client Sample ID: P9-D1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acrolein	NELAP	174000		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Acrylonitrile	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Allyl chloride	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Benzene	NELAP	1740		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Bromobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Bromochloromethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Bromodichloromethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Bromoform	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Bromomethane	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Carbon disulfide	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Carbon tetrachloride	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Chlorobenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Chloroethane	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Chloroform	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Chloromethane	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
cis-1,2-Dichloroethene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
cis-1,3-Dichloropropene	NELAP	6960		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Cyclohexanone		174000		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Dibromochloromethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Dibromomethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Dichlorodifluoromethane	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Ethyl acetate	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Ethyl ether	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Ethyl methacrylate	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Ethylbenzene	NELAP	8710		130000	µg/Kg-dry	1000	06/07/2011 20:15	68779
Heptane		34800		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Hexachlorobutadiene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Hexachloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Iodomethane	NELAP	17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Isopropylbenzene	NELAP	8710		15900	µg/Kg-dry	1000	06/07/2011 20:15	68779
m,p-Xylenes	NELAP	8710		141000	µg/Kg-dry	1000	06/07/2011 20:15	68779
Methacrylonitrile	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Methyl Methacrylate	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Methyl tert-butyl ether	NELAP	3480		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Methylacrylate		17400		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Methylene chloride	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Naphthalene	NELAP	43500		668000	µg/Kg-dry	2500	06/07/2011 21:43	68779
n-Butylbenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
n-Hexane		34800		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Nitrobenzene	NELAP	174000		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
n-Propylbenzene	NELAP	8710		12600	µg/Kg-dry	1000	06/07/2011 20:15	68779
o-Xylene	NELAP	8710		88200	µg/Kg-dry	1000	06/07/2011 20:15	68779
Pentachloroethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
p-Isopropyltoluene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Propionitrile	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
sec-Butylbenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Styrene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-004

Client Sample ID: P9-D1-W (8)

Matrix: SOLID

Collection Date: 06/07/2011 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
tert-Butylbenzene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Tetrachloroethene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Tetrahydrofuran	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Toluene	NELAP	8710	J	3400	µg/Kg-dry	1000	06/07/2011 20:15	68779
trans-1,2-Dichloroethene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
trans-1,3-Dichloropropene	NELAP	6960		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Trichloroethene	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Trichlorofluoromethane	NELAP	8710		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Vinyl acetate	NELAP	87100		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Vinyl chloride	NELAP	3480		ND	µg/Kg-dry	1000	06/07/2011 20:15	68779
Surr: 1,2-Dichloroethane-d4		72.2-131		125.3	%REC	1000	06/07/2011 20:15	68779
Surr: 4-Bromofluorobenzene		82.1-116		106.2	%REC	1000	06/07/2011 20:15	68779
Surr: Dibromofluoromethane		77.7-120		113.4	%REC	1000	06/07/2011 20:15	68779
Surr: Toluene-d8		86-116		95.9	%REC	1000	06/07/2011 20:15	68779

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-005

Client Sample ID: 6773T060711

Matrix: AQUEOUS

Collection Date: 06/07/2011 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.67		1	06/08/2011 18:35	R150511
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		11	mg/L	1	06/08/2011 11:15	R150478
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		29	mg/L	1	06/08/2011 12:40	68807
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		0.037	mg/L	5	06/09/2011 10:42	R150557
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035	S	0.223	mg/L	5	06/09/2011 10:42	R150557
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/09/2011 20:34	68783
Barium	NELAP	0.0050	B	0.361	mg/L	1	06/09/2011 20:34	68783
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/09/2011 20:34	68783
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/09/2011 20:34	68783
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/09/2011 20:34	68783
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/09/2011 20:34	68783
<i>Ba - Sample result was more than 10 times the blank contamination. Data is reportable.</i>								
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	06/09/2011 16:08	68799
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/09/2011 0:00	68794
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Chrysene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Fluorene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Naphthalene	NELAP	0.00010		0.00032	mg/L	1	06/14/2011 5:09	68757
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 5:09	68757
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/14/2011 5:09	68757
Surr: 2-Fluorobiphenyl		34.3-105		64.2	%REC	1	06/14/2011 5:09	68757
Surr: 2-Fluorophenol		19.9-55.7		34.3	%REC	1	06/14/2011 5:09	68757
Surr: Nitrobenzene-d5		36.4-127		65.2	%REC	1	06/14/2011 5:09	68757
Surr: Phenol-d5		8.95-38.5		21.6	%REC	1	06/14/2011 5:09	68757
Surr: p-Terphenyl-d14		6.05-133		66.2	%REC	1	06/14/2011 5:09	68757

Acenaphthene LCS was outside upper QC limits. Sample results are below reporting limit - data is reportable.

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab ID: 11060325-005

Client Sample ID: 6773T060711

Matrix: AQUEOUS

Collection Date: 06/07/2011 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/07/2011 19:40	68805
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/07/2011 19:40	68805
Toluene	NELAP	5.0		ND	µg/L	1	06/07/2011 19:40	68805
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/07/2011 19:40	68805
Surr: 1,2-Dichloroethane-d4		74.7-129		100.7	%REC	1	06/07/2011 19:40	68805
Surr: 4-Bromofluorobenzene		86-119		99.9	%REC	1	06/07/2011 19:40	68805
Surr: Dibromofluoromethane		81.7-123		101.5	%REC	1	06/07/2011 19:40	68805
Surr: Toluene-d8		84.3-114		100.5	%REC	1	06/07/2011 19:40	68805



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060325-001	P9-E1-W (3)	Solid	5	06/07/2011 9:10
11060325-002	P9-E1-W (8)	Solid	5	06/07/2011 9:20
11060325-003	P9-D1-W (3)	Solid	5	06/07/2011 9:40
11060325-004	P9-D1-W (8)	Solid	5	06/07/2011 9:50
11060325-005	6773T060711	Aqueous	5	06/07/2011 10:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060325-001A	P9-E1-W (3)	06/07/2011 9:10	6/7/2011 3:00:00 PM	
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:22	06/14/2011 1:26
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:25	06/09/2011 19:51
11060325-001B	P9-E1-W (3)	06/07/2011 9:10	6/7/2011 3:00:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/08/2011 14:15
	Standard Methods 18th Ed. 2540 G			06/08/2011 14:15
	SW-846 3050B, 6010B, Metals by ICP		06/09/2011 14:23	06/13/2011 13:49
	SW-846 3050B, Metals by GFAA		06/09/2011 11:13	06/10/2011 11:44
	SW-846 7471A		06/08/2011 9:22	06/08/2011 10:00
	SW-846 9012A			06/09/2011 10:42
	SW-846 9012A (Total)			06/09/2011 10:42
11060325-001E	P9-E1-W (3)	06/07/2011 9:10	6/7/2011 3:00:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/07/2011 18:48
11060325-002A	P9-E1-W (8)	06/07/2011 9:20	6/7/2011 3:00:00 PM	
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:22	06/14/2011 2:03
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:22	06/14/2011 19:25
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:25	06/09/2011 20:23
11060325-002B	P9-E1-W (8)	06/07/2011 9:20	6/7/2011 3:00:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/08/2011 14:15
	Standard Methods 18th Ed. 2540 G			06/08/2011 14:15
	SW-846 3050B, 6010B, Metals by ICP		06/09/2011 14:23	06/13/2011 14:07
	SW-846 3050B, Metals by GFAA		06/09/2011 11:13	06/10/2011 12:04
	SW-846 7471A		06/08/2011 9:22	06/08/2011 10:00
	SW-846 9012A			06/09/2011 10:42
	SW-846 9012A (Total)			06/09/2011 10:42
11060325-002E	P9-E1-W (8)	06/07/2011 9:20	6/7/2011 3:00:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/07/2011 21:13
11060325-003A	P9-D1-W (3)	06/07/2011 9:40	6/7/2011 3:00:00 PM	
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:22	06/14/2011 3:54
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:25	06/09/2011 20:55
11060325-003B	P9-D1-W (3)	06/07/2011 9:40	6/7/2011 3:00:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/08/2011 14:15
	Standard Methods 18th Ed. 2540 G			06/08/2011 14:15
	SW-846 3050B, 6010B, Metals by ICP		06/09/2011 14:23	06/13/2011 14:12
	SW-846 3050B, Metals by GFAA		06/09/2011 11:13	06/10/2011 12:07
	SW-846 7471A		06/08/2011 9:22	06/08/2011 10:00
	SW-846 9012A			06/09/2011 10:42



Dates Report

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			06/09/2011 10:42
11060325-003E	P9-D1-W (3)	06/07/2011 9:40	6/7/2011 3:00:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/07/2011 19:18
11060325-004A	P9-D1-W (8)	06/07/2011 9:50	6/7/2011 3:00:00 PM	
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:22	06/14/2011 4:32
	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:22	06/14/2011 21:15
	SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 9:25	06/09/2011 22:31
11060325-004B	P9-D1-W (8)	06/07/2011 9:50	6/7/2011 3:00:00 PM	
	EPA SW846 3550C, 5035A, ASTM D2974			06/08/2011 14:15
	Standard Methods 18th Ed. 2540 G			06/08/2011 14:15
	SW-846 3050B, 6010B, Metals by ICP		06/09/2011 14:23	06/13/2011 14:29
	SW-846 3050B, Metals by GFAA		06/09/2011 11:13	06/10/2011 12:11
	SW-846 7471A		06/08/2011 9:22	06/08/2011 10:00
	SW-846 9012A			06/09/2011 10:42
	SW-846 9012A (Total)			06/09/2011 10:42
11060325-004E	P9-D1-W (8)	06/07/2011 9:50	6/7/2011 3:00:00 PM	
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/07/2011 20:15
	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS			06/07/2011 21:43
11060325-005A	6773T060711	06/07/2011 10:45	6/7/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/08/2011 8:48	06/14/2011 5:09
11060325-005B	6773T060711	06/07/2011 10:45	6/7/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/08/2011 18:35
	Standard Methods 18th Ed. 2540 D			06/08/2011 11:15
	Standard Methods 18th Ed. 5210 B		06/08/2011 12:40	06/08/2011 12:40
11060325-005C	6773T060711	06/07/2011 10:45	6/7/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/07/2011 19:16	06/09/2011 20:34
	SW-846 3020A, Metals by GFAA (Total)		06/08/2011 12:43	06/09/2011 16:08
	SW-846 7470A (Total)		06/08/2011 10:05	06/09/2011 0:00
11060325-005D	6773T060711	06/07/2011 10:45	6/7/2011 3:00:00 PM	
	SW-846 9012A			06/09/2011 10:42
	SW-846 9012A (Total)			06/09/2011 10:42
11060325-005E	6773T060711	06/07/2011 10:45	6/7/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/07/2011 19:40

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150511		SampType: LCS		Units							
SampID: LCS-R150511											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.8	06/08/2011	

Batch R150511		SampType: DUP		Units				RPD Limit 10			
SampID: 11060325-005BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.67				8.670	0.00	06/08/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150478		SampType: MBLK		Units mg/L							
SampID: MB-R150478											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						06/08/2011	

Batch R150478		SampType: LCS		Units mg/L						
SampID: LCS-R150478										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Suspended Solids		6		94	100	0	94.0	85	115	06/08/2011
Total Suspended Solids		6		94	100	0	94.0	85	115	06/08/2011
Total Suspended Solids		6		99	100	0	99.0	85	115	06/08/2011

Batch R150478		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11060325-005BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		10				11.00	9.52	06/08/2011	

STANDARD METHODS 18TH ED. 2540 G

Batch R150497		SampType: LCS		Units %						
SampID: LCS-R150497										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Solids		0.1		1.0	1.0	0	99.0	90	110	06/08/2011

Batch R150497		SampType: LCSQC		Units %						
SampID: LCSQC-R150497										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Solids		0.1		1.0	1.0	0	99.0	90	110	06/08/2011

Batch R150497		SampType: DUP		Units %				RPD Limit 15			
SampID: 11060325-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Solids		0.1		80.2				78.85	1.65	06/08/2011	

STANDARD METHODS 18TH ED. 5210 B

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

STANDARD METHODS 18TH ED. 5210 B

Batch 68807		SampType: LCS		Units mg/L						
SampID: LCS-68807										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		209	198	0	105.6	84.6	115.4	06/08/2011

Batch 68807		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11060325-005B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		5		27				29.00	7.14	06/08/2011

SW-846 9012A (TOTAL)

Batch R150557		SampType: MBLK	Units mg/L							
SampID: MB-R150557										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		< 0.007						06/09/2011	
Cyanide	0.01		< 0.01						06/09/2011	
Cyanide	0.008		< 0.008						06/09/2011	

Batch R150557		SampType: LCS		Units mg/Kg						
SampID: LCS-R150557									Date Analyzed	
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.01		0.02	0.02	0	98.5	85	115	06/09/2011	
Cyanide	0.01		0.02	0.02	0	98.7	85	115	06/09/2011	
Cyanide	0.007	S	0.021	0.025	0	83.4	85	115	06/09/2011	
Cyanide	0.007		0.025	0.025	0	99.2	90	110	06/09/2011	

Batch R150557		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-001BMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		3.23	S	10.2	1.58	10.62	-25.4	75	125	06/09/2011

Batch R150557		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		
SampID: 11060325-001BMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		3.17	R	12.5	1.58	10.62	119.8	10.22	20.24	06/09/2011

Batch R150557		SampType: MS		Units mg/L						
SampID: 11060325-005DMS										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.035	S	0.232	0.025	0.2234	33.8	75	125	06/09/2011

Batch R150557		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11060325-005DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035	S	0.233	0.025	0.2234	36.8	0.2319	0.32	06/09/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68783		SampType: MBLK		Units mg/L						
SampID: MB-68783										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250	S	< 0.0250	0.0250	0	0	-100	100	06/09/2011	
Barium	0.0050		0.0223	0.0050	0	446.0	-100	100	06/09/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/09/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/09/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/09/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/09/2011	

Batch 68783		SampType: LCS		Units mg/L						
SampID: LCS-68783										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250	B	2.00	2.00	0	100.2	85	115	06/09/2011	
Barium	0.0050		2.05	2.00	0	102.4	85	115	06/09/2011	
Cadmium	0.0020		0.0511	0.0500	0	102.2	85	115	06/09/2011	
Chromium	0.0100		0.209	0.200	0	104.3	85	115	06/09/2011	
Selenium	0.0500		2.03	2.00	0	101.3	85	115	06/09/2011	
Silver	0.0100		0.0511	0.0500	0	102.2	85	115	06/09/2011	

Batch 68783		SampType: MS		Units mg/L						
SampID: 11060325-005CMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250	B	2.01	2.00	0	100.5	75	125	06/09/2011	
Barium	0.0050		2.28	2.00	0.3614	96.1	75	125	06/09/2011	
Cadmium	0.0020		0.0485	0.0500	0	97.0	75	125	06/09/2011	
Chromium	0.0100		0.202	0.200	0	100.8	75	125	06/09/2011	
Selenium	0.0500		2.00	2.00	0	100	75	125	06/09/2011	
Silver	0.0100		0.0501	0.0500	0	100.2	75	125	06/09/2011	

Batch 68783		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11060325-005CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250	B	1.91	2.00	0	95.5	2.010	5.10	06/09/2011
Barium		0.0050		2.19	2.00	0.3614	91.6	2.284	4.02	06/09/2011
Cadmium		0.0020		0.0462	0.0500	0	92.4	0.04850	4.86	06/09/2011
Chromium		0.0100		0.191	0.200	0	95.4	0.2017	5.55	06/09/2011
Selenium		0.0500		1.91	2.00	0	95.4	2.000	4.71	06/09/2011
Silver		0.0100		0.0483	0.0500	0	96.6	0.05010	3.66	06/09/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68799		SampType: MBLK		Units mg/L						
SampID: MB-68799										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/09/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68799		SampType: LCS		Units mg/L						
SampID: LCS-68799										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0129	0.0150	0	86.1	80	120	06/09/2011

Batch 68799		SampType: MS		Units mg/L						
SampID: 11060325-005CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0133	0.0150	0.0006106	84.4	70	130	06/09/2011

Batch 68799		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11060325-005CMSD										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	7421	0.0020		0.0135	0.0150	0.0006106	86.2	0.01327	2.02	06/09/2011	

SW-846 3050B, 6010B, METALS BY ICP

Batch 68842		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-68842										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.50		< 2.50	2.50	0	0	-100	100	06/10/2011
Barium		0.50		< 0.50	0.50	0	0	-100	100	06/10/2011
Cadmium		0.20		< 0.20	0.20	0	0	-100	100	06/10/2011
Chromium		1.00		< 1.00	1.00	0	0	-100	100	06/10/2011
Lead		4.00		< 4.00	4.00	0	0	-100	100	06/10/2011
Silver		0.55		< 0.55	0.55	0	0	-100	100	06/10/2011

Batch 68842		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-68842										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		2.50		198	200	0	99.1	85	115	06/10/2011
Barium		0.50		197	200	0	98.5	85	115	06/10/2011
Cadmium		0.20		4.85	5.00	0	97.0	85	115	06/10/2011
Chromium		1.00		19.6	20.0	0	97.8	85	115	06/10/2011
Lead		4.00		47.8	50.0	0	95.7	85	115	06/10/2011
Silver		0.55		4.94	5.00	0	98.8	85	115	06/10/2011

Batch 68842		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-001BMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	2.50		198	200	12.73	92.7	75	125	06/13/2011	
Barium	0.50		354	200	161.0	96.6	75	125	06/13/2011	
Cadmium	0.20		4.70	5.00	0.1300	91.4	75	125	06/13/2011	
Chromium	1.00		47.9	20.0	25.02	114.6	75	125	06/13/2011	
Lead	4.00		60.2	50.0	13.95	92.4	75	125	06/13/2011	
Silver	0.55		4.71	5.00	0	94.2	75	125	06/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 3050B, 6010B, METALS BY ICP

Batch 68842		SampType: MSD		Units mg/Kg-dry				RPD Limit 20			
SampID: 11060325-001BMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Arsenic		2.50		204	200	12.73	95.6	198.2	2.88	06/13/2011	
Barium		0.50		372	200	161.0	105.4	354.2	4.88	06/13/2011	
Cadmium		0.20		4.82	5.00	0.1300	93.8	4.700	2.52	06/13/2011	
Chromium		1.00		49.9	20.0	25.02	124.4	47.93	4.05	06/13/2011	
Lead		4.00		62.1	50.0	13.95	96.2	60.17	3.11	06/13/2011	
Silver		0.55		4.80	5.00	0	96.0	4.710	1.89	06/13/2011	

Batch 68842		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-003BMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	2.50		203	200	14.00	94.4	75	125	06/13/2011	
Barium	0.50		380	200	208.5	86.0	75	125	06/13/2011	
Cadmium	0.20		4.96	5.00	0.3300	92.6	75	125	06/13/2011	
Chromium	1.00		45.2	20.0	25.46	98.7	75	125	06/13/2011	
Lead	4.00		61.8	50.0	15.44	92.8	75	125	06/13/2011	
Silver	0.55		4.74	5.00	0	94.8	75	125	06/13/2011	

Batch 68842		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 11060325-003BMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		2.50		213	200	14.00	99.6	202.8	4.95	06/13/2011
Barium		0.50		402	200	208.5	96.6	380.5	5.42	06/13/2011
Cadmium		0.20		5.22	5.00	0.3300	97.8	4.960	5.11	06/13/2011
Chromium		1.00		45.9	20.0	25.46	102.1	45.20	1.47	06/13/2011
Lead		4.00		64.6	50.0	15.44	98.4	61.84	4.41	06/13/2011
Silver		0.55		5.00	5.00	0	100	4.740	5.34	06/13/2011

SW-846 3050B, METALS BY GFAA

Batch 68828		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-68828										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		7740	0.600	< 0.600	0.600	0	0	-100	100	06/10/2011

Batch 68828		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-68828										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600		2.97	3.00	0	98.9	80	120	06/10/2011

Batch 68828		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-001BMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium	7740	0.600		2.43	3.00	0	81.0	70	130	06/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

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SW-846 3050B, METALS BY GFAA

Batch 68828		SampType: MSD	Units mg/Kg-dry					RPD Limit 20		
SampID: 11060325-001BMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium	7740	0.600		2.42	3.00	0	80.7	2.430	0.38	06/10/2011

SW-846 7470A (TOTAL)

Batch 68794		SampType: MBLK		Units mg/L						
SampID: MB-68794										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/09/2011

Batch 68794		SampType: LCS		Units mg/L						
SampID: LCS-68794										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00508	0.00500	0	101.6	85	115	06/09/2011

Batch 68794		SampType: MS		Units mg/L						
SampID: 11060325-005CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00492	0.00500	0	98.4	75	125	06/09/2011

Batch 68794		SampType: MSD		Units mg/L				RPD Limit 15		
SampleID: 11060325-005CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00496	0.00500	0	99.2	0.004920	0.81	06/09/2011

SW-846 7471A

Batch 68792		SampType: MBLK		Units mg/Kg						
SampID: MB-68792										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		< 0.010	0.010	0	0	-100	100	06/08/2011

Batch 68792		SampType: LCS		Units mg/Kg						
SampID: LCS-68792										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.010		0.278	0.250	0	111.0	85	115	06/08/2011

Batch 68792		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-003BMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.013		0.427	0.322	0.04514	118.4	75	125	06/08/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 7471A

Batch 68792		SampType: MSD		Units mg/Kg-dry				RPD Limit 15		
SampID: 11060325-003BMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.013		0.422	0.322	0.04514	116.8	0.4269	1.22	06/08/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68757	SampType: MBLK	Units mg/L								
SampID: MB-68757										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						06/07/2011	
Acenaphthylene	0.00010		ND						06/07/2011	
Anthracene	0.00010		ND						06/07/2011	
Benzo(a)anthracene	0.00010		ND						06/07/2011	
Benzo(a)pyrene	0.00010		ND						06/07/2011	
Benzo(b)fluoranthene	0.00010		ND						06/07/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/07/2011	
Benzo(k)fluoranthene	0.00010		ND						06/07/2011	
Chrysene	0.00010		ND						06/07/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/07/2011	
Fluoranthene	0.00010		ND						06/07/2011	
Fluorene	0.00010		ND						06/07/2011	
Indeno(1,2,3-cd)pyrene	0.00010		ND						06/07/2011	
Naphthalene	0.00010		ND						06/07/2011	
Phenanthrene	0.00010		ND						06/07/2011	
Pyrene	0.00010		ND						06/07/2011	
Surr: 2-Fluorobiphenyl			0.00383	0.00500		76.6	45.4	97.6	06/07/2011	
Surr: Nitrobenzene-d5			0.00314	0.00500		62.8	45.2	108	06/07/2011	
Surr: p-Terphenyl-d14			0.00483	0.00500		96.6	46	127	06/07/2011	

Batch 68757		SampType: LCS		Units mg/L						
SampID: LCS-68757										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010	S	0.00566	0.00500	0	113.2	50.1	103	06/07/2011	
Acenaphthylene	0.00010		0.00495	0.00500	0	98.9	53.3	122	06/07/2011	
Anthracene	0.00010		0.00518	0.00500	0	103.7	57.4	110	06/07/2011	
Benzo(a)anthracene	0.00010		0.00502	0.00500	0	100.4	56	102	06/07/2011	
Benzo(a)pyrene	0.00010		0.00609	0.00500	0	121.8	55.4	125	06/07/2011	
Benzo(b)fluoranthene	0.00010		0.00627	0.00500	0	125.4	59.3	127	06/07/2011	
Benzo(g,h,i)perylene	0.00010		0.00440	0.00500	0	87.9	58.4	125	06/07/2011	
Benzo(k)fluoranthene	0.00010		0.00608	0.00500	0	121.6	61.5	125	06/07/2011	
Chrysene	0.00010		0.00534	0.00500	0	106.8	58.7	118	06/07/2011	
Dibenzo(a,h)anthracene	0.00010		0.00510	0.00500	0	102.1	59.3	126	06/07/2011	
Fluoranthene	0.00010		0.00547	0.00500	0	109.4	60.1	117	06/07/2011	
Fluorene	0.00010		0.00439	0.00500	0	87.9	54.1	110	06/07/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00515	0.00500	0	103.1	58.1	123	06/07/2011	
Naphthalene	0.00010		0.00428	0.00500	0	85.6	36.3	97.1	06/07/2011	
Phenanthrene	0.00010		0.00497	0.00500	0	99.4	55.9	107	06/07/2011	
Pyrene	0.00010		0.00553	0.00500	0	110.7	61.4	116	06/07/2011	
Surr: 2-Fluorobiphenyl			0.00362	0.00500		72.4	45.4	97.6	06/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

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SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68757		SampType: LCS		Units mg/L						
SampID: LCS-68757										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Surr: Nitrobenzene-d5			0.00291	0.00500		58.2	45.2	108	06/07/2011	
Surr: p-Terphenyl-d14			0.00455	0.00500		90.9	46	127	06/07/2011	

Batch 68757	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68757									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00453	0.00500	0	90.5	0.005661	22.26	06/07/2011
Acenaphthylene	0.00010		0.00482	0.00500	0	96.4	0.004945	2.52	06/07/2011
Anthracene	0.00010		0.00521	0.00500	0	104.2	0.005183	0.48	06/07/2011
Benzo(a)anthracene	0.00010		0.00492	0.00500	0	98.3	0.005020	2.09	06/07/2011
Benzo(a)pyrene	0.00010		0.00602	0.00500	0	120.4	0.006091	1.19	06/07/2011
Benzo(b)fluoranthene	0.00010		0.00612	0.00500	0	122.3	0.006269	2.47	06/07/2011
Benzo(g,h,i)perylene	0.00010		0.00431	0.00500	0	86.2	0.004396	1.93	06/07/2011
Benzo(k)fluoranthene	0.00010		0.00603	0.00500	0	120.5	0.006081	0.89	06/07/2011
Chrysene	0.00010		0.00529	0.00500	0	105.8	0.005341	1.00	06/07/2011
Dibenzo(a,h)anthracene	0.00010		0.00505	0.00500	0	101.1	0.005103	0.96	06/07/2011
Fluoranthene	0.00010		0.00536	0.00500	0	107.1	0.005471	2.12	06/07/2011
Fluorene	0.00010		0.00436	0.00500	0	87.3	0.004394	0.66	06/07/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00510	0.00500	0	102.0	0.005154	1.07	06/07/2011
Naphthalene	0.00010		0.00421	0.00500	0	84.2	0.004282	1.65	06/07/2011
Phenanthrene	0.00010		0.00487	0.00500	0	97.5	0.004969	1.93	06/07/2011
Pyrene	0.00010		0.00547	0.00500	0	109.3	0.005534	1.24	06/07/2011
Surr: 2-Fluorobiphenyl			0.00339	0.00500		67.8			06/07/2011
Surr: Nitrobenzene-d5			0.00272	0.00500		54.5			06/07/2011
Surr: p-Terphenyl-d14			0.00441	0.00500		88.2			06/07/2011

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68781	SampType: MBLK	Units mg/Kg								
SampID: MB-68781										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.003		ND						06/08/2011	
Acenaphthylene	0.003		ND						06/08/2011	
Anthracene	0.003		ND						06/08/2011	
Benzo(a)anthracene	0.003		ND						06/08/2011	
Benzo(a)pyrene	0.003		ND						06/08/2011	
Benzo(b)fluoranthene	0.003		ND						06/08/2011	
Benzo(g,h,i)perylene	0.003		ND						06/08/2011	
Benzo(k)fluoranthene	0.003		ND						06/08/2011	
Bis(2-ethylhexyl)phthalate	0.067		ND						06/08/2011	
Chrysene	0.003		ND						06/08/2011	
Dibenzo(a,h)anthracene	0.003		ND						06/08/2011	
Fluoranthene	0.003		ND						06/08/2011	
Fluorene	0.003		ND						06/08/2011	
Indeno(1,2,3-cd)pyrene	0.003		ND						06/08/2011	
Naphthalene	0.003		ND						06/08/2011	
Phenanthrene	0.003		ND						06/08/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68781		SampType: MBLK		Units mg/Kg						
SampID: MB-68781										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Pyrene		0.003		ND						06/08/2011
Surr: 2-Fluorobiphenyl				0.112	0.167		66.9	45.7	89.2	06/08/2011
Surr: Nitrobenzene-d5				0.089	0.167		53.1	31.4	100	06/08/2011
Surr: p-Terphenyl-d14				0.133	0.167		79.6	53.3	124	06/08/2011

Batch 68781		SampType: LCS		Units mg/Kg						
SampID: LCS-68781										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.003		0.191	0.167	0	114.3	56.3	115	06/08/2011	
Acenaphthylene	0.003		0.162	0.167	0	97.0	60.3	143	06/08/2011	
Anthracene	0.003		0.156	0.167	0	93.6	52.1	109	06/08/2011	
Benzo(a)anthracene	0.003		0.162	0.167	0	96.9	52.8	112	06/08/2011	
Benzo(a)pyrene	0.003		0.182	0.167	0	109.0	40.8	127	06/08/2011	
Benzo(b)fluoranthene	0.003		0.202	0.167	0	120.7	50.1	150	06/08/2011	
Benzo(g,h,i)perylene	0.003		0.197	0.167	0	117.8	52.8	145	06/08/2011	
Benzo(k)fluoranthene	0.003		0.198	0.167	0	118.3	52	153	06/08/2011	
Bis(2-ethylhexyl)phthalate	0.067		0.245	0.167	0	146.7	50	150	06/08/2011	
Chrysene	0.003		0.176	0.167	0	105.6	60.8	128	06/08/2011	
Dibenzo(a,h)anthracene	0.003		0.201	0.167	0	120.5	54.9	150	06/08/2011	
Fluoranthene	0.003		0.173	0.167	0	103.8	58.7	125	06/08/2011	
Fluorene	0.003		0.147	0.167	0	87.8	57.8	125	06/08/2011	
Indeno(1,2,3-cd)pyrene	0.003		0.207	0.167	0	123.8	52	147	06/08/2011	
Naphthalene	0.003		0.145	0.167	0	86.8	54.8	113	06/08/2011	
Phenanthrene	0.003		0.160	0.167	0	95.6	60.4	121	06/08/2011	
Pyrene	0.003		0.175	0.167	0	105.0	57.9	129	06/08/2011	
Surr: 2-Fluorobiphenyl			0.097	0.167		57.8	45.7	89.2	06/08/2011	
Surr: Nitrobenzene-d5			0.074	0.167		44.3	31.4	100	06/08/2011	
Surr: p-Terphenyl-d14			0.137	0.167		81.9	53.3	124	06/08/2011	

Batch 68781		SampType: MS		Units mg/Kg-dry					
SampID: 11060325-002AMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.104	S	0.399	0.205	0	194.6	36	135	06/14/2011
Acenaphthylene	0.104		0.317	0.205	0	154.7	17.2	167	06/14/2011
Anthracene	0.104	S	0.327	0.205	0	159.7	39.3	124	06/14/2011
Benzo(a)anthracene	0.104		0.337	0.205	0	164.7	10	183	06/14/2011
Benzo(a)pyrene	0.104		0.276	0.205	0	134.7	10	204	06/14/2011
Benzo(b)fluoranthene	0.104		0.266	0.205	0	129.7	10.6	178	06/14/2011
Benzo(g,h,i)perylene	0.104		0.255	0.205	0	124.8	10	168	06/14/2011
Benzo(k)fluoranthene	0.104		0.245	0.205	0	119.8	27.6	181	06/14/2011
Bis(2-ethylhexyl)phthalate	0.082		0.261	0.205	0	127.3	50	150	06/14/2011
Chrysene	0.104		0.307	0.205	0	149.7	10	176	06/14/2011
Dibenzo(a,h)anthracene	0.104		0.204	0.205	0	99.8	12.2	156	06/14/2011
Fluoranthene	0.104		0.337	0.205	0	164.7	10	227	06/14/2011
Fluorene	0.104	S	0.460	0.205	0	224.6	35.2	148	06/14/2011
Indeno(1,2,3-cd)pyrene	0.104		0.225	0.205	0	109.8	10	164	06/14/2011

Client: PSC Industrial Outsourcing, LP

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SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68781		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-002AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Naphthalene	0.104		0.245	0.205	0	119.8	14.7	128	06/14/2011	
Phenanthrene	0.104	S	0.317	0.205	0	154.7	32.8	143	06/14/2011	
Pyrene	0.104	S	0.460	0.205	0	224.6	10	180	06/14/2011	
Surr: 2-Fluorobiphenyl			0.153	0.205		74.9	10	131	06/14/2011	
Surr: Nitrobenzene-d5			0.133	0.205		64.9	10	132	06/14/2011	
Surr: p-Terphenyl-d14			0.143	0.205		69.9	30.6	131	06/14/2011	

Batch 68781	SampType: MSD	Units mg/Kg-dry						RPD Limit 49.7		
SampID: 11060325-002AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Acenaphthene	0.105	S	0.278	0.206	0	134.7	0.3986	35.69	06/14/2011	
Acenaphthylene	0.105		0.247	0.206	0	119.8	0.3168	24.77	06/14/2011	
Anthracene	0.105		0.309	0.206	0	149.7	0.3270	5.76	06/14/2011	
Benzo(a)anthracene	0.105		0.340	0.206	0	164.7	0.3372	0.70	06/14/2011	
Benzo(a)pyrene	0.105		0.278	0.206	0	134.7	0.2759	0.70	06/14/2011	
Benzo(b)fluoranthene	0.105		0.257	0.206	0	124.8	0.2657	3.23	06/14/2011	
Benzo(g,h,i)perylene	0.105		0.257	0.206	0	124.8	0.2555	0.70	06/14/2011	
Benzo(k)fluoranthene	0.105		0.247	0.206	0	119.8	0.2453	0.70	06/14/2011	
Bis(2-ethylhexyl)phthalate	0.083		0.250	0.206	0	121.4	0.2608	4.12	06/14/2011	
Chrysene	0.105	S	0.298	0.206	0	144.7	0.3066	2.69	06/14/2011	
Dibenzo(a,h)anthracene	0.105		0.206	0.206	0	99.8	0.2044	0.70	06/14/2011	
Fluoranthene	0.105		0.329	0.206	0	159.7	0.3372	2.38	06/14/2011	
Fluorene	0.105		0.298	0.206	0	144.7	0.4599	42.58	06/14/2011	
Indeno(1,2,3-cd)pyrene	0.105		0.237	0.206	0	114.8	0.2248	5.14	06/14/2011	
Naphthalene	0.105		0.237	0.206	0	114.8	0.2453	3.56	06/14/2011	
Phenanthrene	0.105		0.247	0.206	0	119.8	0.3168	24.77	06/14/2011	
Pyrene	0.105		0.443	0.206	0	214.6	0.4599	3.85	06/14/2011	
Surr: 2-Fluorobiphenyl			0.123	0.206		59.9			06/14/2011	
Surr: Nitrobenzene-d5			0.175	0.206		84.8			06/14/2011	
Surr: p-Terphenyl-d14		0.144	0.206		69.9			06/14/2011		

Batch 68793		SampType: MBLK		Units %REC						
SampID: MB-68793										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl				0.670	0.835		80.2	46.3	106	06/08/2011
Surr: Nitrobenzene-d5				0.676	0.835		81.0	42.4	99.2	06/08/2011
Surr: p-Terphenyl-d14				0.832	0.835		99.6	45.5	115	06/08/2011

Batch 68793		SampType: LCS		Units %REC						
SampID: LCS-68793										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Surr: 2-Fluorobiphenyl			0.633	0.835		75.8	46.3	106	06/08/2011	
Surr: Nitrobenzene-d5			0.821	0.835		98.3	42.4	99.2	06/08/2011	
Surr: p-Terphenyl-d14			0.789	0.835		94.5	45.5	115	06/08/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68793		SampType: LCS		Units %REC						Date Analyzed
SampID: LCSDRO-68793										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Surr: 2-Fluorobiphenyl			0.420	0.835		50.3	46.3	106	06/08/2011	
Surr: Nitrobenzene-d5			0.380	0.835		45.4	42.4	99.2	06/08/2011	
Surr: p-Terphenyl-d14			0.542	0.835		64.9	45.5	115	06/08/2011	

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68793		SampType: MBLK		Units mg/Kg						Date Analyzed
SampID: MB-68793										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
1,2,4-Trichlorobenzene	0.500		ND						06/09/2011	
1,2-Dichlorobenzene	0.500		ND						06/09/2011	
1,3-Dichlorobenzene	0.500		ND						06/09/2011	
1,4-Dichlorobenzene	0.500		ND						06/09/2011	
2,4,5-Trichlorophenol	0.350		ND						06/09/2011	
2,4,6-Trichlorophenol	0.350		ND						06/09/2011	
2,4-Dichlorophenol	0.500		ND						06/09/2011	
2,4-Dimethylphenol	0.500		ND						06/09/2011	
2,4-Dinitrophenol	1.00		ND						06/09/2011	
2,4-Dinitrotoluene	0.350		ND						06/09/2011	
2,6-Dinitrotoluene	0.350		ND						06/09/2011	
2-Chloronaphthalene	0.350		ND						06/09/2011	
2-Chlorophenol	0.500		ND						06/09/2011	
2-Methoxy-4-methylphenol	0.650		ND						06/09/2011	
2-Methylnaphthalene	0.350		ND						06/09/2011	
2-Nitroaniline	1.00		ND						06/09/2011	
2-Nitrophenol	0.350		ND						06/09/2011	
3,3'-Dichlorobenzidine	0.350		ND						06/09/2011	
3-Nitroaniline	1.00		ND						06/09/2011	
4,6-Dinitro-2-methylphenol	1.00		ND						06/09/2011	
4-Bromophenyl phenyl ether	0.350		ND						06/09/2011	
4-Chloro-3-methylphenol	0.500		ND						06/09/2011	
4-Chloroaniline	0.500		ND						06/09/2011	
4-Chlorophenyl phenyl ether	0.350		ND						06/09/2011	
4-Nitroaniline	0.500		ND						06/09/2011	
4-Nitrophenol	0.350		ND						06/09/2011	
Aniline	0.500		ND						06/09/2011	
Azobenzene	0.350		ND						06/09/2011	
Benzidine	1.06		ND						06/09/2011	
Benzoic acid	1.50		ND						06/09/2011	
Benzyl alcohol	0.500		ND						06/09/2011	
Bis(2-chloroethoxy)methane	0.350		ND						06/09/2011	
Bis(2-chloroethyl)ether	0.500		ND						06/09/2011	
Bis(2-chloroisopropyl)ether	0.350		ND						06/09/2011	
Butyl benzyl phthalate	0.350		ND						06/09/2011	
Carbazole	0.500		ND						06/09/2011	
Dibenzofuran	0.350		ND						06/09/2011	
Diethyl phthalate	0.500		ND						06/09/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68793		SampType: MBLK		Units mg/Kg						
SampID: MB-68793										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Dimethyl phthalate	0.350		ND						06/09/2011	
Di-n-butyl phthalate	0.350		ND						06/09/2011	
Di-n-octyl phthalate	0.350		ND						06/09/2011	
Hexachlorobenzene	0.350		ND						06/09/2011	
Hexachlorobutadiene	0.500		ND						06/09/2011	
Hexachlorocyclopentadiene	0.350		ND						06/09/2011	
Hexachloroethane	0.500		ND						06/09/2011	
Isophorone	0.350		ND						06/09/2011	
m,p-Cresol	0.500		ND						06/09/2011	
Nitrobenzene	0.500		ND						06/09/2011	
N-Nitrosodimethylamine	0.500		ND						06/09/2011	
N-Nitroso-di-n-propylamine	0.500		ND						06/09/2011	
N-Nitrosodiphenylamine	0.500		ND						06/09/2011	
o-Cresol	0.500		ND						06/09/2011	
Pentachlorophenol	2.00		ND						06/09/2011	
Phenol	0.350		ND						06/09/2011	
Pyridine	0.500		ND						06/09/2011	
1,2-Diphenylhydrazine	0.840		ND						06/09/2011	
Surr: 2,4,6-Tribromophenol			1.59	1.67		95.2	52.1	113	06/09/2011	
Surr: 2-Fluorobiphenyl			0.663	0.835		79.4	46.3	106	06/09/2011	
Surr: 2-Fluorophenol			1.21	1.67		72.2	50.6	89	06/09/2011	
Surr: Nitrobenzene-d5			0.671	0.835		80.4	42.4	99.2	06/09/2011	
Surr: Phenol-d5			1.21	1.67		72.5	55.9	98.5	06/09/2011	
Surr: p-Terphenyl-d14			0.848	0.835		101.5	45.5	115	06/09/2011	

Batch 68793		SampType: LCS		Units mg/Kg						
SampID: LCS-68793										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,2,4-Trichlorobenzene	0.500		1.29	1.67	0	77.1	43.9	92.2	06/09/2011	
1,4-Dichlorobenzene	0.500		1.20	1.67	0	72.0	43.8	84.1	06/09/2011	
2,4,5-Trichlorophenol	0.350		3.16	3.33	0	94.9	38.6	123	06/09/2011	
2,4,6-Trichlorophenol	0.350		3.21	3.33	0	96.5	35.9	123	06/09/2011	
2,4-Dimethylphenol	0.500		2.63	3.33	0	78.9	38.3	88	06/09/2011	
2,4-Dinitrophenol	1.00		3.27	3.33	0	98.3	1.88	162	06/09/2011	
2,4-Dinitrotoluene	0.350		1.54	1.67	0	92.0	48.6	102	06/09/2011	
2-Chlorophenol	0.500		2.53	3.33	0	76.0	46.6	84	06/09/2011	
4-Chloro-3-methylphenol	0.500		3.15	3.33	0	94.7	51.5	94.9	06/09/2011	
4-Nitrophenol	0.350	S	4.91	3.33	0	147.3	53.2	104	06/09/2011	
Diethyl phthalate	0.500		3.39	3.33	0	101.7	51.7	106	06/09/2011	
Dimethyl phthalate	0.350		2.94	3.33	0	88.4	58.8	104	06/09/2011	
Di-n-butyl phthalate	0.350		1.58	1.67	0	94.6	54.3	105	06/09/2011	
Hexachlorobenzene	0.350		3.08	3.33	0	92.4	55.9	106	06/09/2011	
Hexachlorobutadiene	0.500		2.91	3.33	0	87.5	35.7	100	06/09/2011	
Hexachloroethane	0.500		2.63	3.33	0	79.0	38.9	89.9	06/09/2011	
m,p-Cresol	0.500		1.28	1.67	0	76.9	37.6	93.7	06/09/2011	
Nitrobenzene	0.500		2.47	3.33	0	74.1	51.8	104	06/09/2011	
N-Nitroso-di-n-propylamine	0.500		1.20	1.67	0	71.6	49.1	94.5	06/09/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

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SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68793		SampType: LCS		Units mg/Kg						
SampID: LCS-68793										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
o-Cresol	0.500		1.28	1.67	0	76.5	43	101	06/09/2011	
Pentachlorophenol	2.00		2.90	3.33	0	87.0	42.2	102	06/09/2011	
Phenol	0.350		2.38	3.33	0	71.4	41.6	81.3	06/09/2011	
Pyridine	0.500		1.66	3.33	0	49.8	3.61	74.3	06/09/2011	
Surr: 2,4,6-Tribromophenol			1.63	1.67		97.4	52.1	113	06/09/2011	
Surr: 2-Fluorobiphenyl			0.637	0.835		76.3	46.3	106	06/09/2011	
Surr: 2-Fluorophenol			1.14	1.67		68.3	50.6	89	06/09/2011	
Surr: Nitrobenzene-d5			0.594	0.835		71.1	42.4	99.2	06/09/2011	
Surr: Phenol-d5			1.17	1.67		69.8	55.9	98.5	06/09/2011	
Surr: p-Terphenyl-d14			0.787	0.835		94.2	45.5	115	06/09/2011	

Batch 68793		SampType: MS		Units mg/Kg-dry						
SampID: 11060325-003AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,2,4-Trichlorobenzene	0.653	S	1.48	2.18	0	68.0	35.9	102	06/09/2011	
1,4-Dichlorobenzene	0.653		1.32	2.18	0	60.7	29.8	95.5	06/09/2011	
2,4,5-Trichlorophenol	0.457		3.78	4.35	0	86.9	38.6	123	06/09/2011	
2,4,6-Trichlorophenol	0.457		3.78	4.35	0	86.9	35.9	123	06/09/2011	
2,4-Dimethylphenol	0.653		2.60	4.35	0	59.7	38.3	88	06/09/2011	
2,4-Dinitrophenol	1.31		3.21	4.35	0	73.8	1.88	162	06/09/2011	
2,4-Dinitrotoluene	0.457		1.93	2.18	0	88.5	37.5	107	06/09/2011	
2-Chlorophenol	0.653		2.53	4.35	0	58.3	22.6	108	06/09/2011	
4-Chloro-3-methylphenol	0.653		3.80	4.35	0	87.4	19.3	131	06/09/2011	
4-Nitrophenol	0.457		6.43	4.35	0	148.0	27.6	123	06/09/2011	
Diethyl phthalate	0.653		4.33	4.35	0	99.5	51.7	106	06/09/2011	
Dimethyl phthalate	0.457		3.81	4.35	0	87.6	58.8	104	06/09/2011	
Di-n-butyl phthalate	0.457		1.98	2.18	0	91.0	54.3	105	06/09/2011	
Hexachlorobenzene	0.457		3.76	4.35	0	86.4	55.9	106	06/09/2011	
Hexachlorobutadiene	0.653		3.23	4.35	0	74.3	35.7	100	06/09/2011	
Hexachloroethane	0.653		2.77	4.35	0	63.8	38.9	89.9	06/09/2011	
m,p-Cresol	0.653		1.37	2.18	0	62.7	37.6	93.7	06/09/2011	
Nitrobenzene	0.653		2.87	4.35	0	66.0	51.8	104	06/09/2011	
N-Nitroso-di-n-propylamine	0.653		1.49	2.18	0	68.5	45.5	99.1	06/09/2011	
o-Cresol	0.653		1.35	2.18	0	61.9	43	101	06/09/2011	
Pentachlorophenol	2.61	3.27	4.35	0	75.2	18.5	113	06/09/2011		
Phenol	0.457	2.55	4.35	0	58.7	20.8	110	06/09/2011		
Pyridine	0.653	1.61	4.35	0	36.9	3.61	74.3	06/09/2011		
Surr: 2,4,6-Tribromophenol		1.79	2.18		81.9	32.7	130	06/09/2011		
Surr: 2-Fluorobiphenyl		0.614	1.09		56.3	34.1	116	06/09/2011		
Surr: 2-Fluorophenol		1.10	2.18		50.3	30.5	99	06/09/2011		
Surr: Nitrobenzene-d5		0.646	1.09		59.2	34.1	101	06/09/2011		
Surr: Phenol-d5		1.22	2.18		56.0	34.9	110	06/09/2011		
Surr: p-Terphenyl-d14		0.938	1.09		86.1	41.7	124	06/09/2011		

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

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Report Date: 16-Jun-11

SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68793		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		
SampID: 11060325-003AMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
1,2,4-Trichlorobenzene		0.651		1.28	2.17	0	58.8	1.483	14.84	06/09/2011
1,4-Dichlorobenzene		0.651		1.14	2.17	0	52.4	1.324	15.01	06/09/2011
2,4,5-Trichlorophenol		0.456		3.48	4.33	0	80.3	3.778	8.23	06/09/2011
2,4,6-Trichlorophenol		0.456		3.53	4.33	0	81.4	3.777	6.83	06/09/2011
2,4-Dimethylphenol		0.651		2.36	4.33	0	54.5	2.598	9.49	06/09/2011
2,4-Dinitrophenol		1.30		3.20	4.33	0	73.8	3.209	0.39	06/09/2011
2,4-Dinitrotoluene		0.456		1.86	2.17	0	85.4	1.931	3.90	06/09/2011
2-Chlorophenol		0.651		2.12	4.33	0	48.9	2.534	17.79	06/09/2011
4-Chloro-3-methylphenol		0.651		3.52	4.33	0	81.1	3.800	7.74	06/09/2011
4-Nitrophenol		0.456	S	6.06	4.33	0	139.8	6.435	6.01	06/09/2011
Diethyl phthalate		0.651		4.11	4.33	0	94.7	4.327	5.25	06/09/2011
Dimethyl phthalate		0.456		3.62	4.33	0	83.4	3.809	5.18	06/09/2011
Di-n-butyl phthalate		0.456		1.93	2.17	0	88.7	1.984	2.91	06/09/2011
Hexachlorobenzene		0.456		3.68	4.33	0	84.9	3.757	2.05	06/09/2011
Hexachlorobutadiene		0.651		2.68	4.33	0	61.9	3.233	18.55	06/09/2011
Hexachloroethane		0.651		2.33	4.33	0	53.7	2.773	17.40	06/09/2011
m,p-Cresol		0.651		1.23	2.17	0	56.6	1.368	10.58	06/09/2011
Nitrobenzene		0.651		2.51	4.33	0	57.9	2.869	13.38	06/09/2011
N-Nitroso-di-n-propylamine		0.651		1.31	2.17	0	60.4	1.493	12.82	06/09/2011
o-Cresol		0.651		1.19	2.17	0	54.6	1.350	12.78	06/09/2011
Pentachlorophenol		2.60		3.23	4.33	0	74.5	3.268	1.21	06/09/2011
Phenol		0.456		2.25	4.33	0	51.9	2.553	12.64	06/09/2011
Pyridine		0.651		1.46	4.33	0	33.7	1.606	9.56	06/09/2011
Surr: 2,4,6-Tribromophenol				1.57	2.17		72.3			06/09/2011
Surr: 2-Fluorobiphenyl				0.455	1.09		41.9			06/09/2011
Surr: 2-Fluorophenol				0.858	2.17		39.5			06/09/2011
Surr: Nitrobenzene-d5				0.528	1.09		48.5			06/09/2011
Surr: Phenol-d5				1.03	2.17		47.3			06/09/2011
Surr: p-Terphenyl-d14				0.881	1.09		81.0			06/09/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68805		SampType: MBLK		Units µg/L						
SampID: MBLK-T110607-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						06/07/2011
Ethylbenzene		5.0		ND						06/07/2011
Toluene		5.0		ND						06/07/2011
Xylenes, Total		5.0		ND						06/07/2011
Surr: 1,2-Dichloroethane-d4				50.5	50.0		100.9	74.7	129	06/07/2011
Surr: 4-Bromofluorobenzene				49.8	50.0		99.5	86	119	06/07/2011
Surr: Dibromofluoromethane				50.4	50.0		100.8	81.7	123	06/07/2011
Surr: Toluene-d8				49.4	50.0		98.7	84.3	114	06/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

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Report Date: 16-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68805		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110607-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		48.8	50.0	0	97.6	49.19	0.82	06/07/2011	
Ethylbenzene	5.0		46.4	50.0	0	92.8	48.25	3.89	06/07/2011	
Toluene	5.0		47.1	50.0	0	94.2	47.83	1.54	06/07/2011	
Xylenes, Total	5.0		144	150	0	95.7	149.0	3.71	06/07/2011	
Surr: 1,2-Dichloroethane-d4			51.9	50.0		103.8			06/07/2011	
Surr: 4-Bromofluorobenzene			48.4	50.0		96.8			06/07/2011	
Surr: Dibromofluoromethane			51.2	50.0		102.3			06/07/2011	
Surr: Toluene-d8			49.7	50.0		99.5			06/07/2011	

Batch 68805		SampType: LCS		Units µg/L						
SampID: LCS-T110607-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene		2.0		49.2	50.0	0	98.4	82.7	117	06/07/2011
Ethylbenzene		5.0		48.2	50.0	0	96.5	83	113	06/07/2011
Toluene		5.0		47.8	50.0	0	95.7	79.6	116	06/07/2011
Xylenes, Total		5.0		149	150	0	99.3	80.3	120	06/07/2011
Surr: 1,2-Dichloroethane-d4				51.9	50.0		103.7	74.7	129	06/07/2011
Surr: 4-Bromofluorobenzene				50.8	50.0		101.5	86	119	06/07/2011
Surr: Dibromofluoromethane				51.4	50.0		102.9	81.7	123	06/07/2011
Surr: Toluene-d8				49.8	50.0		99.6	84.3	114	06/07/2011

Batch 68805		SampType: MS		Units µg/L					
SampID: 11060325-005EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		61.4	60.0	0	102.3	57.8	125	06/07/2011
Ethylbenzene	5.0		64.3	60.0	0	107.1	72.8	123	06/07/2011
Toluene	5.0		61.5	60.0	0	102.5	75.8	123	06/07/2011
Xylenes, Total	5.0		125	120	0	104.0	73	127	06/07/2011
Surr: 1,2-Dichloroethane-d4			50.0	50.0		100	74.7	129	06/07/2011
Surr: 4-Bromofluorobenzene			49.6	50.0		99.3	86	119	06/07/2011
Surr: Dibromofluoromethane			49.1	50.0		98.2	81.7	123	06/07/2011
Surr: Toluene-d8			49.8	50.0		99.5	84.3	114	06/07/2011

Batch 68805		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11060325-005EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		61.5	60.0	0	102.5	61.38	0.23	06/07/2011	
Ethylbenzene	5.0		64.4	60.0	0	107.4	64.28	0.20	06/07/2011	
Toluene	5.0		61.7	60.0	0	102.9	61.49	0.41	06/07/2011	
Xylenes, Total	5.0		125	120	0	104.2	124.7	0.21	06/07/2011	
Surr: 1,2-Dichloroethane-d4			49.0	50.0		98.1			06/07/2011	
Surr: 4-Bromofluorobenzene			50.6	50.0		101.2			06/07/2011	
Surr: Dibromofluoromethane			49.1	50.0		98.2			06/07/2011	
Surr: Toluene-d8			49.2	50.0		98.3			06/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68779	SampType: MBLK	Units µg/Kg								
SampID: MBLK-G110607-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1,1,2-Tetrachloroethane	5.00		ND							06/07/2011
1,1,1-Trichloroethane	5.00		ND							06/07/2011
1,1,2,2-Tetrachloroethane	5.00		ND							06/07/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		ND							06/07/2011
1,1,2-Trichloroethane	5.00		ND							06/07/2011
1,1-Dichloro-2-propanone	50.0		ND							06/07/2011
1,1-Dichloroethane	5.00		ND							06/07/2011
1,1-Dichloroethene	5.00		ND							06/07/2011
1,1-Dichloropropene	5.00		ND							06/07/2011
1,2,3-Trichlorobenzene	5.00		ND							06/07/2011
1,2,3-Trichloropropane	10.0		ND							06/07/2011
1,2,3-Trimethylbenzene	5.00		ND							06/07/2011
1,2,4-Trichlorobenzene	5.00		ND							06/07/2011
1,2,4-Trimethylbenzene	5.00		ND							06/07/2011
1,2-Dibromo-3-chloropropane	5.00		ND							06/07/2011
1,2-Dibromoethane	5.00		ND							06/07/2011
1,2-Dichlorobenzene	5.00		ND							06/07/2011
1,2-Dichloroethane	5.00		ND							06/07/2011
1,2-Dichloropropane	5.00		ND							06/07/2011
1,3,5-Trimethylbenzene	5.00		ND							06/07/2011
1,3-Dichlorobenzene	5.00		ND							06/07/2011
1,3-Dichloropropane	5.00		ND							06/07/2011
1,4-Dichlorobenzene	5.00		ND							06/07/2011
1-Chlorobutane	5.00		ND							06/07/2011
2,2-Dichloropropane	5.00		ND							06/07/2011
2-Butanone	50.0		ND							06/07/2011
2-Chlorotoluene	5.00		ND							06/07/2011
2-Hexanone	50.0		ND							06/07/2011
2-Nitropropane	50.0		ND							06/07/2011
4-Chlorotoluene	5.00		ND							06/07/2011
4-Methyl-2-pentanone	50.0		ND							06/07/2011
Acetone	50.0		ND							06/07/2011
Acrolein	100		ND							06/07/2011
Acrylonitrile	10.0		ND							06/07/2011
Allyl chloride	5.00		ND							06/07/2011
Benzene	1.00		ND							06/07/2011
Bromobenzene	5.00		ND							06/07/2011
Bromochloromethane	5.00		ND							06/07/2011
Bromodichloromethane	5.00		ND							06/07/2011
Bromoform	5.00		ND							06/07/2011
Bromomethane	10.0		ND							06/07/2011
Carbon disulfide	5.00		ND							06/07/2011
Carbon tetrachloride	5.00		ND							06/07/2011
Chlorobenzene	5.00		ND							06/07/2011
Chloroethane	10.0		ND							06/07/2011
Chloroform	5.00		ND							06/07/2011
Chloromethane	10.0		ND							06/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68779	SampType: MBLK	Units µg/Kg								
SampID: MBLK-G110607-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
cis-1,2-Dichloroethene	5.00		ND							06/07/2011
cis-1,3-Dichloropropene	4.00		ND							06/07/2011
Cyclohexanone	100		ND							06/07/2011
Dibromochloromethane	5.00		ND							06/07/2011
Dibromomethane	5.00		ND							06/07/2011
Dichlorodifluoromethane	10.0		ND							06/07/2011
Ethyl acetate	50.0		ND							06/07/2011
Ethyl ether	5.00		ND							06/07/2011
Ethyl methacrylate	5.00		ND							06/07/2011
Ethylbenzene	5.00		ND							06/07/2011
Heptane	20.0		ND							06/07/2011
Hexachlorobutadiene	5.00		ND							06/07/2011
Hexachloroethane	5.00		ND							06/07/2011
Iodomethane	10.0		ND							06/07/2011
Isopropylbenzene	5.00		ND							06/07/2011
m,p-Xylenes	5.00		ND							06/07/2011
Methacrylonitrile	50.0		ND							06/07/2011
Methyl Methacrylate	5.00		ND							06/07/2011
Methyl tert-butyl ether	2.00		ND							06/07/2011
Methylacrylate	10.0		ND							06/07/2011
Methylene chloride	5.00		ND							06/07/2011
Naphthalene	10.0		ND							06/07/2011
n-Butylbenzene	5.00		ND							06/07/2011
n-Hexane	20.0		ND							06/07/2011
Nitrobenzene	100		ND							06/07/2011
n-Propylbenzene	5.00		ND							06/07/2011
o-Xylene	5.00		ND							06/07/2011
Pentachloroethane	5.00		ND							06/07/2011
p-Isopropyltoluene	5.00		ND							06/07/2011
Propionitrile	50.0		ND							06/07/2011
sec-Butylbenzene	5.00		ND							06/07/2011
Styrene	5.00		ND							06/07/2011
tert-Butylbenzene	5.00		ND							06/07/2011
Tetrachloroethene	5.00		ND							06/07/2011
Tetrahydrofuran	50.0		ND							06/07/2011
Toluene	5.00		ND							06/07/2011
trans-1,2-Dichloroethene	5.00		ND							06/07/2011
trans-1,3-Dichloropropene	4.00		ND							06/07/2011
Trichloroethene	5.00		ND							06/07/2011
Trichlorofluoromethane	5.00		ND							06/07/2011
Vinyl acetate	50.0		ND							06/07/2011
Vinyl chloride	2.00		ND							06/07/2011
Surr: 1,2-Dichloroethane-d4			56.6	50.0		113.2	72.2	131		06/07/2011
Surr: 4-Bromofluorobenzene			54.8	50.0		109.7	82.1	116		06/07/2011
Surr: Toluene-d8			47.1	50.0		94.2	86	116		06/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68779		SampType: LCSD		Units µg/Kg				RPD Limit 40		
SampID: LCSD-G110607-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,1,1,2-Tetrachloroethane	5.00		52.3	50.0	0	104.6	52.53	0.46	06/07/2011	
1,1,1-Trichloroethane	5.00		55.8	50.0	0	111.7	55.42	0.77	06/07/2011	
1,1,2,2-Tetrachloroethane	5.00		46.4	50.0	0	92.8	45.40	2.20	06/07/2011	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		47.7	50.0	0	95.4	49.19	3.10	06/07/2011	
1,1,2-Trichloroethane	5.00		48.7	50.0	0	97.3	47.82	1.76	06/07/2011	
1,1-Dichloro-2-propanone	50.0		149	125	0	119.5	139.2	7.01	06/07/2011	
1,1-Dichloroethane	5.00		47.2	50.0	0	94.5	47.05	0.42	06/07/2011	
1,1-Dichloroethene	5.00		48.4	50.0	0	96.8	48.67	0.56	06/07/2011	
1,1-Dichloropropene	5.00		49.0	50.0	0	97.9	48.87	0.18	06/07/2011	
1,2,3-Trichlorobenzene	5.00		54.6	50.0	0	109.2	55.51	1.65	06/07/2011	
1,2,3-Trichloropropane	10.0		52.4	50.0	0	104.8	51.24	2.28	06/07/2011	
1,2,3-Trimethylbenzene	5.00		49.2	50.0	0	98.4	49.30	0.20	06/07/2011	
1,2,4-Trichlorobenzene	5.00		54.3	50.0	0	108.6	55.41	2.02	06/07/2011	
1,2,4-Trimethylbenzene	5.00		48.4	50.0	0	96.7	48.30	0.14	06/07/2011	
1,2-Dibromo-3-chloropropane	5.00		56.1	50.0	0	112.2	52.47	6.65	06/07/2011	
1,2-Dibromoethane	5.00		51.8	50.0	0	103.5	50.88	1.71	06/07/2011	
1,2-Dichlorobenzene	5.00		48.8	50.0	0	97.7	49.04	0.39	06/07/2011	
1,2-Dichloroethane	5.00		56.3	50.0	0	112.5	55.52	1.32	06/07/2011	
1,2-Dichloropropane	5.00		45.4	50.0	0	90.7	45.91	1.23	06/07/2011	
1,3,5-Trimethylbenzene	5.00		46.9	50.0	0	93.8	46.85	0.06	06/07/2011	
1,3-Dichlorobenzene	5.00		48.9	50.0	0	97.9	48.85	0.16	06/07/2011	
1,3-Dichloropropane	5.00		46.3	50.0	0	92.5	46.81	1.16	06/07/2011	
1,4-Dichlorobenzene	5.00		47.9	50.0	0	95.8	48.21	0.65	06/07/2011	
1-Chlorobutane	5.00		43.8	50.0	0	87.6	43.98	0.41	06/07/2011	
2,2-Dichloropropane	5.00		52.9	50.0	0	105.7	53.17	0.58	06/07/2011	
2-Butanone	50.0		104	125	0	83.0	120.8	15.22	06/07/2011	
2-Chlorotoluene	5.00		46.4	50.0	0	92.9	46.58	0.32	06/07/2011	
2-Hexanone	50.0		113	125	0	90.2	119.0	5.39	06/07/2011	
2-Nitropropane	50.0		629	500	0	125.8	597.3	5.15	06/07/2011	
4-Chlorotoluene	5.00		46.7	50.0	0	93.4	46.97	0.53	06/07/2011	
4-Methyl-2-pentanone	50.0		128	125	0	102.6	123.8	3.53	06/07/2011	
Acetone	50.0		94.1	125	0	75.2	127.4	30.12	06/07/2011	
Acrylonitrile	10.0		48.0	50.0	0	96.1	45.52	5.39	06/07/2011	
Allyl chloride	5.00		46.8	50.0	0	93.7	46.02	1.79	06/07/2011	
Benzene	1.00		45.8	50.0	0	91.5	45.84	0.17	06/07/2011	
Bromobenzene	5.00		50.0	50.0	0	100	49.36	1.31	06/07/2011	
Bromochloromethane	5.00		46.8	50.0	0	93.5	46.07	1.47	06/07/2011	
Bromodichloromethane	5.00		53.3	50.0	0	106.6	52.43	1.65	06/07/2011	
Bromoform	5.00		57.1	50.0	0	114.1	56.33	1.29	06/07/2011	
Bromomethane	10.0		46.3	50.0	0	92.7	45.75	1.26	06/07/2011	
Carbon disulfide	5.00		44.1	50.0	0	88.1	44.26	0.45	06/07/2011	
Carbon tetrachloride	5.00		58.1	50.0	0	116.2	58.03	0.14	06/07/2011	
Chlorobenzene	5.00		48.2	50.0	0	96.3	48.37	0.41	06/07/2011	
Chloroethane	10.0		42.1	50.0	0	84.3	41.24	2.16	06/07/2011	
Chloroform	5.00		52.1	50.0	0	104.1	51.26	1.57	06/07/2011	
Chloromethane	10.0		39.8	50.0	0	79.5	38.92	2.14	06/07/2011	
cis-1,2-Dichloroethene	5.00		48.6	50.0	0	97.1	48.17	0.83	06/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68779	SampType: LCSD	Units µg/Kg						RPD Limit 40		
SampID: LCSD-G110607-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
cis-1,3-Dichloropropene	4.00		51.1	50.0	0	102.2	51.28	0.37		06/07/2011
Cyclohexanone	100		245	250	0	98.0	243.8	0.51		06/07/2011
Dibromochloromethane	5.00		53.9	50.0	0	107.8	53.85	0.11		06/07/2011
Dibromomethane	5.00		52.4	50.0	0	104.8	51.93	0.94		06/07/2011
Dichlorodifluoromethane	10.0		32.8	50.0	0	65.7	33.57	2.17		06/07/2011
Ethyl acetate	50.0		57.2	50.0	0	114.5	51.99	9.63		06/07/2011
Ethyl ether	5.00		48.7	50.0	0	97.5	48.59	0.31		06/07/2011
Ethyl methacrylate	5.00		50.6	50.0	0	101.1	49.47	2.16		06/07/2011
Ethylbenzene	5.00		46.3	50.0	0	92.5	47.14	1.86		06/07/2011
Heptane	20.0		41.1	50.0	0	82.2	41.31	0.53		06/07/2011
Hexachlorobutadiene	5.00		56.4	50.0	0	112.9	58.05	2.81		06/07/2011
Hexachloroethane	5.00		50.7	50.0	0	101.5	50.37	0.73		06/07/2011
Iodomethane	10.0		51.4	50.0	0	102.8	49.53	3.69		06/07/2011
Isopropylbenzene	5.00		48.4	50.0	0	96.8	48.59	0.39		06/07/2011
m,p-Xylenes	5.00		94.4	100	0	94.4	95.00	0.62		06/07/2011
Methacrylonitrile	50.0	J	48	50.0	0	95.7	46.67	0.00		06/07/2011
Methyl Methacrylate	5.00		54.0	50.0	0	108.0	53.42	1.06		06/07/2011
Methyl tert-butyl ether	2.00		54.9	50.0	0	109.8	54.64	0.46		06/07/2011
Methylacrylate	10.0		50.4	50.0	0	100.9	48.88	3.14		06/07/2011
Methylene chloride	5.00		48.8	50.0	0	97.6	47.80	2.09		06/07/2011
Naphthalene	10.0		53.6	50.0	0	107.1	53.13	0.82		06/07/2011
n-Butylbenzene	5.00		44.7	50.0	0	89.4	45.45	1.62		06/07/2011
n-Hexane	20.0		42.1	50.0	0	84.2	43.07	2.25		06/07/2011
Nitrobenzene	100		527	500	0	105.4	501.8	4.89		06/07/2011
n-Propylbenzene	5.00		45.3	50.0	0	90.5	45.33	0.15		06/07/2011
o-Xylene	5.00		47.8	50.0	0	95.6	47.58	0.48		06/07/2011
Pentachloroethane	5.00		52.8	50.0	0	105.7	53.34	0.92		06/07/2011
p-Isopropyltoluene	5.00		48.7	50.0	0	97.5	49.32	1.18		06/07/2011
Propionitrile	50.0		505	500	0	101.1	484.1	4.29		06/07/2011
sec-Butylbenzene	5.00		46.1	50.0	0	92.2	46.33	0.54		06/07/2011
Styrene	5.00		49.5	50.0	0	98.9	49.48	0.04		06/07/2011
tert-Butylbenzene	5.00		48.0	50.0	0	96.1	48.30	0.54		06/07/2011
Tetrachloroethene	5.00		47.5	50.0	0	95.1	49.01	3.07		06/07/2011
Tetrahydrofuran	50.0		55.3	50.0	0	110.6	52.26	5.67		06/07/2011
Toluene	5.00		43.9	50.0	0	87.8	43.94	0.09		06/07/2011
trans-1,2-Dichloroethene	5.00		47.7	50.0	0	95.5	48.06	0.69		06/07/2011
trans-1,3-Dichloropropene	4.00		50.6	50.0	0	101.3	50.76	0.24		06/07/2011
Trichloroethene	5.00		52.5	50.0	0	105.0	52.59	0.15		06/07/2011
Trichlorofluoromethane	5.00		51.1	50.0	0	102.1	51.34	0.55		06/07/2011
Vinyl acetate	50.0	J	50	50.0	0	99.9	49.29	0.00		06/07/2011
Vinyl chloride	2.00		48.7	50.0	0	97.4	48.17	1.05		06/07/2011
Surr: 1,2-Dichloroethane-d4			56.2	50.0		112.5				06/07/2011
Surr: 4-Bromofluorobenzene			53.6	50.0		107.3				06/07/2011
Surr: Toluene-d8			47.6	50.0		95.2				06/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68779

SampType: LCS

Units µg/Kg

SampID: LCS-G110607-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	5.00		52.5	50.0	0	105.1	0	200	06/07/2011
1,1,1-Trichloroethane	5.00		55.4	50.0	0	110.8	85.8	124	06/07/2011
1,1,2,2-Tetrachloroethane	5.00		45.4	50.0	0	90.8	0	200	06/07/2011
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00		49.2	50.0	0	98.4	0	200	06/07/2011
1,1,2-Trichloroethane	5.00		47.8	50.0	0	95.6	0	200	06/07/2011
1,1-Dichloro-2-propanone	50.0		139	125	0	111.4	0	200	06/07/2011
1,1-Dichloroethane	5.00		47.0	50.0	0	94.1	0	200	06/07/2011
1,1-Dichloroethene	5.00		48.7	50.0	0	97.3	60.1	131	06/07/2011
1,1-Dichloropropene	5.00		48.9	50.0	0	97.7	0	200	06/07/2011
1,2,3-Trichlorobenzene	5.00		55.5	50.0	0	111.0	0	200	06/07/2011
1,2,3-Trichloropropane	10.0		51.2	50.0	0	102.5	0	200	06/07/2011
1,2,3-Trimethylbenzene	5.00		49.3	50.0	0	98.6	0	200	06/07/2011
1,2,4-Trichlorobenzene	5.00		55.4	50.0	0	110.8	0	200	06/07/2011
1,2,4-Trimethylbenzene	5.00		48.3	50.0	0	96.6	0	200	06/07/2011
1,2-Dibromo-3-chloropropane	5.00		52.5	50.0	0	104.9	0	200	06/07/2011
1,2-Dibromoethane	5.00		50.9	50.0	0	101.8	86.9	119	06/07/2011
1,2-Dichlorobenzene	5.00		49.0	50.0	0	98.1	88	119	06/07/2011
1,2-Dichloroethane	5.00		55.5	50.0	0	111.0	73	117	06/07/2011
1,2-Dichloropropane	5.00		45.9	50.0	0	91.8	0	200	06/07/2011
1,3,5-Trimethylbenzene	5.00		46.8	50.0	0	93.7	0	200	06/07/2011
1,3-Dichlorobenzene	5.00		48.8	50.0	0	97.7	85.8	125	06/07/2011
1,3-Dichloropropane	5.00		46.8	50.0	0	93.6	0	200	06/07/2011
1,4-Dichlorobenzene	5.00		48.2	50.0	0	96.4	84.5	124	06/07/2011
1-Chlorobutane	5.00		44.0	50.0	0	88.0	0	200	06/07/2011
2,2-Dichloropropane	5.00		53.2	50.0	0	106.3	0	200	06/07/2011
2-Butanone	50.0		121	125	0	96.6	45.3	136	06/07/2011
2-Chlorotoluene	5.00		46.6	50.0	0	93.2	0	200	06/07/2011
2-Hexanone	50.0		119	125	0	95.2	0	200	06/07/2011
2-Nitropropane	50.0		597	500	0	119.5	0	200	06/07/2011
4-Chlorotoluene	5.00		47.0	50.0	0	93.9	0	200	06/07/2011
4-Methyl-2-pentanone	50.0		124	125	0	99.0	0	200	06/07/2011
Acetone	50.0		127	125	0	101.9	0	200	06/07/2011
Acrylonitrile	10.0		45.5	50.0	0	91.0	0	200	06/07/2011
Allyl chloride	5.00		46.0	50.0	0	92.0	0	200	06/07/2011
Benzene	1.00		45.8	50.0	0	91.7	73.9	109	06/07/2011
Bromobenzene	5.00		49.4	50.0	0	98.7	0	200	06/07/2011
Bromochloromethane	5.00		46.1	50.0	0	92.1	0	200	06/07/2011
Bromodichloromethane	5.00		52.4	50.0	0	104.9	91.3	126	06/07/2011
Bromoform	5.00		56.3	50.0	0	112.7	0	200	06/07/2011
Bromomethane	10.0		45.8	50.0	0	91.5	0	200	06/07/2011
Carbon disulfide	5.00		44.3	50.0	0	88.5	0	200	06/07/2011
Carbon tetrachloride	5.00		58.0	50.0	0	116.1	83.3	127	06/07/2011
Chlorobenzene	5.00		48.4	50.0	0	96.7	85.8	116	06/07/2011
Chloroethane	10.0		41.2	50.0	0	82.5	0	200	06/07/2011
Chloroform	5.00		51.3	50.0	0	102.5	80	113	06/07/2011
Chloromethane	10.0		38.9	50.0	0	77.8	0	200	06/07/2011
cis-1,2-Dichloroethene	5.00		48.2	50.0	0	96.3	0	200	06/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68779		SampType: LCS		Units µg/Kg						
SampID: LCS-G110607-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
cis-1,3-Dichloropropene	4.00		51.3	50.0	0	102.6	0	200	06/07/2011	
Cyclohexanone	100		244	250	0	97.5	0	200	06/07/2011	
Dibromochloromethane	5.00		53.8	50.0	0	107.7	89.1	119	06/07/2011	
Dibromomethane	5.00		51.9	50.0	0	103.9	0	200	06/07/2011	
Dichlorodifluoromethane	10.0		33.6	50.0	0	67.1	0	200	06/07/2011	
Ethyl acetate	50.0		52.0	50.0	0	104.0	0	200	06/07/2011	
Ethyl ether	5.00		48.6	50.0	0	97.2	0	200	06/07/2011	
Ethyl methacrylate	5.00		49.5	50.0	0	98.9	0	200	06/07/2011	
Ethylbenzene	5.00		47.1	50.0	0	94.3	84.1	115	06/07/2011	
Heptane	20.0		41.3	50.0	0	82.6	0	200	06/07/2011	
Hexachlorobutadiene	5.00		58.0	50.0	0	116.1	0	200	06/07/2011	
Hexachloroethane	5.00		50.4	50.0	0	100.7	0	200	06/07/2011	
Iodomethane	10.0		49.5	50.0	0	99.1	0	200	06/07/2011	
Isopropylbenzene	5.00		48.6	50.0	0	97.2	0	200	06/07/2011	
m,p-Xylenes	5.00		95.0	100	0	95.0	79.1	111	06/07/2011	
Methacrylonitrile	50.0	J	47	50.0	0	93.3	0	200	06/07/2011	
Methyl Methacrylate	5.00		53.4	50.0	0	106.8	0	200	06/07/2011	
Methyl tert-butyl ether	2.00		54.6	50.0	0	109.3	80	128	06/07/2011	
Methylacrylate	10.0		48.9	50.0	0	97.8	0	200	06/07/2011	
Methylene chloride	5.00		47.8	50.0	0	95.6	73.9	116	06/07/2011	
Naphthalene	10.0		53.1	50.0	0	106.3	73.1	135	06/07/2011	
n-Butylbenzene	5.00		45.4	50.0	0	90.9	0	200	06/07/2011	
n-Hexane	20.0		43.1	50.0	0	86.1	0	200	06/07/2011	
Nitrobenzene	100		502	500	0	100.4	0	200	06/07/2011	
n-Propylbenzene	5.00		45.3	50.0	0	90.7	0	200	06/07/2011	
o-Xylene	5.00		47.6	50.0	0	95.2	82	117	06/07/2011	
Pentachloroethane	5.00		53.3	50.0	0	106.7	0	200	06/07/2011	
p-Isopropyltoluene	5.00		49.3	50.0	0	98.6	0	200	06/07/2011	
Propionitrile	50.0		484	500	0	96.8	0	200	06/07/2011	
sec-Butylbenzene	5.00		46.3	50.0	0	92.7	0	200	06/07/2011	
Styrene	5.00		49.5	50.0	0	99.0	0	200	06/07/2011	
tert-Butylbenzene	5.00		48.3	50.0	0	96.6	0	200	06/07/2011	
Tetrachloroethene	5.00		49.0	50.0	0	98.0	74.6	115	06/07/2011	
Tetrahydrofuran	50.0		52.3	50.0	0	104.5	0	200	06/07/2011	
Toluene	5.00		43.9	50.0	0	87.9	79.1	112	06/07/2011	
trans-1,2-Dichloroethene	5.00		48.1	50.0	0	96.1	0	200	06/07/2011	
trans-1,3-Dichloropropene	4.00		50.8	50.0	0	101.5	0	200	06/07/2011	
Trichloroethene	5.00		52.6	50.0	0	105.2	81	111	06/07/2011	
Trichlorofluoromethane	5.00		51.3	50.0	0	102.7	0	200	06/07/2011	
Vinyl acetate	50.0	J	49	50.0	0	98.6	0	200	06/07/2011	
Vinyl chloride	2.00		48.2	50.0	0	96.3	0	200	06/07/2011	
Surr: 1,2-Dichloroethane-d4			55.8	50.0		111.7	72.2	131	06/07/2011	
Surr: 4-Bromofluorobenzene			53.6	50.0		107.2	82.1	116	06/07/2011	
Surr: Toluene-d8			46.7	50.0		93.3	86	116	06/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68779		SampType: LCSGD		Units %REC				RPD Limit 0		Date Analyzed
SampID: LCSGD-G110607-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Surr: 1,2-Dichloroethane-d4			56.3	50.0		112.6			06/07/2011	
Surr: 4-Bromofluorobenzene			54.9	50.0		109.9			06/07/2011	
Surr: Toluene-d8			47.9	50.0		95.8			06/07/2011	

Batch 68779		SampType: LCSG		Units %REC						
SampID: LCSG-G110607-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4				54.9	50.0		109.7	61	128	06/07/2011
Surr: 4-Bromofluorobenzene				54.9	50.0		109.9	78.2	117	06/07/2011
Surr: Toluene-d8				47.2	50.0		94.5	80.1	122	06/07/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060325

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 16-Jun-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

07-Jun-11

Dawn Brantley

Reviewed by:

On:

07-Jun-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.



210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10025

Project Name: <u>Champaign MGP</u> Project Mgr.: <u>P. Szegma</u>		Analyses by Method Name and Number	
Project Number: <u>624-0908-0120</u> Cost Code: <u>J0002</u>		Comments (Field PID) Lab ID #'s	
Sampler(s): <u>Flora</u>	Matrix	Total Number of Containers	
		Water	Soil
Name: <u>Teklab, Inc.</u>		Date	
Location: <u>Collinsville, IL</u>		Time	
P9-DEI-S-F(24)		6/7/11	0900
P9-EI-W(3)			0910
P9-EI-W(8)			0920
P9-DI-W(3)			0940
P9-DI-W(8)			0950
6773T060711		6/7/11	1045

Method	TPH (042)	TPH (042) (CN - total)	KRA Metals	SVOC (8270)	VOC (8260)
TPH	X	X	X	X	X
BOD	X	X	X	X	X
TSS	X	X	X	X	X
BTX (8260)	X	X	X	X	X

is on another receipt
COC 036171
headspace 036171
res. 036171
Lab ID #'s 11060325
RUSH

001 002 003 004
005

1 DAY

Teklab, Inc.
Courier Pickup

Samples Iced:	Yes	No
Preservatives (ONLY for Water Samples)		
☐ Volatile Organics		
☒ VOC Soil (5035)		
☐ TPH		
☐ Metals		
☐ Cyanide		
☐ Other (Specify)		

Lab Directives:
Requested TAT: ☐ Rush ☐ 5 Days ☒ STD
Fax and/or Mail Results to: <u>P. Szegma</u> <u>711</u> <u>Hensler</u>
Send Invoice to: <u>B. Martin</u>
QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits: <u>IL TACO JAC 740742</u>
* Special:

Shipping:
Carrier / Airbill No.

Relinquished by:
Signature: <u>Nie Deffar</u>
Date: <u>6/7/11</u> Time: <u>1105</u>

Received by:
Signature: <u>[Signature]</u>
Date: <u>6/7/11</u> Time: <u>1105</u>

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03) GREEN to Sampler

Shaded Areas to be Completed by Lab

June 15, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060554

Dear Pete Sazama:

TEKLAB, INC received 3 samples on 6/10/2011 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	11
Dates Report	12
Quality Control Results	14
Receiving Check List	21
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11060554**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 15-Jun-11**Cooler Receipt Temp:** 4.6 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab ID: 11060554-001

Client Sample ID: 30984 T 060811

Matrix: AQUEOUS

Collection Date: 06/08/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.78		1	06/10/2011 18:35	R150625
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	06/13/2011 11:00	R150686
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5	H	26	mg/L	1	06/10/2011 19:50	68874
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		< 0.035	mg/L	5	06/13/2011 9:37	R150687
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035		0.208	mg/L	5	06/13/2011 9:37	R150687
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.018	mg/L	1	06/13/2011 9:30	68877
Barium	NELAP	0.0050		0.345	mg/L	1	06/13/2011 9:30	68877
Cadmium	NELAP	0.0020	J	0.0005	mg/L	1	06/13/2011 9:30	68877
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/13/2011 9:30	68877
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/13/2011 9:30	68877
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/13/2011 9:30	68877
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/13/2011 11:40	68889
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/13/2011 11:40	68891
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Anthracene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Chrysene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Fluorene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Pyrene	NELAP	0.00010		ND	mg/L	1	06/13/2011 23:34	68855
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/13/2011 23:34	68855
Surr: 2-Fluorobiphenyl		34.3-105		70.4	%REC	1	06/13/2011 23:34	68855
Surr: 2-Fluorophenol		19.9-55.7		42.4	%REC	1	06/13/2011 23:34	68855
Surr: Nitrobenzene-d5		36.4-127		85.0	%REC	1	06/13/2011 23:34	68855
Surr: Phenol-d5		8.95-38.5		26.7	%REC	1	06/13/2011 23:34	68855
Surr: p-Terphenyl-d14		6.05-133		71.0	%REC	1	06/13/2011 23:34	68855
<i>LCSD outside upper QC limits. Sample results are below the reporting limit. Data is reportable.</i>								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/10/2011 19:58	68918

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab ID: 11060554-001

Client Sample ID: 30984 T 060811

Matrix: AQUEOUS

Collection Date: 06/08/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/10/2011 19:58	68918
Toluene	NELAP	5.0		ND	µg/L	1	06/10/2011 19:58	68918
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/10/2011 19:58	68918
Surr: 1,2-Dichloroethane-d4		74.7-129		99.5	%REC	1	06/10/2011 19:58	68918
Surr: 4-Bromofluorobenzene		86-119		101.3	%REC	1	06/10/2011 19:58	68918
Surr: Dibromofluoromethane		81.7-123		99.3	%REC	1	06/10/2011 19:58	68918
Surr: Toluene-d8		84.3-114		98.9	%REC	1	06/10/2011 19:58	68918

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab ID: 11060554-002

Client Sample ID: 4419 T 060911

Matrix: AQUEOUS

Collection Date: 06/09/2011 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.42		1	06/10/2011 18:35	R150625
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	06/13/2011 11:00	R150686
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		43	mg/L	1	06/10/2011 20:00	68874
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.038	J	0.022	mg/L	5	06/13/2011 9:37	R150687
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.038		0.164	mg/L	5	06/13/2011 9:37	R150687
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/13/2011 9:35	68877
Barium	NELAP	0.0050		0.370	mg/L	1	06/13/2011 9:35	68877
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/13/2011 9:35	68877
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/13/2011 9:35	68877
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/13/2011 9:35	68877
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/13/2011 9:35	68877
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/13/2011 11:43	68889
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/13/2011 11:40	68891
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Chrysene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Fluorene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:11	68855
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/14/2011 0:11	68855
Surr: 2-Fluorobiphenyl		34.3-105		70.4	%REC	1	06/14/2011 0:11	68855
Surr: 2-Fluorophenol		19.9-55.7		42.7	%REC	1	06/14/2011 0:11	68855
Surr: Nitrobenzene-d5		36.4-127		89.6	%REC	1	06/14/2011 0:11	68855
Surr: Phenol-d5		8.95-38.5		28.1	%REC	1	06/14/2011 0:11	68855
Surr: p-Terphenyl-d14		6.05-133		75.6	%REC	1	06/14/2011 0:11	68855
<i>LCSD outside upper QC limits. Sample results are below the reporting limit. Data is reportable.</i>								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/10/2011 20:24	68918

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab ID: 11060554-002

Client Sample ID: 4419 T 060911

Matrix: AQUEOUS

Collection Date: 06/09/2011 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/10/2011 20:24	68918
Toluene	NELAP	5.0		ND	µg/L	1	06/10/2011 20:24	68918
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/10/2011 20:24	68918
Surr: 1,2-Dichloroethane-d4		74.7-129		101.0	%REC	1	06/10/2011 20:24	68918
Surr: 4-Bromofluorobenzene		86-119		101.5	%REC	1	06/10/2011 20:24	68918
Surr: Dibromofluoromethane		81.7-123		100.4	%REC	1	06/10/2011 20:24	68918
Surr: Toluene-d8		84.3-114		97.8	%REC	1	06/10/2011 20:24	68918

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab ID: 11060554-003

Client Sample ID: 4091 T 061011

Matrix: AQUEOUS

Collection Date: 06/10/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.30		1	06/10/2011 18:35	R150625
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		10	mg/L	1	06/13/2011 11:00	R150686
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		39	mg/L	1	06/10/2011 20:00	68874
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.036		0.044	mg/L	5	06/13/2011 9:37	R150687
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.036	S	0.176	mg/L	5	06/13/2011 9:37	R150687
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.012	mg/L	1	06/13/2011 9:52	68877
Barium	NELAP	0.0050		0.386	mg/L	1	06/13/2011 9:52	68877
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/13/2011 9:52	68877
Chromium	NELAP	0.0100	J	0.0056	mg/L	1	06/13/2011 9:52	68877
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/13/2011 9:52	68877
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/13/2011 9:52	68877
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/13/2011 11:47	68889
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/13/2011 11:40	68891
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Chrysene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Fluorene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Pyrene	NELAP	0.00010		ND	mg/L	1	06/14/2011 0:49	68855
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/14/2011 0:49	68855
Surr: 2-Fluorobiphenyl		34.3-105		66.8	%REC	1	06/14/2011 0:49	68855
Surr: 2-Fluorophenol		19.9-55.7		42.4	%REC	1	06/14/2011 0:49	68855
Surr: Nitrobenzene-d5		36.4-127		81.2	%REC	1	06/14/2011 0:49	68855
Surr: Phenol-d5		8.95-38.5		31.3	%REC	1	06/14/2011 0:49	68855
Surr: p-Terphenyl-d14		6.05-133		69.4	%REC	1	06/14/2011 0:49	68855

LCSD outside upper QC limits. Sample results are below the reporting limit. Data is reportable.

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab ID: 11060554-003

Client Sample ID: 4091 T 061011

Matrix: AQUEOUS

Collection Date: 06/10/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/10/2011 20:51	68918
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/10/2011 20:51	68918
Toluene	NELAP	5.0		ND	µg/L	1	06/10/2011 20:51	68918
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/10/2011 20:51	68918
Surr: 1,2-Dichloroethane-d4		74.7-129		99.2	%REC	1	06/10/2011 20:51	68918
Surr: 4-Bromofluorobenzene		86-119		104.0	%REC	1	06/10/2011 20:51	68918
Surr: Dibromofluoromethane		81.7-123		99.0	%REC	1	06/10/2011 20:51	68918
Surr: Toluene-d8		84.3-114		97.4	%REC	1	06/10/2011 20:51	68918



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060554-001	30984 T 060811	Aqueous	5	06/08/2011 8:30
11060554-002	4419 T 060911	Aqueous	5	06/09/2011 16:00
11060554-003	4091 T 061011	Aqueous	5	06/10/2011 9:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060554-001A	30984 T 060811	06/08/2011 8:30	6/10/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/10/2011 20:58	06/13/2011 23:34
11060554-001B	30984 T 060811	06/08/2011 8:30	6/10/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/10/2011 18:35
	Standard Methods 18th Ed. 2540 D			06/13/2011 11:00
	Standard Methods 18th Ed. 5210 B		06/10/2011 19:50	06/10/2011 19:50
11060554-001C	30984 T 060811	06/08/2011 8:30	6/10/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/10/2011 18:30	06/13/2011 9:30
	SW-846 3020A, Metals by GFAA (Total)		06/13/2011 7:34	06/13/2011 11:40
	SW-846 7470A (Total)		06/13/2011 8:02	06/13/2011 11:40
11060554-001D	30984 T 060811	06/08/2011 8:30	6/10/2011 3:00:00 PM	
	SW-846 9012A			06/13/2011 9:37
	SW-846 9012A (Total)			06/13/2011 9:37
11060554-001E	30984 T 060811	06/08/2011 8:30	6/10/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/10/2011 19:58
11060554-002A	4419 T 060911	06/09/2011 16:00	6/10/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/10/2011 20:58	06/14/2011 0:11
11060554-002B	4419 T 060911	06/09/2011 16:00	6/10/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/10/2011 18:35
	Standard Methods 18th Ed. 2540 D			06/13/2011 11:00
	Standard Methods 18th Ed. 5210 B		06/10/2011 20:00	06/10/2011 20:00
11060554-002C	4419 T 060911	06/09/2011 16:00	6/10/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/10/2011 17:48	06/13/2011 9:35
	SW-846 3020A, Metals by GFAA (Total)		06/13/2011 7:34	06/13/2011 11:43
	SW-846 7470A (Total)		06/13/2011 8:02	06/13/2011 11:40
11060554-002D	4419 T 060911	06/09/2011 16:00	6/10/2011 3:00:00 PM	
	SW-846 9012A			06/13/2011 9:37
	SW-846 9012A (Total)			06/13/2011 9:37
11060554-002E	4419 T 060911	06/09/2011 16:00	6/10/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/10/2011 20:24
11060554-003A	4091 T 061011	06/10/2011 9:30	6/10/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/10/2011 20:58	06/14/2011 0:49
11060554-003B	4091 T 061011	06/10/2011 9:30	6/10/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/10/2011 18:35
	Standard Methods 18th Ed. 2540 D			06/13/2011 11:00
	Standard Methods 18th Ed. 5210 B		06/10/2011 20:00	06/10/2011 20:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060554-003C	4091 T 061011	06/10/2011 9:30	6/10/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/10/2011 17:48	06/13/2011 9:52
	SW-846 3020A, Metals by GFAA (Total)		06/13/2011 7:34	06/13/2011 11:47
	SW-846 7470A (Total)		06/13/2011 8:02	06/13/2011 11:40
11060554-003D	4091 T 061011	06/10/2011 9:30	6/10/2011 3:00:00 PM	
	SW-846 9012A			06/13/2011 9:37
	SW-846 9012A (Total)			06/13/2011 9:37
11060554-003E	4091 T 061011	06/10/2011 9:30	6/10/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/10/2011 20:51

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150625		SampType: LCS		Units						Date Analyzed
SampID: LCS-R150625										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lab pH	1.00		6.98	7.00	0	99.7	99.1	100.8		
Lab pH	1.00		7.00	7.00	0	100	99.1	100.8		

Batch R150625		SampType: DUP		Units				RPD Limit 10		Date Analyzed
SampID: 11060554-002BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lab pH		1.00		9.42				9.420	0.00	

STANDARD METHODS 18TH ED. 2540 D

Batch R150686		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MB-R150686											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids		6		< 6						06/13/2011	

Batch R150686		SampType: LCS		Units mg/L						
SampID: LCS-R150686										Date
Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Suspended Solids	6		91	100	0		91.0	85	115	06/13/2011
Total Suspended Solids	6		94	100	0		94.0	85	115	06/13/2011
Total Suspended Solids	6		96	100	0		96.0	85	115	06/13/2011
Total Suspended Solids	6		96	100	0		96.0	85	115	06/13/2011

Batch R150686		SampType: DUP		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11060554-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		< 6				0	0.00	06/13/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 68874		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-68874										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		203	198	0	102.5	84.6	115.4	06/10/2011

Batch 68874		SampType: DUP		Units mg/L				RPD Limit 40		Date Analyzed
SampID: 11060554-002B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		40				43.00	7.23	06/10/2011

SW-846 9012A (TOTAL)

Batch R150687		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R150687										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.008		< 0.008						06/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

SW-846 9012A (TOTAL)

Batch R150687		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R150687										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		< 0.007						06/13/2011

Batch R150687		SampType: LCS		Units mg/L						
SampID: LCS-R150687										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.025	0.025	0	99.6	85	115	06/13/2011	
Cyanide	0.007		0.024	0.025	0	95.7	90	110	06/13/2011	
Cyanide	0.007		0.024	0.025	0	96.6	90	110	06/13/2011	

Batch R150687		SampType: MS		Units mg/L						
SampID: 11060554-003DMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.035	S	0.178	0.025	0.1758	7.5	75	125	06/13/2011	

Batch R150687		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11060554-003DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide		0.035	S	0.183	0.025	0.1758	28.9	0.1776	2.98	

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68877		SampType: MBLK		Units mg/L					
SampID: MB-68877									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/13/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/13/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/13/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/13/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/13/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/13/2011

Batch 68877		SampType: LCS		Units mg/L					
SampID: LCS-68877									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic	0.0250		2.04	2.00	0	102.0	85	115	06/13/2011
Barium	0.0050		2.08	2.00	0	104.2	85	115	06/13/2011
Cadmium	0.0020		0.0508	0.0500	0	101.6	85	115	06/13/2011
Chromium	0.0100		0.211	0.200	0	105.5	85	115	06/13/2011
Selenium	0.0500		2.11	2.00	0	105.6	85	115	06/13/2011
Silver	0.0100		0.0557	0.0500	0	111.4	85	115	06/13/2011

Batch 68877		SampType: MS		Units mg/L						
SampID: 11060554-002CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.03	2.00	0	101.6	75	125	06/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68877		SampType: MS		Units mg/L						
SampID: 11060554-002CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Barium	0.0050		2.25	2.00	0.3695	94.1	75	125	06/13/2011	
Cadmium	0.0020		0.0474	0.0500	0	94.8	75	125	06/13/2011	
Chromium	0.0100		0.197	0.200	0	98.6	75	125	06/13/2011	
Selenium	0.0500		2.09	2.00	0	104.4	75	125	06/13/2011	
Silver	0.0100		0.0455	0.0500	0	91.0	75	125	06/13/2011	

Batch 68877		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11060554-002CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		2.02	2.00	0	101.2	2.031	0.39	06/13/2011
Barium		0.0050		2.26	2.00	0.3695	94.5	2.252	0.35	06/13/2011
Cadmium		0.0020		0.0469	0.0500	0	93.8	0.04740	1.06	06/13/2011
Chromium		0.0100		0.198	0.200	0	99.1	0.1971	0.56	06/13/2011
Selenium		0.0500		2.05	2.00	0	102.6	2.088	1.69	06/13/2011
Silver		0.0100		0.0441	0.0500	0	88.2	0.04550	3.13	06/13/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68889		SampType: MBLK		Units mg/L						
SampID: MB-68889										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/13/2011

Batch 68889		SampType: LCS		Units mg/L							
SampID: LCS-68889											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0133	0.0150	0	89.0	80	120	06/13/2011	

Batch 68889		SampType: MS		Units mg/L						
SampID: 11060554-003CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0140	0.0150	0	93.4	70	130	06/13/2011

Batch 68889		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11060554-003CMSD										Date	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0129	0.0150	0	86.1	0.01400	8.07	06/13/2011	

SW-846 7470A (TOTAL)

Batch 68891		SampType: MBLK		Units mg/L						
SampID: MB-68891										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

SW-846 7470A (TOTAL)

Batch 68891		SampType: LCS		Units mg/L						
SampID: LCS-68891										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00499	0.00500	0	99.8	85	115	06/13/2011	

Batch 68891		SampType: MS		Units mg/L						Date Analyzed
SampID: 11060554-002CMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		0.00502	0.00500	0	100.4	75	125	06/13/2011	

Batch 68891		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11060554-002CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Mercury		0.00020		0.00502	0.00500	0	100.4	0.005020	0.00	06/13/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68855		SampType: MBLK		Units mg/L						
SampID: MB-68855										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						06/14/2011	
Acenaphthylene	0.00010		ND						06/14/2011	
Anthracene	0.00010		ND						06/14/2011	
Benzo(a)anthracene	0.00010		ND						06/14/2011	
Benzo(a)pyrene	0.00010		ND						06/14/2011	
Benzo(b)fluoranthene	0.00010		ND						06/14/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/14/2011	
Benzo(k)fluoranthene	0.00010		ND						06/14/2011	
Chrysene	0.00010		ND						06/14/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/14/2011	
Fluoranthene	0.00010		ND						06/14/2011	
Fluorene	0.00010		ND						06/14/2011	
Naphthalene	0.00010		ND						06/14/2011	
Phenanthrene	0.00010		ND						06/14/2011	
Pyrene	0.00010		ND						06/14/2011	
Total PNAs except Naphthalene	0.00013		ND						06/14/2011	
Surr: 2-Fluorobiphenyl			0.00393	0.00500		78.6	45.4	97.6	06/14/2011	
Surr: 2-Fluorophenol			0.00553	0.0100		55.3	24.9	63.7	06/14/2011	
Surr: Nitrobenzene-d5			0.00405	0.00500		81.0	45.2	108	06/14/2011	
Surr: Phenol-d5			0.00342	0.0100		34.2	15.5	39.5	06/14/2011	
Surr: p-Terphenyl-d14			0.00363	0.00500		72.6	46	127	06/14/2011	

Batch 68855		SampType: LCS		Units mg/L						
SampID: LCS-68855										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00442	0.00500	0	88.4	50.1	103	06/13/2011	
Acenaphthylene	0.00010		0.00467	0.00500	0	93.4	53.3	122	06/13/2011	
Anthracene	0.00010		0.00422	0.00500	0	84.4	57.4	110	06/13/2011	
Benzo(a)anthracene	0.00010		0.00467	0.00500	0	93.4	56	102	06/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68855		SampType: LCS		Units mg/L						
SampID: LCS-68855										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(a)pyrene	0.00010		0.00536	0.00500	0	107.2	55.4	125	06/13/2011	
Benzo(b)fluoranthene	0.00010		0.00614	0.00500	0	122.8	59.3	127	06/13/2011	
Benzo(g,h,i)perylene	0.00010		0.00546	0.00500	0	109.2	58.4	125	06/13/2011	
Benzo(k)fluoranthene	0.00010		0.00546	0.00500	0	109.2	61.5	125	06/13/2011	
Chrysene	0.00010		0.00527	0.00500	0	105.4	58.7	118	06/13/2011	
Dibenzo(a,h)anthracene	0.00010		0.00556	0.00500	0	111.2	59.3	126	06/13/2011	
Fluoranthene	0.00010		0.00526	0.00500	0	105.2	60.1	117	06/13/2011	
Fluorene	0.00010		0.00476	0.00500	0	95.2	54.1	110	06/13/2011	
Naphthalene	0.00010		0.00398	0.00500	0	79.6	36.3	97.1	06/13/2011	
Phenanthrene	0.00010		0.00475	0.00500	0	95.0	55.9	107	06/13/2011	
Pyrene	0.00010		0.00529	0.00500	0	105.8	61.4	116	06/13/2011	
Surr: 2-Fluorobiphenyl			0.00267	0.00500		53.4	45.4	97.6	06/13/2011	
Surr: 2-Fluorophenol			0.00377	0.0100		37.7	24.9	63.7	06/13/2011	
Surr: Nitrobenzene-d5			0.00318	0.00500		63.6	45.2	108	06/13/2011	
Surr: Phenol-d5			0.00260	0.0100		26.0	15.5	39.5	06/13/2011	
Surr: p-Terphenyl-d14			0.00311	0.00500		62.2	46	127	06/13/2011	

Batch 68855	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-68855									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010	S	0.00589	0.00500	0	117.8	0.004420	28.52	06/13/2011
Acenaphthylene	0.00010		0.00514	0.00500	0	102.8	0.004670	9.58	06/13/2011
Anthracene	0.00010		0.00465	0.00500	0	93.0	0.004220	9.70	06/13/2011
Benzo(a)anthracene	0.00010	S	0.00519	0.00500	0	103.8	0.004670	10.55	06/13/2011
Benzo(a)pyrene	0.00010		0.00587	0.00500	0	117.4	0.005360	9.08	06/13/2011
Benzo(b)fluoranthene	0.00010		0.00598	0.00500	0	119.6	0.006140	2.64	06/13/2011
Benzo(g,h,i)perylene	0.00010		0.00611	0.00500	0	122.2	0.005460	11.24	06/13/2011
Benzo(k)fluoranthene	0.00010		0.00613	0.00500	0	122.6	0.005460	11.56	06/13/2011
Chrysene	0.00010	S	0.00591	0.00500	0	118.2	0.005270	11.45	06/13/2011
Dibenzo(a,h)anthracene	0.00010	S	0.00638	0.00500	0	127.6	0.005560	13.74	06/13/2011
Fluoranthene	0.00010		0.00583	0.00500	0	116.6	0.005260	10.28	06/13/2011
Fluorene	0.00010		0.00529	0.00500	0	105.8	0.004760	10.55	06/13/2011
Naphthalene	0.00010		0.00443	0.00500	0	88.6	0.003980	10.70	06/13/2011
Phenanthrene	0.00010		0.00519	0.00500	0	103.8	0.004750	8.85	06/13/2011
Pyrene	0.00010	S	0.00582	0.00500	0	116.4	0.005290	9.54	06/13/2011
Surr: 2-Fluorobiphenyl			0.00283	0.00500		56.6			06/13/2011
Surr: 2-Fluorophenol			0.00386	0.0100		38.6			06/13/2011
Surr: Nitrobenzene-d5			0.00337	0.00500		67.4			06/13/2011
Surr: Phenol-d5			0.00269	0.0100		26.9			06/13/2011
Surr: p-Terphenyl-d14			0.00315	0.00500		63.0			06/13/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68918		SampType: MBLK		Units µg/L							
SampID: MBLK-T110610-1											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene		2.0		ND						06/10/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 68918 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110610-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	5.0		ND						06/10/2011
Toluene	5.0		ND						06/10/2011
Xylenes, Total	5.0		ND						06/10/2011
Surr: 1,2-Dichloroethane-d4			51.0	50.0		102.0	74.7	129	06/10/2011
Surr: 4-Bromofluorobenzene			50.0	50.0		100	86	119	06/10/2011
Surr: Dibromofluoromethane			50.9	50.0		101.7	81.7	123	06/10/2011
Surr: Toluene-d8			49.5	50.0		99.0	84.3	114	06/10/2011

Batch 68918 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-T110610-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.2	50.0	0	100.3	49.33	1.67	06/10/2011
Ethylbenzene	5.0		49.6	50.0	0	99.2	48.73	1.79	06/10/2011
Toluene	5.0		49.2	50.0	0	98.5	48.17	2.22	06/10/2011
Xylenes, Total	5.0		151	150	0	100.4	149.6	0.63	06/10/2011
Surr: 1,2-Dichloroethane-d4			51.7	50.0		103.4			06/10/2011
Surr: 4-Bromofluorobenzene			49.2	50.0		98.5			06/10/2011
Surr: Dibromofluoromethane			51.9	50.0		103.8			06/10/2011
Surr: Toluene-d8			49.4	50.0		98.8			06/10/2011

Batch 68918 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110610-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		49.3	50.0	0	98.7	82.7	117	06/10/2011
Ethylbenzene	5.0		48.7	50.0	0	97.5	83	113	06/10/2011
Toluene	5.0		48.2	50.0	0	96.3	79.6	116	06/10/2011
Xylenes, Total	5.0		150	150	0	99.7	80.3	120	06/10/2011
Surr: 1,2-Dichloroethane-d4			50.5	50.0		101.0	74.7	129	06/10/2011
Surr: 4-Bromofluorobenzene			48.6	50.0		97.3	86	119	06/10/2011
Surr: Dibromofluoromethane			51.4	50.0		102.8	81.7	123	06/10/2011
Surr: Toluene-d8			49.5	50.0		99.1	84.3	114	06/10/2011

Batch 68918 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11060554-003EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		60.7	60.0	0	101.2	57.8	125	06/10/2011
Ethylbenzene	5.0		64.3	60.0	0	107.1	72.8	123	06/10/2011
Toluene	5.0		60.9	60.0	0	101.5	75.8	123	06/10/2011
Xylenes, Total	5.0		122	120	0	101.6	73	127	06/10/2011
Surr: 1,2-Dichloroethane-d4			50.2	50.0		100.4	74.7	129	06/10/2011
Surr: 4-Bromofluorobenzene			52.2	50.0		104.3	86	119	06/10/2011
Surr: Dibromofluoromethane			48.6	50.0		97.2	81.7	123	06/10/2011
Surr: Toluene-d8			49.5	50.0		99.0	84.3	114	06/10/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68918		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11060554-003EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		61.1	60.0	0	101.8	60.71	0.66	06/10/2011
Ethylbenzene		5.0		62.8	60.0	0	104.7	64.28	2.27	06/10/2011
Toluene		5.0		60.8	60.0	0	101.3	60.87	0.13	06/10/2011
Xylenes, Total		5.0		119	120	0	99.3	122.0	2.34	06/10/2011
Surr: 1,2-Dichloroethane-d4				49.9	50.0		99.7			06/10/2011
Surr: 4-Bromofluorobenzene				51.0	50.0		101.9			06/10/2011
Surr: Dibromofluoromethane				50.6	50.0		101.2			06/10/2011
Surr: Toluene-d8				49.5	50.0		99.0			06/10/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060554

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 15-Jun-11

Carrier: Michael Flora

Received By: BSJ

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

10-Jun-11

10-Jun-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.6
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☐	No ☒		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

30984 T 060811 did not meet hold time requirements for BOD analysis. Pete Sazama was notified of the exceedance via voicemail. EAH 6/10/11

Chain of Custody Record

Project Name: Champaign MGP Project Mgr.: P. Szagana		Project Number: 624-0908-0120 Cost Code: 700Z	
Sampler(s): Flora		Name: Teklab, Inc	
Laboratory		Location: Collinsville, IL	
Sample Number and (depth)	Date	Time	Matrix
			Soil
			Water
			Air
			Wipes
			Other *
30984 T 060811	6/8/11	0830	X
4419 T 060911	6/9/11	1600	X
4091 T 061011	6/10/11	0930	X
PA1-01(3)	6/9/11	0915	X
PA1-02(3)		1010	X
PA1-03(3)		1110	X
PA1-04(3)		1245	X
PA1-05(3)		1330	X
PA1-06(3)		1525	X

Analyses by Method Name and Number		Total Number of Containers	
BTEX (8260)	X	5	
PNH (8270 SIM)	X	5	
RCRA Metals	X	5	
CN - total	X	5	
BOD	X	5	
PH, TSS	X	5	
VOC (8260)	X	5	
SVOC (8270)	X	5	

Comments (Field PID)		Lab ID #'s	
* RUSH *		1060554-cc1	
* RUSH *		cc2	
* RUSH *		cc3	

1 DAY	
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Lab Directives:	
Requested TAT: ☐ Rush ☐ 5 Days ☒ STD	Other: ☐
Fax and/or Mail Results to: P. Szagana, L. Hoosier	
Send Invoice to: B. Mathan	
QC Deliverable Requested: ☐ Full QC & Limits ☒ CLP-LIKE ☐ EDD ☐ Other	
Special Guidelines: IL TACD IAC 740/742	
Reporting Limits: IL TACD IAC 740/742	
* Special:	

Relinquished by:	
Signature: M. O. F. F.	Date: 6/10/11 Time: 1500
Carrier / Airbill No.	

Shipping:	
Received by:	
Signature: Brenda S. Davis	Date: 6/10/11 Time: 1500

June 20, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060729

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 6/15/2011 2:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
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Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11060729**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 20-Jun-11**Cooler Receipt Temp:** 1.0 °C

Locations and Accreditations

Collinsville

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

Lab ID: 11060729-001

Client Sample ID: 4860-treated-6/14/11

Matrix: AQUEOUS

Collection Date: 06/14/2011 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.35		1	06/15/2011 16:35	R150830
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	06/16/2011 9:15	R150848
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		29	mg/L	1	06/15/2011 19:10	68986
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		< 0.035	mg/L	5	06/16/2011 8:05	R150856
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035	S	0.187	mg/L	5	06/16/2011 8:05	R150856
<i>Sample concentration was greater than 5 times the spike concentration.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.018	mg/L	1	06/16/2011 11:35	68990
Barium	NELAP	0.0050		0.254	mg/L	1	06/16/2011 11:35	68990
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/16/2011 11:35	68990
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/16/2011 11:35	68990
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/16/2011 11:35	68990
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/16/2011 11:35	68990
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/16/2011 8:45	68989
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/16/2011 0:00	68998
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Anthracene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Chrysene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Fluorene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Pyrene	NELAP	0.00010		ND	mg/L	1	06/16/2011 12:23	68966
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/16/2011 12:23	68966
Surr: 2-Fluorobiphenyl		34.3-105		74.0	%REC	1	06/16/2011 12:23	68966
Surr: 2-Fluorophenol		19.9-55.7		42.1	%REC	1	06/16/2011 12:23	68966
Surr: Nitrobenzene-d5		36.4-127		76.2	%REC	1	06/16/2011 12:23	68966
Surr: Phenol-d5		8.95-38.5		27.1	%REC	1	06/16/2011 12:23	68966
Surr: p-Terphenyl-d14		6.05-133		80.8	%REC	1	06/16/2011 12:23	68966
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/15/2011 16:05	69007



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

Lab ID: 11060729-001

Client Sample ID: 4860-treated-6/14/11

Matrix: AQUEOUS

Collection Date: 06/14/2011 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/15/2011 16:05	69007
Toluene	NELAP	5.0		ND	µg/L	1	06/15/2011 16:05	69007
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/15/2011 16:05	69007
Surr: 1,2-Dichloroethane-d4		74.7-129		97.2	%REC	1	06/15/2011 16:05	69007
Surr: 4-Bromofluorobenzene		86-119		98.4	%REC	1	06/15/2011 16:05	69007
Surr: Dibromofluoromethane		81.7-123		101.4	%REC	1	06/15/2011 16:05	69007
Surr: Toluene-d8		84.3-114		98.3	%REC	1	06/15/2011 16:05	69007



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060729-001	4860-treated-6/14/11	Aqueous	5	06/14/2011 12:35

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060729-001A	4860-treated-6/14/11	06/14/2011 12:35	6/15/2011 2:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/15/2011 17:32	06/16/2011 12:23
11060729-001B	4860-treated-6/14/11	06/14/2011 12:35	6/15/2011 2:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/15/2011 16:35
	Standard Methods 18th Ed. 2540 D			06/16/2011 9:15
	Standard Methods 18th Ed. 5210 B		06/15/2011 19:10	06/15/2011 19:10
11060729-001C	4860-treated-6/14/11	06/14/2011 12:35	6/15/2011 2:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/15/2011 16:37	06/16/2011 11:35
	SW-846 3020A, Metals by GFAA (Total)		06/15/2011 15:48	06/16/2011 8:45
	SW-846 7470A (Total)		06/16/2011 8:30	06/16/2011 0:00
11060729-001D	4860-treated-6/14/11	06/14/2011 12:35	6/15/2011 2:30:00 PM	
	SW-846 9012A			06/16/2011 8:05
	SW-846 9012A (Total)			06/16/2011 8:05
11060729-001E	4860-treated-6/14/11	06/14/2011 12:35	6/15/2011 2:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/15/2011 16:05

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150830		SampType: LCS		Units						
SampID: LCS-R150830										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.8	06/15/2011

Batch R150830		SampType: DUP		Units				RPD Limit 10			
SampID: 11060729-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.35				9.350	0.00	06/15/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150848		SampType: MBLK		Units mg/L						
SampID: MB-R150848										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						06/16/2011

Batch R150848		SampType: LCS		Units mg/L					
SampID: LCS-R150848									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		99	100	0	99.0	85	115	06/16/2011
Total Suspended Solids	6		100	100	0	100	85	115	06/16/2011
Total Suspended Solids	6		102	100	0	102.0	85	115	06/16/2011

Batch R150848		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11060729-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		< 6				5.000	0.00	06/16/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 68986		SampType: LCS		Units mg/L						
SampID: LCS-68986										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		199	198	0	100.5	84.6	115.4	06/15/2011

Batch 68986		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11060729-001B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		29				29.00	0.00	
										06/15/2011

SW-846 9012A (TOTAL)

Batch R150856		SampType: MBLK	Units mg/L							
SampID: MB-R150856										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide	0.007		< 0.007						06/16/2011	
Cyanide	0.007		< 0.007						06/17/2011	
Cyanide	0.007		< 0.007						06/16/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 9012A (TOTAL)

Batch	R150856	SampType:	MBLK	Units mg/L						
SampID: MB-R150856				Date Analyzed						
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	

Batch R150856		SampType: LCS		Units mg/L						
SampID: LCS-R150856										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.023	0.025	0	93.3	90	110	06/16/2011	
Cyanide	0.007		0.023	0.025	0	92.2	85	115	06/16/2011	
Cyanide	0.007		0.025	0.025	0	98.8	90	110	06/16/2011	
Cyanide	0.007		0.024	0.025	0	96.3	85	115	06/17/2011	
Cyanide	0.007		0.024	0.025	0	97.8	85	115	06/17/2011	

Batch R150856		SampType: MS		Units mg/L						
SampID: 11060729-001DMS										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.035	S	0.219	0.025	0.1871	126.0	75	125	06/16/2011

Batch R150856		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11060729-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035	S	0.225	0.025	0.1871	151.2	0.2186	2.84	06/16/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 68990		SampType: MBLK	Units mg/L							
SampID: MB-68990										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/16/2011	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/17/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/16/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/17/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/17/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/16/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/17/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/16/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/17/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/16/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/17/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/16/2011	

Batch 68990		SampType: LCS		Units mg/L						
SampID: LCS-68990										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		1.83	2.00	0	91.6	85	115	06/16/2011
Arsenic		0.0250		1.84	2.00	0	92.0	85	115	06/17/2011
Barium		0.0050		1.80	2.00	0	90.0	85	115	06/17/2011
Barium		0.0050		1.87	2.00	0	93.6	85	115	06/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 68990 **SampType:** LCS **Units mg/L**
SampID: LCS-68990

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	0.0020		0.0462	0.0500	0	92.4	85	115	06/16/2011
Cadmium	0.0020		0.0456	0.0500	0	91.2	85	115	06/17/2011
Chromium	0.0100		0.184	0.200	0	92.1	85	115	06/17/2011
Chromium	0.0100		0.188	0.200	0	93.8	85	115	06/16/2011
Selenium	0.0500		1.77	2.00	0	88.3	85	115	06/17/2011
Selenium	0.0500		1.91	2.00	0	95.5	85	115	06/16/2011
Silver	0.0100		0.0478	0.0500	0	95.6	85	115	06/16/2011
Silver	0.0100		0.0457	0.0500	0	91.4	85	115	06/17/2011

Batch 68990 **SampType:** MS **Units mg/L**
SampID: 11060729-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.90	2.00	0.01850	94.0	75	125	06/16/2011
Barium	0.0050		2.07	2.00	0.2537	90.8	75	125	06/16/2011
Cadmium	0.0020		0.0443	0.0500	0	88.6	75	125	06/16/2011
Chromium	0.0100		0.189	0.200	0	94.4	75	125	06/16/2011
Selenium	0.0500		1.90	2.00	0	95.1	75	125	06/16/2011
Silver	0.0100		0.0467	0.0500	0	93.4	75	125	06/16/2011

Batch 68990 **SampType:** MSD **Units mg/L**
RPD Limit 20
SampID: 11060729-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		1.93	2.00	0.01850	95.6	1.898	1.67	06/16/2011
Barium	0.0050		2.10	2.00	0.2537	92.4	2.069	1.58	06/16/2011
Cadmium	0.0020		0.0457	0.0500	0	91.4	0.04430	3.11	06/16/2011
Chromium	0.0100		0.187	0.200	0	93.3	0.1888	1.17	06/16/2011
Selenium	0.0500		1.96	2.00	0	98.0	1.902	2.95	06/16/2011
Silver	0.0100		0.0474	0.0500	0	94.8	0.04670	1.49	06/16/2011

SW-846 3020A, METALS BY GFAA (TOTAL)
Batch 68989 **SampType:** MBLK **Units mg/L**
SampID: MB-68989

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	< 0.0020	0.0020	0	0	-100	100	06/16/2011

Batch 68989 **SampType:** LCS **Units mg/L**
SampID: LCS-68989

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0156	0.0150	0	104.0	80	120	06/16/2011

Batch 68989 **SampType:** MS **Units mg/L**
SampID: 11060729-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020	0.0168	0.0150	0	111.8	70	130	06/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 68989		SampType: MS		Units mg/L							
SampID: 11060729-001CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Batch 68989		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 11060729-001CMSD											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0159	0.0150	0	106.1	0.01677	5.21	06/16/2011	

SW-846 7470A (TOTAL)

Batch 68998		SampType: MBLK		Units mg/L						
SampID: MB-68998										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/16/2011

Batch 68998		SampType: LCS		Units mg/L						
SampID: LCS-68998										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00518	0.00500	0	103.6	85	115	06/16/2011

Batch 68998		SampType: MS		Units mg/L						
SampID: 11060729-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00483	0.00500	0	96.6	75	125	06/16/2011

Batch 68998		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11060729-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00484	0.00500	0	96.8	0.004830	0.21	06/16/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68966		SampType: MBLK	Units mg/L							
SampID: MB-68966										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		ND						06/16/2011	
Acenaphthene	0.00010		ND						06/16/2011	
Acenaphthylene	0.00010		ND						06/16/2011	
Anthracene	0.00010		ND						06/16/2011	
Anthracene	0.00010		ND						06/16/2011	
Benzo(a)anthracene	0.00010		ND						06/16/2011	
Benzo(a)pyrene	0.00010		ND						06/16/2011	
Benzo(b)fluoranthene	0.00010		ND						06/16/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/16/2011	
Benzo(k)fluoranthene	0.00010		ND						06/16/2011	
Chrysene	0.00010		ND						06/16/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/16/2011	
Fluoranthene	0.00010		ND						06/16/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68966		SampType: MBLK		Units mg/L						
SampID: MB-68966										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoranthene		0.00010		ND						06/16/2011
Fluorene		0.00010		ND						06/16/2011
Fluorene		0.00010		ND						06/16/2011
Naphthalene		0.00010		ND						06/16/2011
Naphthalene		0.00010		ND						06/16/2011
Phenanthrene		0.00010		ND						06/16/2011
Phenanthrene		0.00010		ND						06/16/2011
Pyrene		0.00010		ND						06/16/2011
Pyrene		0.00010		ND						06/16/2011
Total PNAs except Naphthalene		0.00013		ND						06/16/2011
Surr: 2-Fluorobiphenyl				0.00423	0.00500		84.6	45.4	97.6	06/16/2011
Surr: 2-Fluorobiphenyl				0.00385	0.00500		77.0	41.9	97.9	06/16/2011
Surr: 2-Fluorophenol				0.00545	0.0100		54.5	24.9	63.7	06/16/2011
Surr: Nitrobenzene-d5				0.00426	0.00500		85.2	45.2	108	06/16/2011
Surr: Nitrobenzene-d5				0.00352	0.00500		70.3	39.9	106	06/16/2011
Surr: Phenol-d5				0.00352	0.0100		35.2	15.5	39.5	06/16/2011
Surr: p-Terphenyl-d14				0.00472	0.00500		94.4	46	127	06/16/2011
Surr: p-Terphenyl-d14				0.00449	0.00500		89.9	53	116	06/16/2011

Batch 68966		SampType: LCS		Units mg/L						
SampID: LCS-68966										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00488	0.00500	0	97.6	50.1	103	06/16/2011	
Acenaphthene	0.00010		0.00393	0.00500	0	78.6	50.1	103	06/16/2011	
Acenaphthylene	0.00010		0.00404	0.00500	0	80.8	53.3	122	06/16/2011	
Anthracene	0.00010		0.00360	0.00500	0	72.0	57.4	110	06/16/2011	
Anthracene	0.00010		0.00427	0.00500	0	85.4	57.4	110	06/16/2011	
Benzo(a)anthracene	0.00010		0.00380	0.00500	0	76.0	56	102	06/16/2011	
Benzo(a)pyrene	0.00010		0.00404	0.00500	0	80.8	55.4	125	06/16/2011	
Benzo(b)fluoranthene	0.00010		0.00423	0.00500	0	84.6	59.3	127	06/16/2011	
Benzo(g,h,i)perylene	0.00010		0.00423	0.00500	0	84.6	58.4	125	06/16/2011	
Benzo(k)fluoranthene	0.00010		0.00424	0.00500	0	84.8	61.5	125	06/16/2011	
Chrysene	0.00010		0.00415	0.00500	0	83.0	58.7	118	06/16/2011	
Dibenzo(a,h)anthracene	0.00010		0.00448	0.00500	0	89.6	59.3	126	06/16/2011	
Fluoranthene	0.00010		0.00420	0.00500	0	84.0	60.1	117	06/16/2011	
Fluoranthene	0.00010		0.00369	0.00500	0	73.7	60.1	117	06/16/2011	
Fluorene	0.00010		0.00397	0.00500	0	79.3	54.1	110	06/16/2011	
Fluorene	0.00010		0.00423	0.00500	0	84.6	54.1	110	06/16/2011	
Naphthalene	0.00010		0.00380	0.00500	0	76.0	36.3	97.1	06/16/2011	
Naphthalene	0.00010		0.00369	0.00500	0	73.8	36.3	97.1	06/16/2011	
Phenanthrene	0.00010		0.00407	0.00500	0	81.4	55.9	107	06/16/2011	
Phenanthrene	0.00010		0.00374	0.00500	0	74.9	55.9	107	06/16/2011	
Pyrene	0.00010		0.00415	0.00500	0	83.0	61.4	116	06/16/2011	
Pyrene	0.00010		0.00352	0.00500	0	70.3	61.4	116	06/16/2011	
Surr: 2-Fluorobiphenyl			0.00351	0.00500		70.2	45.4	97.6	06/16/2011	
Surr: 2-Fluorobiphenyl			0.00353	0.00500		70.6	41.9	97.9	06/16/2011	
Surr: 2-Fluorophenol			0.00445	0.0100		44.5	24.9	63.7	06/16/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 68966		SampType: LCS		Units mg/L						
SampID: LCS-68966										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Nitrobenzene-d5				0.00407	0.00500		81.4	45.2	108	06/16/2011
Surr: Nitrobenzene-d5				0.00345	0.00500		69.0	39.9	106	06/16/2011
Surr: Phenol-d5				0.00296	0.0100		29.6	15.5	39.5	06/16/2011
Surr: p-Terphenyl-d14				0.00351	0.00500		70.3	53	116	06/16/2011
Surr: p-Terphenyl-d14				0.00404	0.00500		80.8	46	127	06/16/2011

Batch 68966	SampType: LCSD	Units mg/L						RPD Limit 40		
SampID: LCSD-68966										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00445	0.00500	0	89.0	0.003930	12.46		06/16/2011
Acenaphthene	0.00010		0.00461	0.00500	0	92.2	0.004880	5.69		06/16/2011
Acenaphthylene	0.00010		0.00451	0.00500	0	90.2	0.004040	10.99		06/16/2011
Anthracene	0.00010		0.00385	0.00500	0	76.9	0.003601	6.58		06/16/2011
Anthracene	0.00010		0.00460	0.00500	0	92.0	0.004270	7.44		06/16/2011
Benzo(a)anthracene	0.00010		0.00413	0.00500	0	82.6	0.003800	8.32		06/16/2011
Benzo(a)pyrene	0.00010		0.00433	0.00500	0	86.6	0.004040	6.93		06/16/2011
Benzo(b)fluoranthene	0.00010		0.00449	0.00500	0	89.8	0.004230	5.96		06/16/2011
Benzo(g,h,i)perylene	0.00010		0.00455	0.00500	0	91.0	0.004230	7.29		06/16/2011
Benzo(k)fluoranthene	0.00010		0.00461	0.00500	0	92.2	0.004240	8.36		06/16/2011
Chrysene	0.00010		0.00455	0.00500	0	91.0	0.004150	9.20		06/16/2011
Dibenzo(a,h)anthracene	0.00010		0.00477	0.00500	0	95.4	0.004480	6.27		06/16/2011
Fluoranthene	0.00010		0.00439	0.00500	0	87.8	0.004200	4.42		06/16/2011
Fluoranthene	0.00010		0.00391	0.00500	0	78.1	0.003687	5.77		06/16/2011
Fluorene	0.00010		0.00465	0.00500	0	93.0	0.004230	9.46		06/16/2011
Fluorene	0.00010		0.00436	0.00500	0	87.2	0.003966	9.46		06/16/2011
Naphthalene	0.00010		0.00414	0.00500	0	82.8	0.003800	8.56		06/16/2011
Naphthalene	0.00010		0.00398	0.00500	0	79.6	0.003692	7.56		06/16/2011
Phenanthrene	0.00010		0.00448	0.00500	0	89.6	0.004070	9.59		06/16/2011
Phenanthrene	0.00010		0.00408	0.00500	0	81.5	0.003745	8.49		06/16/2011
Pyrene	0.00010		0.00380	0.00500	0	76.0	0.003516	7.82		06/16/2011
Pyrene	0.00010		0.00451	0.00500	0	90.2	0.004150	8.31		06/16/2011
Surr: 2-Fluorobiphenyl			0.00367	0.00500		73.3				06/16/2011
Surr: 2-Fluorobiphenyl			0.00364	0.00500		72.8				06/16/2011
Surr: 2-Fluorophenol			0.00514	0.0100		51.4				06/16/2011
Surr: Nitrobenzene-d5			0.00376	0.00500		75.1				06/16/2011
Surr: Nitrobenzene-d5			0.00439	0.00500		87.8				06/16/2011
Surr: Phenol-d5			0.00317	0.0100		31.7				06/16/2011
Surr: p-Terphenyl-d14			0.00372	0.00500		74.5				06/16/2011
Surr: p-Terphenyl-d14			0.00421	0.00500		84.2				06/16/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69007		SampType: MBLK		Units µg/L						
SampID: MBLK-T110615-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		ND						06/15/2011	
Ethylbenzene	5.0		ND						06/15/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69007 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110615-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Toluene	5.0		ND						06/15/2011
Xylenes, Total	5.0		ND						06/15/2011
Surr: 1,2-Dichloroethane-d4			50.9	50.0		101.7	74.7	129	06/15/2011
Surr: 4-Bromofluorobenzene			50.0	50.0		100	86	119	06/15/2011
Surr: Dibromofluoromethane			51.1	50.0		102.3	81.7	123	06/15/2011
Surr: Toluene-d8			49.9	50.0		99.8	84.3	114	06/15/2011

Batch 69007 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-T110615-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		49.3	50.0	0	98.6	51.16	3.74	06/15/2011
Ethylbenzene	5.0		48.4	50.0	0	96.9	49.29	1.76	06/15/2011
Toluene	5.0		47.3	50.0	0	94.6	49.09	3.69	06/15/2011
Xylenes, Total	5.0		147	150	0	98.1	150.2	2.04	06/15/2011
Surr: 1,2-Dichloroethane-d4			51.6	50.0		103.2			06/15/2011
Surr: 4-Bromofluorobenzene			49.7	50.0		99.5			06/15/2011
Surr: Dibromofluoromethane			52.0	50.0		103.9			06/15/2011
Surr: Toluene-d8			49.1	50.0		98.2			06/15/2011

Batch 69007 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110615-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		51.2	50.0	0	102.3	82.7	117	06/15/2011
Ethylbenzene	5.0		49.3	50.0	0	98.6	83	113	06/15/2011
Toluene	5.0		49.1	50.0	0	98.2	79.6	116	06/15/2011
Xylenes, Total	5.0		150	150	0	100.1	80.3	120	06/15/2011
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.7	74.7	129	06/15/2011
Surr: 4-Bromofluorobenzene			50.1	50.0		100.2	86	119	06/15/2011
Surr: Dibromofluoromethane			53.4	50.0		106.7	81.7	123	06/15/2011
Surr: Toluene-d8			49.7	50.0		99.3	84.3	114	06/15/2011

Batch 69007 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11060729-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		60.8	60.0	0	101.3	57.8	125	06/15/2011
Ethylbenzene	5.0		66.7	60.0	0	111.2	72.8	123	06/15/2011
Toluene	5.0		63.0	60.0	0	105.1	75.8	123	06/15/2011
Xylenes, Total	5.0		128	120	0	106.9	73	127	06/15/2011
Surr: 1,2-Dichloroethane-d4			50.0	50.0		99.9	74.7	129	06/15/2011
Surr: 4-Bromofluorobenzene			50.4	50.0		100.8	86	119	06/15/2011
Surr: Dibromofluoromethane			51.0	50.0		102.1	81.7	123	06/15/2011
Surr: Toluene-d8			50.2	50.0		100.5	84.3	114	06/15/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69007		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11060729-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		61.2	60.0	0	102.1	60.79	0.74	06/15/2011	
Ethylbenzene	5.0		66.4	60.0	0	110.7	66.72	0.42	06/15/2011	
Toluene	5.0		62.7	60.0	0	104.5	63.04	0.52	06/15/2011	
Xylenes, Total	5.0		129	120	0	107.7	128.2	0.74	06/15/2011	
Surr: 1,2-Dichloroethane-d4			50.7	50.0		101.4			06/15/2011	
Surr: 4-Bromofluorobenzene			50.0	50.0		100			06/15/2011	
Surr: Dibromofluoromethane			51.2	50.0		102.4			06/15/2011	
Surr: Toluene-d8			49.2	50.0		98.4			06/15/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060729

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 20-Jun-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

15-Jun-11

15-Jun-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 1.0

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10028

11060729

Project Name: Champaign MGP Project Mgr.: P. Szarna

Project Number: 624-0908-0120 Cost Code: 0002

Sampler(s): J. Purdy

Laboratory Name: Texlab

Location: Collinsville, IL

Sample Number and (depth) 41860-treated-6/14/11 Date 6/14/11 Time 1235

Matrix	Analyses by Method Name and Number			
	Soil	Water	Air	Wipes
Other *				

Total Number of Containers			
BTEX (8260)	X		
SVC (8205ms)	X		
PCPA metals	X		
Total cyanide	X		
Amenable cyanide	X		
TSS	X		
PH	X		
BOD	X		

Officer's name: 6/15/11

Laboratory Temperature upon Receipt
1.0

Preserved by BSS 06/15/11

Comments (Field PID)

Lab ID #s
11060729-cc1

Texlab, Inc.
Courier Pick Up

1 DAY

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃)
☒ Metals Nitric acid
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: P. Szarna, L. Hoosier
Send Invoice to: B. Martin
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature Pennado A.P. Date 6/15/11 Time 1040

Received by:

Signature [Signature] Date 6/15/11 Time 1430

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC
PE-179 (6/03)

GREEN to Sampler

Shaded Areas to be Completed by Lab

June 22, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060799

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 6/16/2011 3:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

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Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|---|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| M - Manual Integration used to determine area response | ND - Not Detected at the Reporting Limit |
| R - RPD outside accepted recovery limits | S - Spike Recovery outside recovery limits |
| X - Value exceeds Maximum Contaminant Level | |

Client: PSC Industrial Outsourcing, LP**Work Order:** 11060799**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 22-Jun-11**Cooler Receipt Temp:** 2.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

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Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

Lab ID: 11060799-001

Client Sample ID: 4419-treated-6/15/11

Matrix: AQUEOUS

Collection Date: 06/15/2011 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.60		1	06/16/2011 17:03	R150893
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	06/17/2011 9:00	R150907
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		35	mg/L	1	06/17/2011 13:00	69047
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.038	J	0.034	mg/L	5	06/17/2011 8:27	R150856
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.038		0.159	mg/L	5	06/17/2011 8:27	R150856
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.0096	mg/L	1	06/17/2011 8:46	69016
Barium	NELAP	0.0050		0.214	mg/L	1	06/17/2011 8:46	69016
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/17/2011 8:46	69016
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/17/2011 8:46	69016
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/17/2011 8:46	69016
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/17/2011 8:46	69016
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	06/17/2011 9:20	69020
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/17/2011 10:20	69025
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Anthracene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Chrysene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Fluorene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Pyrene	NELAP	0.00010		ND	mg/L	1	06/17/2011 10:39	69023
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/17/2011 10:39	69023
Surr: 2-Fluorobiphenyl		34.3-105		83.0	%REC	1	06/17/2011 10:39	69023
Surr: 2-Fluorophenol		19.9-55.7		37.1	%REC	1	06/17/2011 10:39	69023
Surr: Nitrobenzene-d5		36.4-127		78.6	%REC	1	06/17/2011 10:39	69023
Surr: Phenol-d5		8.95-38.5		24.9	%REC	1	06/17/2011 10:39	69023
Surr: p-Terphenyl-d14		6.05-133		77.2	%REC	1	06/17/2011 10:39	69023
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/16/2011 16:33	69035
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/16/2011 16:33	69035

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Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

Lab ID: 11060799-001

Client Sample ID: 4419-treated-6/15/11

Matrix: AQUEOUS

Collection Date: 06/15/2011 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	06/16/2011 16:33	69035
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/16/2011 16:33	69035
Surr: 1,2-Dichloroethane-d4		74.7-129		103.3	%REC	1	06/16/2011 16:33	69035
Surr: 4-Bromofluorobenzene		86-119		99.5	%REC	1	06/16/2011 16:33	69035
Surr: Dibromofluoromethane		81.7-123		103.6	%REC	1	06/16/2011 16:33	69035
Surr: Toluene-d8		84.3-114		97.8	%REC	1	06/16/2011 16:33	69035



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060799-001	4419-treated-6/15/11	Aqueous	5	06/15/2011 15:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060799-001A	4419-treated-6/15/11	06/15/2011 15:00	6/16/2011 3:05:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/16/2011 17:45	06/17/2011 10:39
11060799-001B	4419-treated-6/15/11	06/15/2011 15:00	6/16/2011 3:05:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/16/2011 17:03
	Standard Methods 18th Ed. 2540 D			06/17/2011 9:00
	Standard Methods 18th Ed. 5210 B		06/17/2011 13:00	06/17/2011 13:00
11060799-001C	4419-treated-6/15/11	06/15/2011 15:00	6/16/2011 3:05:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/16/2011 16:26	06/17/2011 8:46
	SW-846 3020A, Metals by GFAA (Total)		06/16/2011 16:24	06/17/2011 9:20
	SW-846 7470A (Total)		06/17/2011 7:55	06/17/2011 10:20
11060799-001D	4419-treated-6/15/11	06/15/2011 15:00	6/16/2011 3:05:00 PM	
	SW-846 9012A			06/17/2011 8:27
	SW-846 9012A (Total)			06/17/2011 8:27
11060799-001E	4419-treated-6/15/11	06/15/2011 15:00	6/16/2011 3:05:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/16/2011 16:33

Client: PSC Industrial Outsourcing, LP

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Report Date: 22-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150893		SampType: LCS		Units						
SampID: LCS-R150893										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.8	06/16/2011

Batch R150893		SampType: DUP		Units				RPD Limit 10			
SampID: 11060799-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.67				9.600	0.73	06/16/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150907		SampType: MBLK		Units mg/L						
SampID: MB-R150907										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						06/17/2011

Batch R150907		SampType: LCS		Units mg/L						
SampID: LCS-R150907										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Suspended Solids	6		91	100	0	91.0	85	115	06/17/2011	
Total Suspended Solids	6		95	100	0	95.0	85	115	06/17/2011	
Total Suspended Solids	6		100	100	0	100	85	115	06/17/2011	

Batch R150907		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11060799-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	06/17/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 69047		SampType: LCS		Units mg/L						
SampID: LCS-69047										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		183	198	0	92.4	84.6	115.4	06/17/2011

Batch 69047		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11060799-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		31				35.00	12.12	06/17/2011	

SW-846 9012A (TOTAL)

Batch R150856		SampType: MBLK		Units mg/L						
SampID: MB-R150856										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						06/16/2011
Cyanide		0.007		< 0.007						06/17/2011
Cyanide		0.007		< 0.007						06/16/2011

Client: PSC Industrial Outsourcing, LP

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SW-846 9012A (TOTAL)
Batch R150856 **SampType:** MBLK Units **mg/L**

SampID: MB-R150856

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch R150856 **SampType:** LCS Units **mg/L**

SampID: LCS-R150856

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.007		0.023	0.025	0	93.3	90	110	06/16/2011
Cyanide	0.007		0.025	0.025	0	98.8	90	110	06/16/2011
Cyanide	0.007		0.024	0.025	0	96.3	85	115	06/17/2011
Cyanide	0.007		0.024	0.025	0	97.8	85	115	06/17/2011
Cyanide	0.007		0.023	0.025	0	92.2	85	115	06/16/2011

Batch R150856 **SampType:** MS Units **mg/L**

SampID: 11060799-001DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.036		0.186	0.025	0.1593	105.7	75	125	06/17/2011

Batch R150856 **SampType:** MSD Units **mg/L**

SampID: 11060799-001DMSD

 RPD Limit **15**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.036		0.179	0.025	0.1593	77.9	0.1857	3.82	06/17/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 69016 **SampType:** MBLK Units **mg/L**

SampID: MB-69016

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/17/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/17/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/17/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/17/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/17/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/17/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/17/2011

Batch 69016 **SampType:** LCS Units **mg/L**

SampID: LCS-69016

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.00	2.00	0	100.2	85	115	06/17/2011
Barium	0.0050		1.95	2.00	0	97.4	85	115	06/17/2011
Cadmium	0.0020		0.0489	0.0500	0	97.8	85	115	06/17/2011
Chromium	0.0100		0.208	0.200	0	104.2	85	115	06/17/2011
Chromium	0.0100		0.198	0.200	0	98.8	85	115	06/17/2011
Selenium	0.0500		1.90	2.00	0	95.2	85	115	06/17/2011
Silver	0.0100		0.0492	0.0500	0	98.4	85	115	06/17/2011

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SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69016		SampType: MS		Units mg/L						
SampID: 11060799-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		2.09	2.00	0.009600	104.2	75	125	06/17/2011	
Barium	0.0050		2.16	2.00	0.2137	97.4	75	125	06/17/2011	
Cadmium	0.0020		0.0484	0.0500	0	96.8	75	125	06/17/2011	
Chromium	0.0100		0.199	0.200	0	99.5	75	125	06/17/2011	
Selenium	0.0500		1.94	2.00	0	97.2	75	125	06/17/2011	
Silver	0.0100		0.0502	0.0500	0	100.4	75	125	06/17/2011	

Batch 69016		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11060799-001CMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic	0.0250		2.09	2.00	0.009600	103.9	2.094	0.29	06/17/2011	
Barium	0.0050		2.14	2.00	0.2137	96.5	2.162	0.84	06/17/2011	
Cadmium	0.0020		0.0483	0.0500	0	96.6	0.04840	0.21	06/17/2011	
Chromium	0.0100		0.198	0.200	0	98.8	0.1990	0.71	06/17/2011	
Selenium	0.0500		1.94	2.00	0	97.0	1.943	0.21	06/17/2011	
Silver	0.0100		0.0493	0.0500	0	98.6	0.05020	1.81	06/17/2011	

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69020		SampType: MBLK		Units mg/L						
SampID: MB-69020										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/17/2011

Batch 69020		SampType: LCS		Units mg/L						
SampID: LCS-69020		Date Analyzed								
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0142	0.0150	0	94.5	80	120	06/17/2011

Batch 69020		SampType: MS		Units mg/L						
SampID: 11060799-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0134	0.0150	0.0006673	85.1	70	130	06/17/2011

Batch 69020		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11060799-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0126	0.0150	0.0006673	79.7	0.01344	6.20	06/17/2011

SW-846 7470A (TOTAL)

Batch 69025		SampType: MBLK		Units mg/L						
SampID: MB-69025										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/17/2011

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Report Date: 22-Jun-11

SW-846 7470A (TOTAL)

Batch 69025		SampType: MBLK		Units mg/L							
SampID: MB-69025											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch 69025		SampType: LCS		Units mg/L						
SampID: LCS-69025										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00499	0.00500	0	99.8	85	115	06/17/2011

Batch 69025		SampType: MS		Units mg/L						
SampID: 11060799-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00466	0.00500	0	93.2	75	125	06/17/2011

Batch 69025		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11060799-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00454	0.00500	0	90.8	0.004660	2.61	06/17/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69023	SampType: MBLK	Units mg/L								
SampID: MB-69023										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						06/17/2011	
Acenaphthene	0.00010		ND						06/17/2011	
Acenaphthylene	0.00010		ND						06/17/2011	
Anthracene	0.00010		ND						06/17/2011	
Anthracene	0.00010		ND						06/17/2011	
Benzo(a)anthracene	0.00010		ND						06/17/2011	
Benzo(a)pyrene	0.00010		ND						06/17/2011	
Benzo(b)fluoranthene	0.00010		ND						06/17/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/17/2011	
Benzo(k)fluoranthene	0.00010		ND						06/17/2011	
Chrysene	0.00010		ND						06/17/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/17/2011	
Fluoranthene	0.00010		ND						06/17/2011	
Fluoranthene	0.00010		ND						06/17/2011	
Fluorene	0.00010		ND						06/17/2011	
Fluorene	0.00010		ND						06/17/2011	
Naphthalene	0.00010		ND						06/17/2011	
Naphthalene	0.00010		ND						06/17/2011	
Phenanthrene	0.00010		ND						06/17/2011	
Phenanthrene	0.00010		ND						06/17/2011	
Pyrene	0.00010		ND						06/17/2011	
Pyrene	0.00010		ND						06/17/2011	
Total PNAs except Naphthalene	0.00013		ND						06/17/2011	
Surr: 2-Fluorobiphenyl			0.00434	0.00500		86.8	41.9	97.9	06/17/2011	
Surr: 2-Fluorobiphenyl			0.00421	0.00500		84.2	45.4	97.6	06/17/2011	
Surr: 2-Fluorophenol			0.00498	0.0100		49.8	16.1	79.2	06/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69023		SampType: MBLK		Units mg/L							
SampID: MB-69023											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Surr: 2-Fluorophenol				0.00459	0.0100		45.9	24.9	63.7	06/17/2011	
Surr: Nitrobenzene-d5				0.00490	0.00500		97.9	39.9	106	06/17/2011	
Surr: Nitrobenzene-d5				0.00402	0.00500		80.4	45.2	108	06/17/2011	
Surr: Phenol-d5				0.00349	0.0100		34.9	9.94	53.7	06/17/2011	
Surr: Phenol-d5				0.00300	0.0100		30.0	15.5	39.5	06/17/2011	
Surr: p-Terphenyl-d14				0.00440	0.00500		88.0	53	116	06/17/2011	
Surr: p-Terphenyl-d14				0.00437	0.00500		87.4	46	127	06/17/2011	

Batch 69023		SampType: LCS		Units mg/L						
SampID: LCS-69023										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		0.00494	0.00500	0	98.8	50.1	103	06/17/2011	
Acenaphthene	0.00010		0.00477	0.00500	0	95.4	50.1	103	06/17/2011	
Acenaphthylene	0.00010		0.00482	0.00500	0	96.4	53.3	122	06/17/2011	
Anthracene	0.00010		0.00484	0.00500	0	96.8	57.4	110	06/17/2011	
Anthracene	0.00010		0.00498	0.00500	0	99.6	57.4	110	06/17/2011	
Benzo(a)anthracene	0.00010		0.00449	0.00500	0	89.8	56	102	06/17/2011	
Benzo(a)pyrene	0.00010		0.00471	0.00500	0	94.2	55.4	125	06/17/2011	
Benzo(b)fluoranthene	0.00010		0.00491	0.00500	0	98.2	59.3	127	06/17/2011	
Benzo(g,h,i)perylene	0.00010		0.00503	0.00500	0	100.6	58.4	125	06/17/2011	
Benzo(k)fluoranthene	0.00010		0.00505	0.00500	0	101.0	61.5	125	06/17/2011	
Chrysene	0.00010		0.00485	0.00500	0	97.0	58.7	118	06/17/2011	
Dibenzo(a,h)anthracene	0.00010		0.00529	0.00500	0	105.8	59.3	126	06/17/2011	
Fluoranthene	0.00010		0.00496	0.00500	0	99.2	60.1	117	06/17/2011	
Fluoranthene	0.00010		0.00473	0.00500	0	94.6	60.1	117	06/17/2011	
Fluorene	0.00010		0.00505	0.00500	0	101.0	54.1	110	06/17/2011	
Fluorene	0.00010		0.00499	0.00500	0	99.8	54.1	110	06/17/2011	
Naphthalene	0.00010		0.00473	0.00500	0	94.6	36.3	97.1	06/17/2011	
Naphthalene	0.00010		0.00442	0.00500	0	88.4	36.3	97.1	06/17/2011	
Phenanthrene	0.00010		0.00479	0.00500	0	95.8	55.9	107	06/17/2011	
Phenanthrene	0.00010		0.00530	0.00500	0	106.0	55.9	107	06/17/2011	
Pyrene	0.00010		0.00492	0.00500	0	98.4	61.4	116	06/17/2011	
Pyrene	0.00010		0.00469	0.00500	0	93.8	61.4	116	06/17/2011	
Surr: 2-Fluorobiphenyl			0.00381	0.00500		76.3	41.9	97.9	06/17/2011	
Surr: 2-Fluorobiphenyl			0.00410	0.00500		82.0	45.4	97.6	06/17/2011	
Surr: 2-Fluorophenol			0.00477	0.0100		47.7	24.9	63.7	06/17/2011	
Surr: 2-Fluorophenol			0.00532	0.0100		53.2	16.1	79.2	06/17/2011	
Surr: Nitrobenzene-d5			0.00471	0.00500		94.2	39.9	106	06/17/2011	
Surr: Nitrobenzene-d5			0.00410	0.00500		82.0	45.2	108	06/17/2011	
Surr: Phenol-d5			0.00360	0.0100		36.0	9.94	53.7	06/17/2011	
Surr: Phenol-d5			0.00317	0.0100		31.7	15.5	39.5	06/17/2011	
Surr: p-Terphenyl-d14			0.00423	0.00500		84.6	53	116	06/17/2011	
Surr: p-Terphenyl-d14			0.00448	0.00500		89.6	46	127	06/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69023	SampType: LCSD	Units mg/L					RPD Limit 40		
SampID: LCSD-69023									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00440	0.00500	0	88.0	0.004768	8.07	06/17/2011
Acenaphthene	0.00010		0.00494	0.00500	0	98.8	0.004940	0.00	06/17/2011
Acenaphthylene	0.00010		0.00484	0.00500	0	96.8	0.004820	0.41	06/17/2011
Anthracene	0.00010		0.00452	0.00500	0	90.3	0.004839	6.91	06/17/2011
Anthracene	0.00010		0.00498	0.00500	0	99.6	0.004980	0.00	06/17/2011
Benzo(a)anthracene	0.00010		0.00457	0.00500	0	91.4	0.004490	1.77	06/17/2011
Benzo(a)pyrene	0.00010		0.00491	0.00500	0	98.2	0.004710	4.16	06/17/2011
Benzo(b)fluoranthene	0.00010		0.00491	0.00500	0	98.2	0.004910	0.00	06/17/2011
Benzo(g,h,i)perylene	0.00010		0.00502	0.00500	0	100.4	0.005030	0.20	06/17/2011
Benzo(k)fluoranthene	0.00010		0.00505	0.00500	0	101.0	0.005050	0.00	06/17/2011
Chrysene	0.00010		0.00491	0.00500	0	98.2	0.004850	1.23	06/17/2011
Dibenzo(a,h)anthracene	0.00010		0.00523	0.00500	0	104.6	0.005290	1.14	06/17/2011
Fluoranthene	0.00010		0.00436	0.00500	0	87.2	0.004730	8.10	06/17/2011
Fluoranthene	0.00010		0.00496	0.00500	0	99.2	0.004960	0.00	06/17/2011
Fluorene	0.00010		0.00464	0.00500	0	92.8	0.005049	8.49	06/17/2011
Fluorene	0.00010		0.00491	0.00500	0	98.2	0.004990	1.62	06/17/2011
Naphthalene	0.00010		0.00433	0.00500	0	86.6	0.004420	2.06	06/17/2011
Naphthalene	0.00010		0.00417	0.00500	0	83.5	0.004729	12.49	06/17/2011
Phenanthrene	0.00010		0.00484	0.00500	0	96.8	0.004790	1.04	06/17/2011
Phenanthrene	0.00010		0.00487	0.00500	0	97.4	0.005300	8.44	06/17/2011
Pyrene	0.00010		0.00498	0.00500	0	99.6	0.004920	1.21	06/17/2011
Pyrene	0.00010		0.00434	0.00500	0	86.8	0.004691	7.73	06/17/2011
Surr: 2-Fluorobiphenyl			0.00352	0.00500		70.4			06/17/2011
Surr: 2-Fluorobiphenyl			0.00402	0.00500		80.4			06/17/2011
Surr: 2-Fluorophenol			0.00495	0.0100		49.5			06/17/2011
Surr: 2-Fluorophenol			0.00505	0.0100		50.5			06/17/2011
Surr: Nitrobenzene-d5			0.00376	0.00500		75.2			06/17/2011
Surr: Nitrobenzene-d5			0.00421	0.00500		84.1			06/17/2011
Surr: Phenol-d5			0.00324	0.0100		32.4			06/17/2011
Surr: Phenol-d5			0.00320	0.0100		32.0			06/17/2011
Surr: p-Terphenyl-d14			0.00388	0.00500		77.5			06/17/2011
Surr: p-Terphenyl-d14			0.00460	0.00500		92.0			06/17/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69035		SampType: MBLK		Units µg/L					
SampID: MBLK-T110616-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						06/16/2011
Ethylbenzene	5.0		ND						06/16/2011
Toluene	5.0		ND						06/16/2011
Xylenes, Total	5.0		ND						06/16/2011
Surr: 1,2-Dichloroethane-d4			51.4	50.0		102.9	74.7	129	06/16/2011
Surr: 4-Bromofluorobenzene			49.6	50.0		99.2	86	119	06/16/2011
Surr: Dibromofluoromethane			50.9	50.0		101.8	81.7	123	06/16/2011
Surr: Toluene-d8			48.9	50.0		97.8	84.3	114	06/16/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69035		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110616-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Benzene	2.0		48.8	50.0	0	97.7	50.97	4.25	06/16/2011	
Ethylbenzene	5.0		47.5	50.0	0	95.0	49.14	3.37	06/16/2011	
Toluene	5.0		46.5	50.0	0	93.0	48.33	3.84	06/16/2011	
Xylenes, Total	5.0		142	150	0	94.5	147.8	4.23	06/16/2011	
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.3			06/16/2011	
Surr: 4-Bromofluorobenzene			50.6	50.0		101.2			06/16/2011	
Surr: Dibromofluoromethane			53.0	50.0		106.0			06/16/2011	
Surr: Toluene-d8			49.1	50.0		98.3			06/16/2011	

Batch 69035		SampType: LCS		Units µg/L					
SampID: LCS-T110616-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		51.0	50.0	0	101.9	82.7	117	06/16/2011
Ethylbenzene	5.0		49.1	50.0	0	98.3	83	113	06/16/2011
Toluene	5.0		48.3	50.0	0	96.7	79.6	116	06/16/2011
Xylenes, Total	5.0		148	150	0	98.5	80.3	120	06/16/2011
Surr: 1,2-Dichloroethane-d4			53.1	50.0		106.3	74.7	129	06/16/2011
Surr: 4-Bromofluorobenzene			49.5	50.0		99.0	86	119	06/16/2011
Surr: Dibromofluoromethane			53.0	50.0		106.1	81.7	123	06/16/2011
Surr: Toluene-d8			49.2	50.0		98.4	84.3	114	06/16/2011

Batch 69035		SampType: MS		Units µg/L					
SampID: 11060799-001EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		60.4	60.0	0	100.7	57.8	125	06/16/2011
Ethylbenzene	5.0		63.7	60.0	0	106.2	72.8	123	06/16/2011
Toluene	5.0		60.9	60.0	0	101.5	75.8	123	06/16/2011
Xylenes, Total	5.0		123	120	0	102.3	73	127	06/16/2011
Surr: 1,2-Dichloroethane-d4			50.8	50.0		101.5	74.7	129	06/16/2011
Surr: 4-Bromofluorobenzene			50.8	50.0		101.7	86	119	06/16/2011
Surr: Dibromofluoromethane			51.2	50.0		102.3	81.7	123	06/16/2011
Surr: Toluene-d8			48.8	50.0		97.5	84.3	114	06/16/2011

Batch 69035		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11060799-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		59.1	60.0	0	98.5	60.44	2.21	06/16/2011	
Ethylbenzene	5.0		64.4	60.0	0	107.4	63.71	1.09	06/16/2011	
Toluene	5.0		60.9	60.0	0	101.5	60.88	0.02	06/16/2011	
Xylenes, Total	5.0		125	120	0	104.3	122.7	1.99	06/16/2011	
Surr: 1,2-Dichloroethane-d4			50.6	50.0		101.1			06/16/2011	
Surr: 4-Bromofluorobenzene			49.6	50.0		99.2			06/16/2011	
Surr: Dibromofluoromethane			50.7	50.0		101.4			06/16/2011	
Surr: Toluene-d8			49.0	50.0		98.0			06/16/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060799

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 22-Jun-11

Carrier: Jennafer Purdy

Received By: TWM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

16-Jun-11

16-Jun-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

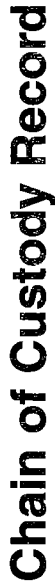
No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

63209011

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid	
☒ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. Szazama + L. Hoosier

Send Invoice to: B. Martin

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:	
	Carrier / Airbill No.

Relinquished by:	
Signature	Date
	6/16/11

Received by:	
Signature	Date
	6/16/11

Distribution:	WHITE to Lab	CANARY to PM	PINK to QA/QC	GREEN to Sampler
PE-179 (6/03)				

June 23, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11060857

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 6/17/2011 1:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Cooler Receipt Temp: 2.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

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Lenexa, KS 66214

Phone (913) 541-1998

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Lab ID: 11060857-001

Client Sample ID: 6773-treated-6/16/11

Matrix: AQUEOUS

Collection Date: 06/16/2011 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		10.1		1	06/17/2011 16:30	R150937
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	06/20/2011 9:30	R150988
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		32	mg/L	1	06/17/2011 17:30	69047
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035	J	0.031	mg/L	5	06/20/2011 9:18	R150994
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035	S	0.116	mg/L	5	06/20/2011 9:18	R150994
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/20/2011 14:24	69046
Barium	NELAP	0.0050		0.205	mg/L	1	06/20/2011 14:24	69046
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/20/2011 14:24	69046
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/20/2011 14:24	69046
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/20/2011 14:24	69046
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/20/2011 14:24	69046
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/20/2011 12:26	69056
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/20/2011 14:17	69058
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Anthracene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Chrysene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Fluorene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Pyrene	NELAP	0.00010		ND	mg/L	1	06/20/2011 12:08	69049
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/20/2011 12:08	69049
Surr: 2-Fluorobiphenyl		34.3-105		83.0	%REC	1	06/20/2011 12:08	69049
Surr: 2-Fluorophenol		19.9-55.7		40.9	%REC	1	06/20/2011 12:08	69049
Surr: Nitrobenzene-d5		36.4-127		80.4	%REC	1	06/20/2011 12:08	69049
Surr: Phenol-d5		8.95-38.5		28.4	%REC	1	06/20/2011 12:08	69049
Surr: p-Terphenyl-d14		6.05-133		97.6	%REC	1	06/20/2011 12:08	69049
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/17/2011 20:20	69068



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Lab ID: 11060857-001

Client Sample ID: 6773-treated-6/16/11

Matrix: AQUEOUS

Collection Date: 06/16/2011 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/17/2011 20:20	69068
Toluene	NELAP	5.0		ND	µg/L	1	06/17/2011 20:20	69068
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/17/2011 20:20	69068
Surr: 1,2-Dichloroethane-d4		74.7-129		104.1	%REC	1	06/17/2011 20:20	69068
Surr: 4-Bromofluorobenzene		86-119		104.9	%REC	1	06/17/2011 20:20	69068
Surr: Dibromofluoromethane		81.7-123		103.0	%REC	1	06/17/2011 20:20	69068
Surr: Toluene-d8		84.3-114		96.9	%REC	1	06/17/2011 20:20	69068



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11060857-001	6773-treated-6/16/11	Aqueous	5	06/16/2011 14:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11060857-001A	6773-treated-6/16/11	06/16/2011 14:45	6/17/2011 1:20:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/17/2011 18:22	06/20/2011 12:08
11060857-001B	6773-treated-6/16/11	06/16/2011 14:45	6/17/2011 1:20:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/17/2011 16:30
	Standard Methods 18th Ed. 2540 D			06/20/2011 9:30
	Standard Methods 18th Ed. 5210 B		06/17/2011 17:30	06/17/2011 17:30
11060857-001C	6773-treated-6/16/11	06/16/2011 14:45	6/17/2011 1:20:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/17/2011 17:44	06/20/2011 14:24
	SW-846 3020A, Metals by GFAA (Total)		06/20/2011 8:01	06/20/2011 12:26
	SW-846 7470A (Total)		06/20/2011 8:31	06/20/2011 14:17
11060857-001D	6773-treated-6/16/11	06/16/2011 14:45	6/17/2011 1:20:00 PM	
	SW-846 9012A			06/20/2011 9:18
	SW-846 9012A (Total)			06/20/2011 9:18
11060857-001E	6773-treated-6/16/11	06/16/2011 14:45	6/17/2011 1:20:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/17/2011 20:20

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R150937		SampType: LCS		Units							
SampID: LCS-R150937											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.04	7.00	0	100.6	99.1	100.8	06/17/2011	

Batch R150937		SampType: DUP		Units				RPD Limit 10			
SampID: 11060857-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		10.1				10.12	0.00	06/17/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R150988		SampType: MBLK		Units mg/L							
SampID: MB-R150988											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						06/20/2011	

Batch R150988		SampType: LCS		Units mg/L						
SampID: LCS-R150988										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		96	100	0	96.0	85	115	06/20/2011	
Total Suspended Solids	6		93	100	0	93.0	85	115	06/20/2011	
Total Suspended Solids	6		96	100	0	96.0	85	115	06/20/2011	

Batch R150988		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11060857-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	06/20/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 69047		SampType: LCS		Units mg/L						
SampID: LCS-69047										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		183	198	0	92.4	84.6	115.4	06/17/2011

Batch 69047		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11060857-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		32				32.00	0.00	06/17/2011	

SW-846 9012A (TOTAL)

Batch R150994		SampType: MBLK		Units mg/L						
SampID: MB-R150994										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide	0.007		< 0.007						06/20/2011	
Cyanide	0.007		< 0.007						06/20/2011	
Cyanide	0.007		< 0.007						06/20/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

SW-846 9012A (TOTAL)
Batch R150994 **SampType: MBLK** Units **mg/L**

SampID: MB-R150994

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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Batch R150994 **SampType: LCS** Units **mg/L**

SampID: LCS-R150994

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.007		0.027	0.025	0	106.7	85	115	06/20/2011
Cyanide	0.007		0.022	0.025	0	88.5	85	115	06/20/2011
Cyanide	0.007		0.024	0.025	0	95.6	90	110	06/20/2011

Batch R150994 **SampType: MS** Units **mg/L**

SampID: 11060857-001DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.035		0.147	0.025	0.1158	123.1	75	125	06/20/2011

Batch R150994 **SampType: MSD** Units **mg/L**

SampID: 11060857-001DMSD

 RPD Limit **15**

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.036	S	0.151	0.025	0.1158	141.8	0.1466	3.14	06/20/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)
Batch 69046 **SampType: MBLK** Units **mg/L**

SampID: MB-69046

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/20/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/20/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/20/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/20/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/20/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/20/2011

Batch 69046 **SampType: LCS** Units **mg/L**

SampID: LCS-69046

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.01	2.00	0	100.4	85	115	06/20/2011
Barium	0.0050		2.04	2.00	0	102.0	85	115	06/20/2011
Cadmium	0.0020		0.0503	0.0500	0	100.6	85	115	06/20/2011
Chromium	0.0100		0.204	0.200	0	102.0	85	115	06/20/2011
Selenium	0.0500		1.94	2.00	0	96.8	85	115	06/20/2011
Silver	0.0100		0.0509	0.0500	0	101.8	85	115	06/20/2011

Batch 69046 **SampType: MS** Units **mg/L**

SampID: 11060857-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.00	2.00	0	100	75	125	06/20/2011
Barium	0.0050		2.10	2.00	0.2046	95.0	75	125	06/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69046		SampType: MS		Units mg/L						
SampID: 11060857-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cadmium	0.0020		0.0475	0.0500	0	95.0	75	125	06/20/2011	
Chromium	0.0100		0.193	0.200	0	96.7	75	125	06/20/2011	
Selenium	0.0500		1.89	2.00	0	94.6	75	125	06/20/2011	
Silver	0.0100		0.0498	0.0500	0	99.6	75	125	06/20/2011	

Batch 69046		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11060857-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.10	2.00	0	105.2	2.001	5.02	
Barium		0.0050		2.19	2.00	0.2046	99.1	2.104	3.87	
Cadmium		0.0020		0.0498	0.0500	0	99.6	0.04750	4.73	
Chromium		0.0100		0.202	0.200	0	101.0	0.1934	4.30	
Selenium		0.0500		1.99	2.00	0	99.5	1.891	5.10	
Silver		0.0100		0.0519	0.0500	0	103.8	0.04980	4.13	

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69056		SampType: MBLK		Units mg/L						Date Analyzed	
SampID: MB-69056											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/20/2011	

Batch 69056		SampType: LCS		Units mg/L						
SampID: LCS-69056										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0131	0.0150	0	87.6	80	120	06/20/2011

Batch 69056		SampType: MS		Units mg/L						Date Analyzed
SampID: 11060857-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0134	0.0150	0	89.1	70	130	

Batch 69056		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11060857-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0135	0.0150	0	89.7	0.01337	0.64	

SW-846 7470A (TOTAL)

Batch 69058		SampType: MBLK		Units mg/L						
SampID: MB-69058										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		< 0.00020	0.00020	0	0	-100	100	06/20/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

SW-846 7470A (TOTAL)

Batch 69058		SampType: LCS		Units mg/L						
SampID: LCS-69058										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00494	0.00500	0	98.8	85	115	06/20/2011	

Batch 69058		SampType: MS		Units mg/L						Date Analyzed
SampID: 11060857-001CMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury	0.00020		0.00476	0.00500	0	95.2	75	125	06/20/2011	

Batch 69058		SampType: MSD	Units mg/L				RPD Limit 15		
SampID: 11060857-001CMSD									Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD
Mercury		0.00020		0.00476	0.00500	0	95.2	0.004760	0.00

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69049		SampType: MBLK		Units mg/L						
SampID: MB-69049										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						06/20/2011	
Acenaphthylene	0.00010		ND						06/20/2011	
Anthracene	0.00010		ND						06/20/2011	
Benzo(a)anthracene	0.00010		ND						06/20/2011	
Benzo(a)pyrene	0.00010		ND						06/20/2011	
Benzo(b)fluoranthene	0.00010		ND						06/20/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/20/2011	
Benzo(k)fluoranthene	0.00010		ND						06/20/2011	
Chrysene	0.00010		ND						06/20/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/20/2011	
Fluoranthene	0.00010		ND						06/20/2011	
Fluorene	0.00010		ND						06/20/2011	
Naphthalene	0.00010		ND						06/20/2011	
Phenanthrene	0.00010		ND						06/20/2011	
Pyrene	0.00010		ND						06/20/2011	
Total PNAs except Naphthalene	0.00013		ND						06/20/2011	
Surr: 2-Fluorobiphenyl			0.00410	0.00500		82.0	45.4	97.6	06/20/2011	
Surr: 2-Fluorophenol			0.00459	0.0100		45.9	24.9	63.7	06/20/2011	
Surr: Nitrobenzene-d5			0.00389	0.00500		77.8	45.2	108	06/20/2011	
Surr: Phenol-d5			0.00293	0.0100		29.3	15.5	39.5	06/20/2011	
Surr: p-Terphenyl-d14			0.00463	0.00500		92.6	46	127	06/20/2011	

Batch 69049		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-69049										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00478	0.00500	0	95.6	50.1	103		
Acenaphthylene	0.00010		0.00470	0.00500	0	94.0	53.3	122		
Anthracene	0.00010		0.00468	0.00500	0	93.6	57.4	110		
Benzo(a)anthracene	0.00010		0.00428	0.00500	0	85.6	56	102		

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69049		SampType: LCS		Units mg/L						
SampID: LCS-69049										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzo(a)pyrene	0.00010		0.00465	0.00500	0	93.0	55.4	125	06/20/2011	
Benzo(b)fluoranthene	0.00010		0.00474	0.00500	0	94.8	59.3	127	06/20/2011	
Benzo(g,h,i)perylene	0.00010		0.00491	0.00500	0	98.2	58.4	125	06/20/2011	
Benzo(k)fluoranthene	0.00010		0.00483	0.00500	0	96.6	61.5	125	06/20/2011	
Chrysene	0.00010		0.00469	0.00500	0	93.8	58.7	118	06/20/2011	
Dibenzo(a,h)anthracene	0.00010		0.00515	0.00500	0	103.0	59.3	126	06/20/2011	
Fluoranthene	0.00010		0.00476	0.00500	0	95.2	60.1	117	06/20/2011	
Fluorene	0.00010		0.00498	0.00500	0	99.6	54.1	110	06/20/2011	
Naphthalene	0.00010		0.00425	0.00500	0	85.0	36.3	97.1	06/20/2011	
Phenanthrene	0.00010		0.00462	0.00500	0	92.4	55.9	107	06/20/2011	
Pyrene	0.00010		0.00485	0.00500	0	97.0	61.4	116	06/20/2011	
Surr: 2-Fluorobiphenyl			0.00401	0.00500		80.2	45.4	97.6	06/20/2011	
Surr: 2-Fluorophenol			0.00462	0.0100		46.2	24.9	63.7	06/20/2011	
Surr: Nitrobenzene-d5			0.00385	0.00500		77.0	45.2	108	06/20/2011	
Surr: Phenol-d5			0.00288	0.0100		28.8	15.5	39.5	06/20/2011	
Surr: p-Terphenyl-d14			0.00462	0.00500		92.4	46	127	06/20/2011	

Batch 69049	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-69049									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00468	0.00500	0	93.6	0.004780	2.11	06/20/2011
Acenaphthylene	0.00010		0.00458	0.00500	0	91.6	0.004700	2.59	06/20/2011
Anthracene	0.00010		0.00438	0.00500	0	87.6	0.004680	6.62	06/20/2011
Benzo(a)anthracene	0.00010		0.00444	0.00500	0	88.8	0.004280	3.67	06/20/2011
Benzo(a)pyrene	0.00010		0.00473	0.00500	0	94.6	0.004650	1.71	06/20/2011
Benzo(b)fluoranthene	0.00010		0.00481	0.00500	0	96.2	0.004740	1.47	06/20/2011
Benzo(g,h,i)perylene	0.00010		0.00502	0.00500	0	100.4	0.004910	2.22	06/20/2011
Benzo(k)fluoranthene	0.00010		0.00492	0.00500	0	98.4	0.004830	1.85	06/20/2011
Chrysene	0.00010		0.00485	0.00500	0	97.0	0.004690	3.35	06/20/2011
Dibenzo(a,h)anthracene	0.00010		0.00533	0.00500	0	106.6	0.005150	3.44	06/20/2011
Fluoranthene	0.00010		0.00433	0.00500	0	86.6	0.004760	9.46	06/20/2011
Fluorene	0.00010		0.00510	0.00500	0	102.0	0.004980	2.38	06/20/2011
Naphthalene	0.00010		0.00427	0.00500	0	85.4	0.004250	0.47	06/20/2011
Phenanthrene	0.00010		0.00413	0.00500	0	82.6	0.004620	11.20	06/20/2011
Pyrene	0.00010		0.00437	0.00500	0	87.4	0.004850	10.41	06/20/2011
Surr: 2-Fluorobiphenyl			0.00393	0.00500		78.6			06/20/2011
Surr: 2-Fluorophenol			0.00453	0.0100		45.3			06/20/2011
Surr: Nitrobenzene-d5			0.00383	0.00500		76.6			06/20/2011
Surr: Phenol-d5			0.00286	0.0100		28.6			06/20/2011
Surr: p-Terphenyl-d14			0.00399	0.00500		79.8			06/20/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69068		SampType: MBLK		Units µg/L							
SampID: MBLK-T110617-1											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene		2.0		ND						06/17/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69068 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110617-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	5.0		ND						06/17/2011
Toluene	5.0		ND						06/17/2011
Xylenes, Total	5.0		ND						06/17/2011
Surr: 1,2-Dichloroethane-d4			49.8	50.0		99.6	74.7	129	06/17/2011
Surr: 4-Bromofluorobenzene			49.4	50.0		98.7	86	119	06/17/2011
Surr: Dibromofluoromethane			50.8	50.0		101.5	81.7	123	06/17/2011
Surr: Toluene-d8			48.9	50.0		97.7	84.3	114	06/17/2011

Batch 69068 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-T110617-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.9	50.0	0	101.7	51.99	2.18	06/17/2011
Ethylbenzene	5.0		48.8	50.0	0	97.6	49.88	2.19	06/17/2011
Toluene	5.0		47.9	50.0	0	95.7	49.16	2.68	06/17/2011
Xylenes, Total	5.0		146	150	0	97.3	154.0	5.34	06/17/2011
Surr: 1,2-Dichloroethane-d4			52.4	50.0		104.8			06/17/2011
Surr: 4-Bromofluorobenzene			51.0	50.0		102.0			06/17/2011
Surr: Dibromofluoromethane			52.1	50.0		104.1			06/17/2011
Surr: Toluene-d8			48.7	50.0		97.3			06/17/2011

Batch 69068 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110617-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		52.0	50.0	0	104.0	82.7	117	06/17/2011
Ethylbenzene	5.0		49.9	50.0	0	99.8	83	113	06/17/2011
Toluene	5.0		49.2	50.0	0	98.3	79.6	116	06/17/2011
Xylenes, Total	5.0		154	150	0	102.7	80.3	120	06/17/2011
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.8	74.7	129	06/17/2011
Surr: 4-Bromofluorobenzene			50.2	50.0		100.5	86	119	06/17/2011
Surr: Dibromofluoromethane			52.6	50.0		105.2	81.7	123	06/17/2011
Surr: Toluene-d8			49.5	50.0		99.0	84.3	114	06/17/2011

Batch 69068 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11060857-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		58.9	60.0	0	98.2	57.8	125	06/17/2011
Ethylbenzene	5.0		63.3	60.0	0	105.5	72.8	123	06/17/2011
Toluene	5.0		59.9	60.0	0	99.8	75.8	123	06/17/2011
Xylenes, Total	5.0		119	120	0	99.0	73	127	06/17/2011
Surr: 1,2-Dichloroethane-d4			51.8	50.0		103.7	74.7	129	06/17/2011
Surr: 4-Bromofluorobenzene			51.7	50.0		103.5	86	119	06/17/2011
Surr: Dibromofluoromethane			51.2	50.0		102.4	81.7	123	06/17/2011
Surr: Toluene-d8			48.2	50.0		96.4	84.3	114	06/17/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69068		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: 1,2-Dichloroethane-d4				59.3	60.0	0	98.8	58.91	0.61	06/17/2011
Surr: 4-Bromofluorobenzene				65.1	60.0	0	108.5	63.29	2.77	06/17/2011
Surr: Dibromofluoromethane				60.1	60.0	0	100.2	59.89	0.38	06/17/2011
Surr: Toluene-d8				123	120	0	102.6	118.8	3.56	06/17/2011
Benzene		2.0		51.5	50.0		103.0			06/17/2011
Ethylbenzene		5.0		51.6	50.0		103.3			06/17/2011
Toluene		5.0		50.2	50.0		100.4			06/17/2011
Xylenes, Total		5.0		48.5	50.0		97.0			06/17/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11060857

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 23-Jun-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

17-Jun-11

17-Jun-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. **B** 10034

11060857

Project Name: Champaign MGP		Project Mgr.: P. Sazama	
Project Number: 624-0908-0120		Cost Code: J0002	
Sampler(s): J. Purdy	Matrix		
Laboratory	Name: TekLab	Water	Soil
Location: Collinsville, IL		Air	Wipes
Sample Number and (depth)		Date	Time
6773-treated-6/16/11		6/16/11	1445
Total Number of Containers		Total Number of Containers	
Other *		Other *	
SVC (8220sims)		X	
RCRA metals		X	
Total Cyanide		X	
Ameyable Cyanide		X	
TSS, PH		X	
BOD		X	
Comments (Field PID)		Lab ID #'s	
11060857-001		11060857-001	

Laboratory
Temperature upon
Receipt
2.4°C JCC
✓ P. Sazama M.D.H.
6/17/11

1 DAY
TekLab, Inc.
Courier Pickup

Samples Iced: ☒ Yes ☐ No	Lab Directives: Requested TAT: ☒ Rush Fax and/or Mail Results to: P. Sazama, L. Hoosier Send Invoice to: B. Martin QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other Special Guidelines: Reporting Limits: * Special:
Preservatives (ONLY for Water Samples) ☒ Volatile Organics ☐ VOC Soil (5035) ☐ TPH ☒ Metals ☒ Cyanide ☐ Other (Specify) _____	Hydrochloric acid (HCl) Sodium Bisulfate/Methanol Hydrochloric acid and/or Sulfuric acid (HNO₃) Nitric acid Sodium hydroxide (NaOH)

Shipping: Carrier / Airbill No.	Relinquished by: Signature Pennapoor P. Sazama Date 6/17/11 Time 10:05
Received by: Signature Mary D. Stirling II Date 6/17/11 Time 1320	Shaded Areas to be Completed by Lab

Distribution: **WHITE** to Lab **CANARY** to PM **PINK** to QA/QC **GREEN** to Sampler
PE-179 (6/03)

June 28, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11061035

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 6/22/2011 3:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11061035**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 28-Jun-11**Cooler Receipt Temp:** 5.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		5/31/2011	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

Lab ID: 11061035-001

Client Sample ID: 3286-treated-6/22/11

Matrix: AQUEOUS

Collection Date: 06/22/2011 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.33		1	06/22/2011 17:04	R151129
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		12	mg/L	1	06/23/2011 11:45	R151162
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5	S	36	mg/L	1	06/23/2011 12:20	69163
<i>Laboratory control sample did not recover within QC limits. LCS recovered outside of the acceptable range at 71.21%. The acceptable range is 84.6%-115.4%.</i>								
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035	J	0.022	mg/L	5	06/23/2011 8:26	R151159
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035		0.113	mg/L	5	06/23/2011 8:26	R151159
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.010	mg/L	1	06/23/2011 9:49	69141
Barium	NELAP	0.0050		0.273	mg/L	1	06/23/2011 9:49	69141
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/23/2011 9:49	69141
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/23/2011 9:49	69141
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/23/2011 9:49	69141
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/23/2011 9:49	69141
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0005	mg/L	1	06/23/2011 13:15	69142
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/23/2011 8:20	69114
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Anthracene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Chrysene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Fluorene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Pyrene	NELAP	0.00010		ND	mg/L	1	06/24/2011 20:10	69195
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/24/2011 20:10	69195
Surr: 2-Fluorobiphenyl		34.3-105		80.2	%REC	1	06/24/2011 20:10	69195
Surr: 2-Fluorophenol		19.9-55.7		39.4	%REC	1	06/24/2011 20:10	69195
Surr: Nitrobenzene-d5		36.4-127		74.0	%REC	1	06/24/2011 20:10	69195
Surr: Phenol-d5		8.95-38.5		27.4	%REC	1	06/24/2011 20:10	69195
Surr: p-Terphenyl-d14		6.05-133		75.8	%REC	1	06/24/2011 20:10	69195
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2011 21:15	69161

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

Lab ID: 11061035-001

Client Sample ID: 3286-treated-6/22/11

Matrix: AQUEOUS

Collection Date: 06/22/2011 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2011 21:15	69161
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2011 21:15	69161
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/22/2011 21:15	69161
Surr: 1,2-Dichloroethane-d4		74.7-129		98.9	%REC	1	06/22/2011 21:15	69161
Surr: 4-Bromofluorobenzene		86-119		96.0	%REC	1	06/22/2011 21:15	69161
Surr: Dibromofluoromethane		81.7-123		106.1	%REC	1	06/22/2011 21:15	69161
Surr: Toluene-d8		84.3-114		97.0	%REC	1	06/22/2011 21:15	69161



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11061035-001	3286-treated-6/22/11	Aqueous	5	06/22/2011 10:15

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11061035-001A	3286-treated-6/22/11	06/22/2011 10:15	6/22/2011 3:00:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/24/2011 14:30	06/24/2011 20:10
11061035-001B	3286-treated-6/22/11	06/22/2011 10:15	6/22/2011 3:00:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/22/2011 17:04
	Standard Methods 18th Ed. 2540 D			06/23/2011 11:45
	Standard Methods 18th Ed. 5210 B		06/23/2011 12:20	06/23/2011 12:20
11061035-001C	3286-treated-6/22/11	06/22/2011 10:15	6/22/2011 3:00:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/22/2011 16:56	06/23/2011 9:49
	SW-846 3020A, Metals by GFAA (Total)		06/22/2011 19:06	06/23/2011 13:15
	SW-846 7470A (Total)		06/23/2011 7:33	06/23/2011 8:20
11061035-001D	3286-treated-6/22/11	06/22/2011 10:15	6/22/2011 3:00:00 PM	
	SW-846 9012A			06/23/2011 8:26
	SW-846 9012A (Total)			06/23/2011 8:26
11061035-001E	3286-treated-6/22/11	06/22/2011 10:15	6/22/2011 3:00:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2011 21:15

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R151129		SampType: LCS		Units						
SampID: LCS-R151129										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.8	06/22/2011

Batch R151129		SampType: DUP		Units				RPD Limit 10			
SampID: 11061035-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.33				9.330	0.00	06/22/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R151162		SampType: MBLK		Units mg/L							
SampID: MB-R151162											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						06/23/2011	

Batch R151162		SampType: LCS		Units mg/L						
SampID: LCS-R151162										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		92	100	0	92.0	85	115	06/23/2011	
Total Suspended Solids	6		100	100	0	100	85	115	06/23/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	06/23/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	06/23/2011	

Batch R151162		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11061035-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		12				12.00	0.00	06/23/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 69163		SampType: LCS		Units mg/L							
SampID: LCS-69163											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand		5	S	141	198	0	71.2	84.6	115.4	06/23/2011	

Batch 69163		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11061035-001B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		42				36.00	15.38	06/23/2011	

SW-846 9012A (TOTAL)

Batch R151159		SampType: MBLK		Units mg/L						
SampID: MB-R151159										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		< 0.007						06/23/2011	
Cyanide	0.007		< 0.007						06/24/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

SW-846 9012A (TOTAL)

Batch R151159		SampType: MBLK		Units mg/L					Date Analyzed
SampID: MB-R151159									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide	0.007		< 0.007						

Batch R151159		SampType: LCS		Units mg/L						
SampID: LCS-R151159										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.022	0.025	0	88.8	85	115	06/24/2011	
Cyanide	0.007		0.023	0.025	0	91.0	90	110	06/24/2011	
Cyanide	0.007		0.023	0.025	0	93.5	90	110	06/23/2011	

Batch R151159		SampType: MS		Units mg/L						Date Analyzed
SampID: 11061035-001DMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide	0.035		0.143	0.025	0.1129	119.8	75	125	06/23/2011	

Batch R151159		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11061035-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035		0.137	0.025	0.1129	96.6	0.1428	4.15	06/23/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69141		SampType: MBLK		Units mg/L						
SampID: MB-69141										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/23/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/23/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/23/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/23/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/23/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/23/2011	

Batch 69141		SampType: LCS		Units mg/L					
SampID: LCS-69141									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.16	2.00	0	108.1	85	115	06/23/2011
Barium	0.0050		2.10	2.00	0	104.8	85	115	06/23/2011
Cadmium	0.0020		0.0519	0.0500	0	103.8	85	115	06/23/2011
Chromium	0.0100		0.207	0.200	0	103.7	85	115	06/23/2011
Selenium	0.0500		2.07	2.00	0	103.4	85	115	06/23/2011
Silver	0.0100		0.0525	0.0500	0	105.0	85	115	06/23/2011

Batch 69141		SampType: MS		Units mg/L						Date Analyzed
SampID: 11061035-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		2.16	2.00	0.01000	107.4	75	125	

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69141		SampType: MS		Units mg/L						
SampID: 11061035-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Barium	0.0050		2.24	2.00	0.2727	98.5	75	125	06/23/2011	
Cadmium	0.0020		0.0488	0.0500	0	97.6	75	125	06/23/2011	
Chromium	0.0100		0.199	0.200	0	99.3	75	125	06/23/2011	
Selenium	0.0500		2.06	2.00	0	102.8	75	125	06/23/2011	
Silver	0.0100		0.0511	0.0500	0	102.2	75	125	06/23/2011	

Batch 69141		SampType: MSD	Units mg/L				RPD Limit 20		
SampID: 11061035-001CMSD									Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD
Arsenic		0.0250		2.09	2.00	0.01000	104.0	2.158	3.20
Barium		0.0050		2.22	2.00	0.2727	97.5	2.242	0.90
Cadmium		0.0020		0.0474	0.0500	0	94.8	0.04880	2.91
Chromium		0.0100		0.196	0.200	0	97.8	0.1986	1.52
Selenium		0.0500		1.98	2.00	0	98.9	2.056	3.92
Silver		0.0100		0.0505	0.0500	0	101.0	0.05110	1.18

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69142		SampType: MBLK		Units mg/L						
SampID: MB-69142										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/23/2011

Batch 69142		SampType: LCS		Units mg/L							
SampID: LCS-69142											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	7421	0.0020		0.0146	0.0150	0	97.7	80	120	06/23/2011	

Batch 69142		SampType: MS		Units mg/L						
SampID: 11061035-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0139	0.0150	0.0004771	89.4	70	130	06/23/2011

Batch 69142		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11061035-001CMSD										Date	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Lead	7421	0.0020		0.0140	0.0150	0.0004771	89.8	0.01389	0.43	06/23/2011	

SW-846 7470A (TOTAL)

Batch 69114		SampType: MBLK		Units mg/L						
SampID: MB-69114										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/23/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

SW-846 7470A (TOTAL)

Batch 69114		SampType: LCS		Units mg/L					Date Analyzed
SampID: LCS-69114									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury	0.00020		0.00446	0.00500	0	89.2	85	115	

Batch 69114		SampType: MS		Units mg/L						
SampID: 11061035-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00488	0.00500	0	97.6	75	125	06/23/2011	

Batch 69114		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11061035-001CMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury	0.00020		0.00486	0.00500	0	97.2	0.004880	0.41	06/23/2011	

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69108	SampType: MBLK	Units mg/L								
SampID: MB-69108										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND							06/23/2011
Acenaphthylene	0.00010		ND							06/23/2011
Anthracene	0.00010		ND							06/23/2011
Benzo(a)anthracene	0.00010		ND							06/23/2011
Benzo(a)pyrene	0.00010		ND							06/23/2011
Benzo(b)fluoranthene	0.00010		ND							06/23/2011
Benzo(g,h,i)perylene	0.00010		ND							06/23/2011
Benzo(k)fluoranthene	0.00010		ND							06/23/2011
Chrysene	0.00010		ND							06/23/2011
Dibenzo(a,h)anthracene	0.00010		ND							06/23/2011
Fluoranthene	0.00010		ND							06/23/2011
Fluorene	0.00010		ND							06/23/2011
Naphthalene	0.00010		ND							06/23/2011
Phenanthrene	0.00010		ND							06/23/2011
Pyrene	0.00010		ND							06/23/2011
Total PNAs except Naphthalene	0.00013		ND							06/23/2011
Surr: 2-Fluorobiphenyl			0.00396	0.00500		79.2	45.4	97.6		06/23/2011
Surr: 2-Fluorophenol			0.00520	0.0100		52.0	24.9	63.7		06/23/2011
Surr: Nitrobenzene-d5			0.00393	0.00500		78.6	45.2	108		06/23/2011
Surr: Phenol-d5			0.00318	0.0100		31.8	15.5	39.5		06/23/2011
Surr: p-Terphenyl-d14			0.00452	0.00500		90.4	46	127		06/23/2011

Batch 69195		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-69195										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						06/24/2011	
Acenaphthylene	0.00010		ND						06/24/2011	
Anthracene	0.00010		ND						06/24/2011	
Benzo(a)anthracene	0.00010		ND						06/24/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69195		SampType: MBLK		Units mg/L						
SampID: MB-69195										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzo(a)pyrene	0.00010		ND						06/24/2011	
Benzo(b)fluoranthene	0.00010		ND						06/24/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/24/2011	
Benzo(k)fluoranthene	0.00010		ND						06/24/2011	
Chrysene	0.00010		ND						06/24/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/24/2011	
Fluoranthene	0.00010		ND						06/24/2011	
Fluorene	0.00010		ND						06/24/2011	
Naphthalene	0.00010		ND						06/24/2011	
Phenanthrene	0.00010		ND						06/24/2011	
Pyrene	0.00010		ND						06/24/2011	
Total PNAs except Naphthalene	0.00013		ND						06/24/2011	
Surr: 2-Fluorobiphenyl			0.00401	0.00500		80.2	45.4	97.6	06/24/2011	
Surr: 2-Fluorophenol			0.00530	0.0100		53.0	24.9	63.7	06/24/2011	
Surr: Nitrobenzene-d5			0.00378	0.00500		75.6	45.2	108	06/24/2011	
Surr: Phenol-d5			0.00309	0.0100		30.9	15.5	39.5	06/24/2011	
Surr: p-Terphenyl-d14			0.00451	0.00500		90.2	46	127	06/24/2011	

Batch 69195		SampType: LCS		Units mg/L						
SampID: LCS-69195										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Acenaphthene		0.00010		0.00393	0.00500	0	78.6	50.1	103	06/24/2011
Acenaphthylene		0.00010		0.00402	0.00500	0	80.4	53.3	122	06/24/2011
Anthracene		0.00010		0.00404	0.00500	0	80.8	57.4	110	06/24/2011
Benzo(a)anthracene		0.00010		0.00392	0.00500	0	78.4	56	102	06/24/2011
Benzo(a)pyrene		0.00010		0.00404	0.00500	0	80.8	55.4	125	06/24/2011
Benzo(b)fluoranthene		0.00010		0.00445	0.00500	0	89.0	59.3	127	06/24/2011
Benzo(g,h,i)perylene		0.00010		0.00433	0.00500	0	86.6	58.4	125	06/24/2011
Benzo(k)fluoranthene		0.00010		0.00435	0.00500	0	87.0	61.5	125	06/24/2011
Chrysene		0.00010		0.00402	0.00500	0	80.4	58.7	118	06/24/2011
Dibenzo(a,h)anthracene		0.00010		0.00447	0.00500	0	89.4	59.3	126	06/24/2011
Fluoranthene		0.00010		0.00416	0.00500	0	83.2	60.1	117	06/24/2011
Fluorene		0.00010		0.00419	0.00500	0	83.8	54.1	110	06/24/2011
Naphthalene		0.00010		0.00358	0.00500	0	71.6	36.3	97.1	06/24/2011
Phenanthrene		0.00010		0.00393	0.00500	0	78.6	55.9	107	06/24/2011
Pyrene		0.00010		0.00414	0.00500	0	82.8	61.4	116	06/24/2011
Surr: 2-Fluorobiphenyl				0.00398	0.00500		79.6	45.4	97.6	06/24/2011
Surr: 2-Fluorophenol				0.00530	0.0100		53.0	24.9	63.7	06/24/2011
Surr: Nitrobenzene-d5				0.00376	0.00500		75.2	45.2	108	06/24/2011
Surr: Phenol-d5				0.00317	0.0100		31.7	15.5	39.5	06/24/2011
Surr: p-Terphenyl-d14				0.00450	0.00500		90.0	46	127	06/24/2011

Batch 69195		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-69195										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.00010		0.00408	0.00500	0	81.6	0.003930	3.75	06/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69195	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-69195									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthylene	0.00010		0.00416	0.00500	0	83.2	0.004020	3.42	06/24/2011
Anthracene	0.00010		0.00411	0.00500	0	82.2	0.004040	1.72	06/24/2011
Benzo(a)anthracene	0.00010		0.00405	0.00500	0	81.0	0.003920	3.26	06/24/2011
Benzo(a)pyrene	0.00010		0.00406	0.00500	0	81.2	0.004040	0.49	06/24/2011
Benzo(b)fluoranthene	0.00010		0.00453	0.00500	0	90.6	0.004450	1.78	06/24/2011
Benzo(g,h,i)perylene	0.00010		0.00438	0.00500	0	87.6	0.004330	1.15	06/24/2011
Benzo(k)fluoranthene	0.00010		0.00451	0.00500	0	90.2	0.004350	3.61	06/24/2011
Chrysene	0.00010		0.00412	0.00500	0	82.4	0.004020	2.46	06/24/2011
Dibenzo(a,h)anthracene	0.00010		0.00455	0.00500	0	91.0	0.004470	1.77	06/24/2011
Fluoranthene	0.00010		0.00427	0.00500	0	85.4	0.004160	2.61	06/24/2011
Fluorene	0.00010		0.00429	0.00500	0	85.8	0.004190	2.36	06/24/2011
Naphthalene	0.00010		0.00376	0.00500	0	75.2	0.003580	4.90	06/24/2011
Phenanthrene	0.00010		0.00404	0.00500	0	80.8	0.003930	2.76	06/24/2011
Pyrene	0.00010		0.00426	0.00500	0	85.2	0.004140	2.86	06/24/2011
Surr: 2-Fluorobiphenyl			0.00390	0.00500		78.0			06/24/2011
Surr: 2-Fluorophenol			0.00503	0.0100		50.3			06/24/2011
Surr: Nitrobenzene-d5			0.00367	0.00500		73.4			06/24/2011
Surr: Phenol-d5			0.00300	0.0100		30.0			06/24/2011
Surr: p-Terphenyl-d14			0.00435	0.00500		87.0			06/24/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69161		SampType: MBLK		Units µg/L						
SampID: MBLK-R110622-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						06/22/2011
Ethylbenzene		5.0		ND						06/22/2011
Toluene		5.0		ND						06/22/2011
Xylenes, Total		5.0		ND						06/22/2011
Surr: 1,2-Dichloroethane-d4				46.7	50.0		93.4	74.7	129	06/22/2011
Surr: 4-Bromofluorobenzene				48.5	50.0		97.1	86	119	06/22/2011
Surr: Dibromofluoromethane				49.7	50.0		99.4	81.7	123	06/22/2011
Surr: Toluene-d8				49.3	50.0		98.6	84.3	114	06/22/2011

Batch 69161		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110622-1										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Benzene		2.0		48.8	50.0	0	97.7	51.03	4.37	06/22/2011
Ethylbenzene		5.0		46.0	50.0	0	92.1	48.15	4.46	06/22/2011
Toluene		5.0		46.1	50.0	0	92.3	48.35	4.68	06/22/2011
Xylenes, Total		5.0		136	150	0	90.6	144.4	6.06	06/22/2011
Surr: 1,2-Dichloroethane-d4				46.3	50.0		92.6			06/22/2011
Surr: 4-Bromofluorobenzene				48.1	50.0		96.3			06/22/2011
Surr: Dibromofluoromethane				48.2	50.0		96.3			06/22/2011
Surr: Toluene-d8				49.8	50.0		99.5			06/22/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69161 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110622-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		51.0	50.0	0	102.1	82.7	117	06/22/2011
Ethylbenzene	5.0		48.2	50.0	0	96.3	83	113	06/22/2011
Toluene	5.0		48.4	50.0	0	96.7	79.6	116	06/22/2011
Xylenes, Total	5.0		144	150	0	96.3	80.3	120	06/22/2011
Surr: 1,2-Dichloroethane-d4			47.5	50.0		95.0	74.7	129	06/22/2011
Surr: 4-Bromofluorobenzene			48.3	50.0		96.5	86	119	06/22/2011
Surr: Dibromofluoromethane			48.4	50.0		96.9	81.7	123	06/22/2011
Surr: Toluene-d8			49.9	50.0		99.8	84.3	114	06/22/2011

Batch 69161 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11061035-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		45.3	46.0	0	98.6	57.8	125	06/22/2011
Ethylbenzene	5.0		45.8	46.0	0	99.5	72.8	123	06/22/2011
Toluene	5.0		43.9	46.0	0	95.4	75.8	123	06/22/2011
Xylenes, Total	5.0		88.6	92.0	0	96.3	73	127	06/22/2011
Surr: 1,2-Dichloroethane-d4			48.6	50.0		97.3	74.7	129	06/22/2011
Surr: 4-Bromofluorobenzene			48.1	50.0		96.2	86	119	06/22/2011
Surr: Dibromofluoromethane			52.6	50.0		105.2	81.7	123	06/22/2011
Surr: Toluene-d8			49.2	50.0		98.5	84.3	114	06/22/2011

Batch 69161 **SampType:** MSD Units $\mu\text{g/L}$

 RPD Limit **20**

SampID: 11061035-001EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		45.3	46.0	0	98.4	45.34	0.15	06/22/2011
Ethylbenzene	5.0		46.0	46.0	0	100.1	45.78	0.59	06/22/2011
Toluene	5.0		43.8	46.0	0	95.1	43.90	0.32	06/22/2011
Xylenes, Total	5.0		87.7	92.0	0	95.3	88.63	1.04	06/22/2011
Surr: 1,2-Dichloroethane-d4			48.9	50.0		97.7			06/22/2011
Surr: 4-Bromofluorobenzene			47.8	50.0		95.6			06/22/2011
Surr: Dibromofluoromethane			52.6	50.0		105.1			06/22/2011
Surr: Toluene-d8			48.8	50.0		97.6			06/22/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061035

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 28-Jun-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

22-Jun-11

Timothy W. Mathis

Reviewed by:

On:

22-Jun-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

July 01, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11061158

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 6/24/2011 3:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | X - Value exceeds Maximum Contaminant Level |

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Cooler Receipt Temp: 4.0 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2011	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2011	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Lab ID: 11061158-001

Client Sample ID: 30984-treated-6/24/11

Matrix: AQUEOUS

Collection Date: 06/24/2011 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.31		1	06/24/2011 19:45	R151216
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6	J	5	mg/L	1	06/27/2011 9:40	R151245
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5	S	45	mg/L	1	06/24/2011 18:50	69202
<i>Laboratory control sample did not recover within QC limits. LCS recovered outside of the acceptable range at 77.78%. The acceptable range is 84.6%-115.4%.</i>								
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.035		Interference	mg/L	5	06/27/2011 10:03	R151272
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035	S	0.102	mg/L	5	06/27/2011 10:03	R151272
<i>Matrix interference present in sample.</i>								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/27/2011 14:29	69199
Barium	NELAP	0.0050		0.260	mg/L	1	06/27/2011 14:29	69199
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/27/2011 14:29	69199
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/27/2011 14:29	69199
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/27/2011 14:29	69199
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/27/2011 14:29	69199
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	06/27/2011 13:58	69203
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/27/2011 11:30	69205
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Anthracene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Chrysene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Fluorene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Pyrene	NELAP	0.00010		ND	mg/L	1	06/27/2011 10:20	69195
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/27/2011 10:20	69195
Surr: 2-Fluorobiphenyl		34.3-105		75.8	%REC	1	06/27/2011 10:20	69195
Surr: 2-Fluorophenol		19.9-55.7		39.1	%REC	1	06/27/2011 10:20	69195
Surr: Nitrobenzene-d5		36.4-127		69.4	%REC	1	06/27/2011 10:20	69195
Surr: Phenol-d5		8.95-38.5		22.2	%REC	1	06/27/2011 10:20	69195
Surr: p-Terphenyl-d14		6.05-133		66.6	%REC	1	06/27/2011 10:20	69195



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Lab ID: 11061158-001

Client Sample ID: 30984-treated-6/24/11

Matrix: AQUEOUS

Collection Date: 06/24/2011 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/24/2011 17:21	69198
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/24/2011 17:21	69198
Toluene	NELAP	5.0		ND	µg/L	1	06/24/2011 17:21	69198
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/24/2011 17:21	69198
Surr: 1,2-Dichloroethane-d4		74.7-129		90.6	%REC	1	06/24/2011 17:21	69198
Surr: 4-Bromofluorobenzene		86-119		96.3	%REC	1	06/24/2011 17:21	69198
Surr: Dibromofluoromethane		81.7-123		98.9	%REC	1	06/24/2011 17:21	69198
Surr: Toluene-d8		84.3-114		97.1	%REC	1	06/24/2011 17:21	69198



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11061158-001	30984-treated-6/24/11	Aqueous	5	06/24/2011 8:15



Dates Report

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11061158-001A	30984-treated-6/24/11	06/24/2011 8:15	6/24/2011 3:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/24/2011 18:35	06/27/2011 10:20
11061158-001B	30984-treated-6/24/11	06/24/2011 8:15	6/24/2011 3:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/24/2011 19:45
	Standard Methods 18th Ed. 2540 D			06/27/2011 9:40
	Standard Methods 18th Ed. 5210 B		06/24/2011 18:50	06/24/2011 18:50
11061158-001C	30984-treated-6/24/11	06/24/2011 8:15	6/24/2011 3:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/24/2011 16:14	06/27/2011 14:29
	SW-846 3020A, Metals by GFAA (Total)		06/24/2011 20:16	06/27/2011 13:58
	SW-846 7470A (Total)		06/27/2011 8:04	06/27/2011 11:30
11061158-001D	30984-treated-6/24/11	06/24/2011 8:15	6/24/2011 3:30:00 PM	
	SW-846 9012A			06/27/2011 10:03
	SW-846 9012A (Total)			06/27/2011 10:03
11061158-001E	30984-treated-6/24/11	06/24/2011 8:15	6/24/2011 3:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/24/2011 17:21

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

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STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R151216		SampType: LCS		Units					
SampID: LCS-R151216									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH	1.00		7.02	7.00	0	100.3	99.1	100.8	06/24/2011

Batch R151216		SampType: DUP		Units				RPD Limit 10			
SampID: 11061158-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.29				9.310	0.22	06/24/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R151245		SampType: MBLK		Units mg/L						
SampID: MB-R151245										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		< 6						06/27/2011

Batch R151245		SampType: LCS		Units mg/L						
SampID: LCS-R151245									Date	
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		98	100	0	98.0	85	115	06/27/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	06/27/2011	
Total Suspended Solids	6		96	100	0	96.0	85	115	06/27/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	06/27/2011	

Batch R151245		SampType: DUP		Units mg/L				RPD Limit 15		
SampID: 11061158-001BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6	J	5				5.000	0.00	
06/27/2011										

STANDARD METHODS 18TH ED. 5210 B

Batch 69202		SampType: LCS		Units mg/L						
SampID: LCS-69202										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Biochemical Oxygen Demand	5	S	154	198	0	77.8	84.6	115.4	06/24/2011	

Batch 69202		SampType: DUP	Units mg/L				RPD Limit 40			
SampID: 11061158-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		5		47				45.00	4.35	06/24/2011

SW-846 9012A (TOTAL)

Batch R151272		SampType: MBLK		Units mg/L						
SampID: MB-R151272										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						06/27/2011
Cyanide		0.007		< 0.007						06/27/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

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SW-846 9012A (TOTAL)

Batch R151272		SampType: MBLK		Units mg/L						
SampID: MB-R151272										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						06/27/2011

Batch R151272		SampType: LCS		Units mg/L						
SampID: LCS-R151272										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.023	0.025	0	90.1	90	110	06/27/2011	
Cyanide	0.007	S	0.017	0.025	0	68.5	90	110	06/27/2011	
Cyanide	0.008		0.024	0.025	0	95.4	90	110	06/27/2011	
Cyanide	0.007		0.024	0.025	0	94.4	90	110	06/27/2011	

Batch R151272		SampType: MS		Units mg/L						
SampID: 11061158-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.035	S	0.137	0.025	0.1020	142.0	75	125	06/27/2011

Batch R151272		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11061158-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035	S	0.138	0.025	0.1020	142.4	0.1375	0.07	06/27/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69199		SampType: MBLK		Units mg/L						
SampID: MB-69199										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	06/27/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	06/27/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/27/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	06/27/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/27/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	06/27/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	06/27/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	06/27/2011	

Batch 69199		SampType: LCS		Units mg/L						
SampID: LCS-69199										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic	0.0250		2.09	2.00	0	104.6	85	115	06/27/2011	
Barium	0.0050		2.17	2.00	0	108.3	85	115	06/27/2011	
Cadmium	0.0020		0.0539	0.0500	0	107.8	85	115	06/27/2011	
Cadmium	0.0020		0.0533	0.0500	0	106.6	85	115	06/27/2011	
Chromium	0.0100		0.222	0.200	0	111.0	85	115	06/27/2011	
Chromium	0.0100		0.213	0.200	0	106.4	85	115	06/27/2011	
Selenium	0.0500		2.02	2.00	0	101.0	85	115	06/27/2011	
Silver	0.0100		0.0526	0.0500	0	105.2	85	115	06/27/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

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SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69199		SampType: LCS		Units mg/L						
SampID: LCS-69199										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed

Batch 69199		SampType: MS		Units mg/L					
SampID: 11061158-001CMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.09	2.00	0	104.4	75	125	06/27/2011
Barium	0.0050		2.24	2.00	0.2602	99.0	75	125	06/27/2011
Cadmium	0.0020		0.0498	0.0500	0	99.6	75	125	06/27/2011
Chromium	0.0100		0.202	0.200	0	101.1	75	125	06/27/2011
Selenium	0.0500		2.02	2.00	0	100.8	75	125	06/27/2011
Silver	0.0100		0.0515	0.0500	0	103.0	75	125	06/27/2011

Batch 69199		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11061158-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.03	2.00	0	101.7	2.088	2.62	06/27/2011
Barium		0.0050		2.22	2.00	0.2602	98.0	2.240	0.85	06/27/2011
Cadmium		0.0020		0.0485	0.0500	0	97.0	0.04980	2.64	06/27/2011
Chromium		0.0100		0.196	0.200	0	98.0	0.2022	3.11	06/27/2011
Selenium		0.0500		1.95	2.00	0	97.5	2.017	3.38	06/27/2011
Silver		0.0100		0.0494	0.0500	0	98.8	0.05150	4.16	06/27/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69203		SampType: MBLK	Units mg/L							Date Analyzed
SampID: MB-69203										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	06/27/2011

Batch 69203		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-69203										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0132	0.0150	0	87.8	80	120	06/27/2011

Batch 69203		SampType: MS		Units mg/L						
SampID: 11061158-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0123	0.0150	0	82.2	70	130	06/27/2011

Batch 69203		SampType: MSD	Units mg/L					RPD Limit 20		Date Analyzed
SampID: 11061158-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead	7421	0.0020		0.0124	0.0150	0	82.5	0.01232	0.42	06/27/2011

SW-846 7470A (TOTAL)

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

SW-846 7470A (TOTAL)

Batch 69205		SampType: MBLK		Units mg/L						
SampID: MB-69205										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/27/2011

Batch 69205		SampType: LCS		Units mg/L						
SampID: LCS-69205										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury		0.00020		0.00501	0.00500	0	100.2	85	115	06/27/2011

Batch 69205		SampType: MS		Units mg/L						
SampID: 11061158-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00417	0.00500	0	83.4	75	125	06/27/2011

Batch 69205		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11061158-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00397	0.00500	0	79.4	0.004170	4.91	06/27/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	69195	SampType:	MBLK	Units mg/L						
SampID: MB-69195										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.00010		ND						06/24/2011
Acenaphthylene		0.00010		ND						06/24/2011
Anthracene		0.00010		ND						06/24/2011
Benzo(a)anthracene		0.00010		ND						06/24/2011
Benzo(a)pyrene		0.00010		ND						06/24/2011
Benzo(b)fluoranthene		0.00010		ND						06/24/2011
Benzo(g,h,i)perylene		0.00010		ND						06/24/2011
Benzo(k)fluoranthene		0.00010		ND						06/24/2011
Chrysene		0.00010		ND						06/24/2011
Dibenzo(a,h)anthracene		0.00010		ND						06/24/2011
Fluoranthene		0.00010		ND						06/24/2011
Fluorene		0.00010		ND						06/24/2011
Naphthalene		0.00010		ND						06/24/2011
Phenanthrene		0.00010		ND						06/24/2011
Pyrene		0.00010		ND						06/24/2011
Total PNAs except Naphthalene		0.00013		ND						06/24/2011
Surr: 2-Fluorobiphenyl				0.00401	0.00500		80.2	45.4	97.6	06/24/2011
Surr: 2-Fluorophenol				0.00530	0.0100		53.0	24.9	63.7	06/24/2011
Surr: Nitrobenzene-d5				0.00378	0.00500		75.6	45.2	108	06/24/2011
Surr: Phenol-d5				0.00309	0.0100		30.9	15.5	39.5	06/24/2011
Surr: p-Terphenyl-d14				0.00451	0.00500		90.2	46	127	06/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69195		SampType: LCS		Units mg/L						
SampID: LCS-69195										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00393	0.00500	0	78.6	50.1	103	06/24/2011	
Acenaphthylene	0.00010		0.00402	0.00500	0	80.4	53.3	122	06/24/2011	
Anthracene	0.00010		0.00404	0.00500	0	80.8	57.4	110	06/24/2011	
Benzo(a)anthracene	0.00010		0.00392	0.00500	0	78.4	56	102	06/24/2011	
Benzo(a)pyrene	0.00010		0.00404	0.00500	0	80.8	55.4	125	06/24/2011	
Benzo(b)fluoranthene	0.00010		0.00445	0.00500	0	89.0	59.3	127	06/24/2011	
Benzo(g,h,i)perylene	0.00010		0.00433	0.00500	0	86.6	58.4	125	06/24/2011	
Benzo(k)fluoranthene	0.00010		0.00435	0.00500	0	87.0	61.5	125	06/24/2011	
Chrysene	0.00010		0.00402	0.00500	0	80.4	58.7	118	06/24/2011	
Dibenzo(a,h)anthracene	0.00010		0.00447	0.00500	0	89.4	59.3	126	06/24/2011	
Fluoranthene	0.00010		0.00416	0.00500	0	83.2	60.1	117	06/24/2011	
Fluorene	0.00010		0.00419	0.00500	0	83.8	54.1	110	06/24/2011	
Naphthalene	0.00010		0.00358	0.00500	0	71.6	36.3	97.1	06/24/2011	
Phenanthrene	0.00010		0.00393	0.00500	0	78.6	55.9	107	06/24/2011	
Pyrene	0.00010		0.00414	0.00500	0	82.8	61.4	116	06/24/2011	
Surr: 2-Fluorobiphenyl			0.00398	0.00500		79.6	45.4	97.6	06/24/2011	
Surr: 2-Fluorophenol			0.00530	0.0100		53.0	24.9	63.7	06/24/2011	
Surr: Nitrobenzene-d5			0.00376	0.00500		75.2	45.2	108	06/24/2011	
Surr: Phenol-d5			0.00317	0.0100		31.7	15.5	39.5	06/24/2011	
Surr: p-Terphenyl-d14			0.00450	0.00500		90.0	46	127	06/24/2011	

Batch 69195	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-69195									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00408	0.00500	0	81.6	0.003930	3.75	06/24/2011
Acenaphthylene	0.00010		0.00416	0.00500	0	83.2	0.004020	3.42	06/24/2011
Anthracene	0.00010		0.00411	0.00500	0	82.2	0.004040	1.72	06/24/2011
Benzo(a)anthracene	0.00010		0.00405	0.00500	0	81.0	0.003920	3.26	06/24/2011
Benzo(a)pyrene	0.00010		0.00406	0.00500	0	81.2	0.004040	0.49	06/24/2011
Benzo(b)fluoranthene	0.00010		0.00453	0.00500	0	90.6	0.004450	1.78	06/24/2011
Benzo(g,h,i)perylene	0.00010		0.00438	0.00500	0	87.6	0.004330	1.15	06/24/2011
Benzo(k)fluoranthene	0.00010		0.00451	0.00500	0	90.2	0.004350	3.61	06/24/2011
Chrysene	0.00010		0.00412	0.00500	0	82.4	0.004020	2.46	06/24/2011
Dibenzo(a,h)anthracene	0.00010		0.00455	0.00500	0	91.0	0.004470	1.77	06/24/2011
Fluoranthene	0.00010		0.00427	0.00500	0	85.4	0.004160	2.61	06/24/2011
Fluorene	0.00010		0.00429	0.00500	0	85.8	0.004190	2.36	06/24/2011
Naphthalene	0.00010		0.00376	0.00500	0	75.2	0.003580	4.90	06/24/2011
Phenanthrene	0.00010		0.00404	0.00500	0	80.8	0.003930	2.76	06/24/2011
Pyrene	0.00010		0.00426	0.00500	0	85.2	0.004140	2.86	06/24/2011
Surr: 2-Fluorobiphenyl			0.00390	0.00500		78.0			06/24/2011
Surr: 2-Fluorophenol			0.00503	0.0100		50.3			06/24/2011
Surr: Nitrobenzene-d5			0.00367	0.00500		73.4			06/24/2011
Surr: Phenol-d5			0.00300	0.0100		30.0			06/24/2011
Surr: p-Terphenyl-d14			0.00435	0.00500		87.0			06/24/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69198 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-R110624-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						06/24/2011
Ethylbenzene	5.0		ND						06/24/2011
Toluene	5.0		ND						06/24/2011
Xylenes, Total	5.0		ND						06/24/2011
Surr: 1,2-Dichloroethane-d4			49.3	50.0		98.6	74.7	129	06/24/2011
Surr: 4-Bromofluorobenzene			48.8	50.0		97.5	86	119	06/24/2011
Surr: Dibromofluoromethane			52.1	50.0		104.3	81.7	123	06/24/2011
Surr: Toluene-d8			48.7	50.0		97.3	84.3	114	06/24/2011

Batch 69198 **SampType:** LCSD Units $\mu\text{g/L}$

SampID: LCSD-R110624-1

RPD Limit 40

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.4	50.0	0	100.9	50.61	0.36	06/24/2011
Ethylbenzene	5.0		47.2	50.0	0	94.3	48.45	2.68	06/24/2011
Toluene	5.0		46.2	50.0	0	92.3	47.38	2.63	06/24/2011
Xylenes, Total	5.0		140	150	0	93.5	143.3	2.09	06/24/2011
Surr: 1,2-Dichloroethane-d4			50.2	50.0		100.4			06/24/2011
Surr: 4-Bromofluorobenzene			48.1	50.0		96.1			06/24/2011
Surr: Dibromofluoromethane			51.7	50.0		103.4			06/24/2011
Surr: Toluene-d8			48.7	50.0		97.4			06/24/2011

Batch 69198 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110624-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		50.6	50.0	0	101.2	82.7	117	06/24/2011
Ethylbenzene	5.0		48.4	50.0	0	96.9	83	113	06/24/2011
Toluene	5.0		47.4	50.0	0	94.8	79.6	116	06/24/2011
Xylenes, Total	5.0		143	150	0	95.5	80.3	120	06/24/2011
Surr: 1,2-Dichloroethane-d4			49.6	50.0		99.1	74.7	129	06/24/2011
Surr: 4-Bromofluorobenzene			47.1	50.0		94.1	86	119	06/24/2011
Surr: Dibromofluoromethane			51.3	50.0		102.6	81.7	123	06/24/2011
Surr: Toluene-d8			49.0	50.0		98.1	84.3	114	06/24/2011

Batch 69198 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11061158-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		46.3	46.0	0	100.6	57.8	125	06/24/2011
Ethylbenzene	5.0		45.7	46.0	0	99.4	72.8	123	06/24/2011
Toluene	5.0		44.3	46.0	0	96.4	75.8	123	06/24/2011
Xylenes, Total	5.0		87.7	92.0	0	95.3	73	127	06/24/2011
Surr: 1,2-Dichloroethane-d4			46.2	50.0		92.4	74.7	129	06/24/2011
Surr: 4-Bromofluorobenzene			48.2	50.0		96.4	86	119	06/24/2011
Surr: Dibromofluoromethane			50.7	50.0		101.4	81.7	123	06/24/2011
Surr: Toluene-d8			48.8	50.0		97.7	84.3	114	06/24/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69198		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11061158-001EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		46.0	46.0	0	100	46.26	0.59	06/24/2011
Ethylbenzene		5.0		46.0	46.0	0	100	45.73	0.59	06/24/2011
Toluene		5.0		43.8	46.0	0	95.2	44.33	1.20	06/24/2011
Xylenes, Total		5.0		87.2	92.0	0	94.7	87.70	0.62	06/24/2011
Surr: 1,2-Dichloroethane-d4				45.0	50.0		90.1			06/24/2011
Surr: 4-Bromofluorobenzene				47.3	50.0		94.6			06/24/2011
Surr: Dibromofluoromethane				50.8	50.0		101.5			06/24/2011
Surr: Toluene-d8				49.0	50.0		97.9			06/24/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061158

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 01-Jul-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

24-Jun-11

24-Jun-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.0
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

85119011

COC Serial No. B 10036

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

[illegible]

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid	
☒ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. SAZAMA & L. MOOSIER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.	Signature	Date	Time	Signature	Date
		6/24/11	11:10		6/24/11
		6/24/11	1530		6/24/11

July 07, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11061283

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 6/28/2011 2:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	9
Dates Report	10
Quality Control Results	11
Receiving Check List	18
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11061283**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 07-Jul-11**Cooler Receipt Temp:** 3.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Lab ID: 11061283-001

Client Sample ID: 4419-treated-6/27/11

Matrix: AQUEOUS

Collection Date: 06/27/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.12		1	06/28/2011 17:59	R151366
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		13	mg/L	1	06/29/2011 11:00	R151388
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		40	mg/L	1	06/29/2011 11:10	69292
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.036		Interference	mg/L	5	06/29/2011 8:08	R151383
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.036		0.083	mg/L	5	06/29/2011 8:08	R151383
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.0091	mg/L	1	06/29/2011 9:32	69257
Barium	NELAP	0.0050		0.394	mg/L	1	06/29/2011 9:32	69257
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/29/2011 9:32	69257
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/29/2011 9:32	69257
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/29/2011 9:32	69257
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/29/2011 9:32	69257
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	06/29/2011 13:37	69258
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/29/2011 9:15	69253
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Anthracene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Chrysene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Fluorene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Pyrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 10:47	69260
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/29/2011 10:47	69260
Surr: 2-Fluorobiphenyl		34.3-105		84.0	%REC	1	06/29/2011 10:47	69260
Surr: 2-Fluorophenol		19.9-55.7		27.5	%REC	1	06/29/2011 10:47	69260
Surr: Nitrobenzene-d5		36.4-127		75.6	%REC	1	06/29/2011 10:47	69260
Surr: Phenol-d5		8.95-38.5		19.7	%REC	1	06/29/2011 10:47	69260
Surr: p-Terphenyl-d14		6.05-133		101.8	%REC	1	06/29/2011 10:47	69260
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2011 16:36	69283
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2011 16:36	69283



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Lab ID: 11061283-001

Client Sample ID: 4419-treated-6/27/11

Matrix: AQUEOUS

Collection Date: 06/27/2011 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2011 16:36	69283
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/28/2011 16:36	69283
Surr: 1,2-Dichloroethane-d4		74.7-129		108.1	%REC	1	06/28/2011 16:36	69283
Surr: 4-Bromofluorobenzene		86-119		99.9	%REC	1	06/28/2011 16:36	69283
Surr: Dibromofluoromethane		81.7-123		107.2	%REC	1	06/28/2011 16:36	69283
Surr: Toluene-d8		84.3-114		94.3	%REC	1	06/28/2011 16:36	69283

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Lab ID: 11061283-002

Client Sample ID: 4860-treated-6/27/11

Matrix: AQUEOUS

Collection Date: 06/27/2011 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.12		1	06/28/2011 17:59	R151366
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	06/29/2011 11:00	R151388
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		39	mg/L	1	06/29/2011 11:20	69292
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.039		< 0.039	mg/L	5	06/29/2011 8:08	R151383
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.039		0.079	mg/L	5	06/29/2011 8:08	R151383
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	06/29/2011 9:49	69257
Barium	NELAP	0.0050		0.415	mg/L	1	06/29/2011 9:49	69257
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	06/29/2011 9:49	69257
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	06/29/2011 9:49	69257
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	06/29/2011 9:49	69257
Silver	NELAP	0.0100		< 0.0100	mg/L	1	06/29/2011 9:49	69257
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	06/29/2011 13:41	69258
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	06/29/2011 9:15	69253
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Anthracene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Chrysene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Fluoranthene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Fluorene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Naphthalene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Phenanthrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Pyrene	NELAP	0.00010		ND	mg/L	1	06/29/2011 11:23	69260
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	06/29/2011 11:23	69260
Surr: 2-Fluorobiphenyl		34.3-105		80.6	%REC	1	06/29/2011 11:23	69260
Surr: 2-Fluorophenol		19.9-55.7		27.5	%REC	1	06/29/2011 11:23	69260
Surr: Nitrobenzene-d5		36.4-127		81.0	%REC	1	06/29/2011 11:23	69260
Surr: Phenol-d5		8.95-38.5		17.0	%REC	1	06/29/2011 11:23	69260
Surr: p-Terphenyl-d14		6.05-133		97.6	%REC	1	06/29/2011 11:23	69260
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	06/28/2011 17:02	69283
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/28/2011 17:02	69283



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Lab ID: 11061283-002

Client Sample ID: 4860-treated-6/27/11

Matrix: AQUEOUS

Collection Date: 06/27/2011 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	06/28/2011 17:02	69283
Xylenes, Total	NELAP	5.0		ND	µg/L	1	06/28/2011 17:02	69283
Surr: 1,2-Dichloroethane-d4		74.7-129		109.5	%REC	1	06/28/2011 17:02	69283
Surr: 4-Bromofluorobenzene		86-119		101.7	%REC	1	06/28/2011 17:02	69283
Surr: Dibromofluoromethane		81.7-123		106.9	%REC	1	06/28/2011 17:02	69283
Surr: Toluene-d8		84.3-114		93.5	%REC	1	06/28/2011 17:02	69283



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11061283-001	4419-treated-6/27/11	Aqueous	5	06/27/2011 12:30
11061283-002	4860-treated-6/27/11	Aqueous	5	06/27/2011 13:40

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11061283-001A	4419-treated-6/27/11	06/27/2011 12:30	6/28/2011 2:20:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/28/2011 15:55	06/29/2011 10:47
11061283-001B	4419-treated-6/27/11	06/27/2011 12:30	6/28/2011 2:20:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/28/2011 17:59
	Standard Methods 18th Ed. 2540 D			06/29/2011 11:00
	Standard Methods 18th Ed. 5210 B		06/29/2011 11:10	06/29/2011 11:10
11061283-001C	4419-treated-6/27/11	06/27/2011 12:30	6/28/2011 2:20:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/28/2011 15:16	06/29/2011 9:32
	SW-846 3020A, Metals by GFAA (Total)		06/28/2011 15:24	06/29/2011 13:37
	SW-846 7470A (Total)		06/29/2011 8:00	06/29/2011 9:15
11061283-001D	4419-treated-6/27/11	06/27/2011 12:30	6/28/2011 2:20:00 PM	
	SW-846 9012A			06/29/2011 8:08
	SW-846 9012A (Total)			06/29/2011 8:08
11061283-001E	4419-treated-6/27/11	06/27/2011 12:30	6/28/2011 2:20:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2011 16:36
11061283-002A	4860-treated-6/27/11	06/27/2011 13:40	6/28/2011 2:20:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/28/2011 15:55	06/29/2011 11:23
11061283-002B	4860-treated-6/27/11	06/27/2011 13:40	6/28/2011 2:20:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			06/28/2011 17:59
	Standard Methods 18th Ed. 2540 D			06/29/2011 11:00
	Standard Methods 18th Ed. 5210 B		06/29/2011 11:20	06/29/2011 11:20
11061283-002C	4860-treated-6/27/11	06/27/2011 13:40	6/28/2011 2:20:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		06/28/2011 15:16	06/29/2011 9:49
	SW-846 3020A, Metals by GFAA (Total)		06/28/2011 15:24	06/29/2011 13:41
	SW-846 7470A (Total)		06/29/2011 8:00	06/29/2011 9:15
11061283-002D	4860-treated-6/27/11	06/27/2011 13:40	6/28/2011 2:20:00 PM	
	SW-846 9012A			06/29/2011 8:08
	SW-846 9012A (Total)			06/29/2011 8:08
11061283-002E	4860-treated-6/27/11	06/27/2011 13:40	6/28/2011 2:20:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/28/2011 17:02

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R151366		SampType: LCS		Units						
SampID: LCS-R151366										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.01	7.00	0	100.1	99.1	100.8	06/28/2011

Batch R151366		SampType: DUP		Units				RPD Limit 10			
SampID: 11061283-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		9.14				9.120	0.22	06/28/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R151388		SampType: MBLK		Units mg/L							
SampID: MB-R151388											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids		6		< 6						06/29/2011	

Batch R151388		SampType: LCS		Units mg/L						
SampID: LCS-R151388										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		95	100	0	95.0	85	115	06/29/2011	
Total Suspended Solids	6		95	100	0	95.0	85	115	06/29/2011	
Total Suspended Solids	6		98	100	0	98.0	85	115	06/29/2011	

Batch R151388		SampType: DUP	Units mg/L					RPD Limit 15		
SampID: 11061283-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		12				13.00	8.00	06/29/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 69292		SampType: LCS		Units mg/L						
SampID: LCS-69292										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		216	198	0	109.1	84.6	115.4	
										06/29/2011

Batch 69292		SampType: DUP	Units mg/L					RPD Limit 40		
SampID: 11061283-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		5		40				40.00	0.00	06/29/2011

SW-846 9012A (TOTAL)

Batch R151383		SampType: MBLK		Units mg/L						
SampID: MB-R151383										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						06/30/2011
Cyanide		0.007		< 0.007						06/29/2011
Cyanide		0.007		< 0.007						06/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

SW-846 9012A (TOTAL)

Batch R151383		SampType: MBLK		Units mg/L						
SampID: MB-R151383										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide	0.007		< 0.007						06/30/2011	
Cyanide	0.007		< 0.007						06/30/2011	

Batch R151383		SampType: LCS		Units mg/L						
SampID: LCS-R151383										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007	S	0.024	0.025	0	94.3	90	110	06/29/2011	
Cyanide	0.007		0.023	0.025	0	90.1	90	110	06/29/2011	
Cyanide	0.007		0.024	0.025	0	96.2	90	110	06/30/2011	
Cyanide	0.007		0.024	0.025	0	95.8	90	110	06/30/2011	
Cyanide	0.007		0.022	0.025	0	87.9	90	110	06/30/2011	
Cyanide	0.007		0.022	0.025	0	87.9	85	115	06/30/2011	
Cyanide	0.007		0.024	0.025	0	96.7	90	110	06/29/2011	

Batch R151383		SampType: MS		Units mg/L						
SampID: 11061283-001DMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.035		0.109	0.025	0.08293	102.7	75	125	06/29/2011

Batch R151383		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 11061283-001DMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.035		0.106	0.025	0.08293	91.9	0.1086	2.50	06/29/2011	

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69257		SampType: MBLK		Units mg/L						
SampID: MB-69257										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	06/29/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	06/29/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	06/29/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	06/29/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	06/29/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	06/29/2011

Batch 69257		SampType: LCS		Units mg/L					
SampID: LCS-69257									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		2.10	2.00	0	104.8	85	115	06/29/2011
Barium	0.0050		2.09	2.00	0	104.3	85	115	06/29/2011
Cadmium	0.0020		0.0515	0.0500	0	103.0	85	115	06/29/2011
Chromium	0.0100		0.205	0.200	0	102.6	85	115	06/29/2011
Selenium	0.0500		2.01	2.00	0	100.4	85	115	06/29/2011
Silver	0.0100		0.0516	0.0500	0	103.2	85	115	06/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69257		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	

Batch 69257		SampType: MS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		2.04	2.00	0.009100	101.5	75	125	06/29/2011
Barium		0.0050		2.28	2.00	0.3937	94.5	75	125	06/29/2011
Cadmium		0.0020		0.0464	0.0500	0	92.8	75	125	06/29/2011
Chromium		0.0100		0.189	0.200	0	94.4	75	125	06/29/2011
Selenium		0.0500		1.96	2.00	0	98.0	75	125	06/29/2011
Silver		0.0100		0.0498	0.0500	0	99.6	75	125	06/29/2011

Batch 69257		SampType: MSD		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		2.00	2.00	0.009100	99.8	2.039	1.68	06/29/2011
Barium		0.0050		2.23	2.00	0.3937	91.7	2.283	2.48	06/29/2011
Cadmium		0.0020		0.0454	0.0500	0	90.8	0.04640	2.18	06/29/2011
Chromium		0.0100		0.185	0.200	0	92.5	0.1889	2.09	06/29/2011
Selenium		0.0500		1.92	2.00	0	96.2	1.961	1.85	06/29/2011
Silver		0.0100		0.0489	0.0500	0	97.8	0.04980	1.82	06/29/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69258		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead		7421	0.0020	< 0.0020	0.0020	0	0	-100	100	06/29/2011

Batch 69258		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead		7421	0.0020	0.0143	0.0150	0	95.5	80	120	06/29/2011

Batch 69258		SampType: MS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead		7421	0.0020	0.0128	0.0150	0.0005507	82.0	70	130	06/29/2011

Batch 69258		SampType: MSD		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead		7421	0.0020	0.0117	0.0150	0.0005507	74.1	0.01285	9.71	06/29/2011

SW-846 7470A (TOTAL)

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

SW-846 7470A (TOTAL)

Batch 69253		SampType: MBLK		Units mg/L						
SampID: MB-69253										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	06/29/2011

Batch 69253		SampType: LCS		Units mg/L						
SampID: LCS-69253										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00507	0.00500	0	101.4	85	115	06/29/2011

Batch 69253		SampType: MS		Units mg/L						
SampID: 11061283-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00456	0.00500	0	91.2	75	125	06/29/2011

Batch 69253		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11061283-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00460	0.00500	0	92.0	0.004560	0.87	06/29/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69260	SampType: MBLK	Units mg/L								
SampID: MB-69260										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		ND						06/29/2011	
Acenaphthene	0.00010		ND						06/29/2011	
Acenaphthylene	0.00010		ND						06/29/2011	
Anthracene	0.00010		ND						06/29/2011	
Anthracene	0.00010		ND						06/29/2011	
Benzo(a)anthracene	0.00010		ND						06/29/2011	
Benzo(a)pyrene	0.00010		ND						06/29/2011	
Benzo(b)fluoranthene	0.00010		ND						06/29/2011	
Benzo(g,h,i)perylene	0.00010		ND						06/29/2011	
Benzo(k)fluoranthene	0.00010		ND						06/29/2011	
Chrysene	0.00010		ND						06/29/2011	
Dibenzo(a,h)anthracene	0.00010		ND						06/29/2011	
Fluoranthene	0.00010		ND						06/29/2011	
Fluoranthene	0.00010		ND						06/29/2011	
Fluorene	0.00010		ND						06/29/2011	
Fluorene	0.00010		ND						06/29/2011	
Naphthalene	0.00010		ND						06/29/2011	
Naphthalene	0.00010		ND						06/29/2011	
Phenanthrene	0.00010		ND						06/29/2011	
Phenanthrene	0.00010		ND						06/29/2011	
Pyrene	0.00010		ND						06/29/2011	
Pyrene	0.00010		ND						06/29/2011	
Total PNAs except Naphthalene	0.00013		ND						06/29/2011	
Surr: 2-Fluorobiphenyl			0.00348	0.00500		69.6	41.9	97.9	06/29/2011	

Client: PSC Industrial Outsourcing, LP

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Report Date: 07-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69260		SampType: MBLK		Units mg/L						
SampID: MB-69260										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl				0.00428	0.00500		85.6	45.4	97.6	06/29/2011
Surr: 2-Fluorophenol				0.00372	0.0100		37.2	16.1	79.2	06/29/2011
Surr: 2-Fluorophenol				0.00334	0.0100		33.4	24.9	63.7	06/29/2011
Surr: Nitrobenzene-d5				0.00374	0.00500		74.8	39.9	106	06/29/2011
Surr: Nitrobenzene-d5				0.00381	0.00500		76.2	45.2	108	06/29/2011
Surr: Phenol-d5				0.00234	0.0100		23.4	15.5	39.5	06/29/2011
Surr: Phenol-d5				0.00232	0.0100		23.2	9.94	53.7	06/29/2011
Surr: p-Terphenyl-d14				0.00562	0.00500		112.4	53	116	06/29/2011
Surr: p-Terphenyl-d14				0.00555	0.00500		111.0	46	127	06/29/2011

Batch 69260	SampType: LCS	Units mg/L								
SampID: LCS-69260										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Acenaphthene	0.00010		0.00425	0.00500	0	85.0	50.1	103		06/29/2011
Acenaphthene	0.00010		0.00459	0.00500	0	91.8	50.1	103		06/29/2011
Acenaphthylene	0.00010		0.00456	0.00500	0	91.2	53.3	122		06/29/2011
Anthracene	0.00010		0.00404	0.00500	0	80.8	57.4	110		06/29/2011
Anthracene	0.00010		0.00429	0.00500	0	85.7	57.4	110		06/29/2011
Benzo(a)anthracene	0.00010		0.00425	0.00500	0	85.0	56	102		06/29/2011
Benzo(a)pyrene	0.00010		0.00544	0.00500	0	108.8	55.4	125		06/29/2011
Benzo(b)fluoranthene	0.00010		0.00478	0.00500	0	95.6	59.3	127		06/29/2011
Benzo(g,h,i)perylene	0.00010		0.00466	0.00500	0	93.2	58.4	125		06/29/2011
Benzo(k)fluoranthene	0.00010		0.00482	0.00500	0	96.4	61.5	125		06/29/2011
Chrysene	0.00010		0.00453	0.00500	0	90.6	58.7	118		06/29/2011
Dibenzo(a,h)anthracene	0.00010		0.00505	0.00500	0	101.0	59.3	126		06/29/2011
Fluoranthene	0.00010		0.00446	0.00500	0	89.1	60.1	117		06/29/2011
Fluoranthene	0.00010		0.00425	0.00500	0	85.0	60.1	117		06/29/2011
Fluorene	0.00010		0.00470	0.00500	0	94.0	54.1	110		06/29/2011
Fluorene	0.00010		0.00436	0.00500	0	87.2	54.1	110		06/29/2011
Naphthalene	0.00010		0.00415	0.00500	0	83.0	36.3	97.1		06/29/2011
Naphthalene	0.00010		0.00397	0.00500	0	79.4	36.3	97.1		06/29/2011
Phenanthrene	0.00010		0.00431	0.00500	0	86.3	55.9	107		06/29/2011
Phenanthrene	0.00010		0.00463	0.00500	0	92.6	55.9	107		06/29/2011
Pyrene	0.00010		0.00445	0.00500	0	89.1	61.4	116		06/29/2011
Pyrene	0.00010		0.00423	0.00500	0	84.6	61.4	116		06/29/2011
Surr: 2-Fluorobiphenyl			0.00352	0.00500		70.4	41.9	97.9		06/29/2011
Surr: 2-Fluorobiphenyl			0.00399	0.00500		79.8	45.4	97.6		06/29/2011
Surr: 2-Fluorophenol			0.00391	0.0100		39.1	16.1	79.2		06/29/2011
Surr: 2-Fluorophenol			0.00376	0.0100		37.6	24.9	63.7		06/29/2011
Surr: Nitrobenzene-d5			0.00381	0.00500		76.2	39.9	106		06/29/2011
Surr: Nitrobenzene-d5			0.00397	0.00500		79.4	45.2	108		06/29/2011
Surr: Phenol-d5			0.00247	0.0100		24.7	9.94	53.7		06/29/2011
Surr: Phenol-d5			0.00267	0.0100		26.7	15.5	39.5		06/29/2011
Surr: p-Terphenyl-d14			0.00574	0.00500		114.7	53	116		06/29/2011
Surr: p-Terphenyl-d14			0.00571	0.00500		114.2	46	127		06/29/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69260	SampType: LCSD	Units mg/L					RPD Limit 40		
SampID: LCSD-69260									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00395	0.00500	0	79.0	0.004249	7.32	06/29/2011
Acenaphthene	0.00010		0.00458	0.00500	0	91.6	0.004590	0.22	06/29/2011
Acenaphthylene	0.00010		0.00462	0.00500	0	92.4	0.004560	1.31	06/29/2011
Anthracene	0.00010		0.00431	0.00500	0	86.1	0.004285	0.49	06/29/2011
Anthracene	0.00010		0.00420	0.00500	0	84.0	0.004040	3.88	06/29/2011
Benzo(a)anthracene	0.00010		0.00443	0.00500	0	88.6	0.004250	4.15	06/29/2011
Benzo(a)pyrene	0.00010		0.00537	0.00500	0	107.4	0.005440	1.30	06/29/2011
Benzo(b)fluoranthene	0.00010		0.00481	0.00500	0	96.2	0.004780	0.63	06/29/2011
Benzo(g,h,i)perylene	0.00010		0.00479	0.00500	0	95.8	0.004660	2.75	06/29/2011
Benzo(k)fluoranthene	0.00010		0.00492	0.00500	0	98.4	0.004820	2.05	06/29/2011
Chrysene	0.00010		0.00472	0.00500	0	94.4	0.004530	4.11	06/29/2011
Dibenzo(a,h)anthracene	0.00010		0.00518	0.00500	0	103.6	0.005050	2.54	06/29/2011
Fluoranthene	0.00010		0.00443	0.00500	0	88.7	0.004455	0.47	06/29/2011
Fluoranthene	0.00010		0.00431	0.00500	0	86.2	0.004250	1.40	06/29/2011
Fluorene	0.00010		0.00490	0.00500	0	98.0	0.004700	4.17	06/29/2011
Fluorene	0.00010		0.00416	0.00500	0	83.3	0.004360	4.60	06/29/2011
Naphthalene	0.00010		0.00419	0.00500	0	83.8	0.004150	0.96	06/29/2011
Naphthalene	0.00010		0.00388	0.00500	0	77.5	0.003972	2.42	06/29/2011
Phenanthrene	0.00010		0.00469	0.00500	0	93.8	0.004630	1.29	06/29/2011
Phenanthrene	0.00010		0.00418	0.00500	0	83.6	0.004314	3.11	06/29/2011
Pyrene	0.00010		0.00431	0.00500	0	86.2	0.004230	1.87	06/29/2011
Pyrene	0.00010		0.00447	0.00500	0	89.5	0.004453	0.45	06/29/2011
Surr: 2-Fluorobiphenyl			0.00381	0.00500		76.2			06/29/2011
Surr: 2-Fluorobiphenyl			0.00337	0.00500		67.4			06/29/2011
Surr: 2-Fluorophenol			0.00376	0.0100		37.6			06/29/2011
Surr: 2-Fluorophenol			0.00394	0.0100		39.4			06/29/2011
Surr: Nitrobenzene-d5			0.00356	0.00500		71.2			06/29/2011
Surr: Nitrobenzene-d5			0.00377	0.00500		75.4			06/29/2011
Surr: Phenol-d5			0.00233	0.0100		23.3			06/29/2011
Surr: Phenol-d5			0.00246	0.0100		24.6			06/29/2011
Surr: p-Terphenyl-d14			0.00530	0.00500		106.1			06/29/2011
Surr: p-Terphenyl-d14			0.00547	0.00500		109.4			06/29/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69283		SampType: MBLK		Units µg/L						
SampID: MBLK-T110628-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						06/28/2011
Ethylbenzene		5.0		ND						06/28/2011
Toluene		5.0		ND						06/28/2011
Xylenes, Total		5.0		ND						06/28/2011
Surr: 1,2-Dichloroethane-d4				53.2	50.0		106.4	74.7	129	06/28/2011
Surr: 4-Bromofluorobenzene				50.0	50.0		99.9	86	119	06/28/2011
Surr: Dibromofluoromethane				52.0	50.0		103.9	81.7	123	06/28/2011
Surr: Toluene-d8				46.8	50.0		93.7	84.3	114	06/28/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69283		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110628-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		53.0	50.0	0	106.1	53.76	1.37	06/28/2011	
Ethylbenzene	5.0		47.3	50.0	0	94.6	48.55	2.59	06/28/2011	
Toluene	5.0		46.5	50.0	0	92.9	48.01	3.28	06/28/2011	
Xylenes, Total	5.0		144	150	0	96.3	146.5	1.46	06/28/2011	
Surr: 1,2-Dichloroethane-d4			55.8	50.0		111.7			06/28/2011	
Surr: 4-Bromofluorobenzene			50.0	50.0		100.1			06/28/2011	
Surr: Dibromofluoromethane			54.6	50.0		109.2			06/28/2011	
Surr: Toluene-d8			48.0	50.0		96.1			06/28/2011	

Batch 69283		SampType: LCS		Units µg/L					
SampID: LCS-T110628-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		53.8	50.0	0	107.5	82.7	117	06/28/2011
Ethylbenzene	5.0		48.6	50.0	0	97.1	83	113	06/28/2011
Toluene	5.0		48.0	50.0	0	96.0	79.6	116	06/28/2011
Xylenes, Total	5.0		147	150	0	97.7	80.3	120	06/28/2011
Surr: 1,2-Dichloroethane-d4			55.6	50.0		111.1	74.7	129	06/28/2011
Surr: 4-Bromofluorobenzene			48.8	50.0		97.5	86	119	06/28/2011
Surr: Dibromofluoromethane			54.3	50.0		108.6	81.7	123	06/28/2011
Surr: Toluene-d8			47.3	50.0		94.6	84.3	114	06/28/2011

Batch 69283		SampType: MS		Units µg/L					
SampID: 11061283-002EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		51.7	60.0	0	86.2	57.8	125	06/28/2011
Ethylbenzene	5.0		65.0	60.0	0	108.3	72.8	123	06/28/2011
Toluene	5.0		57.2	60.0	0	95.4	75.8	123	06/28/2011
Xylenes, Total	5.0		129	120	0	107.5	73	127	06/28/2011
Surr: 1,2-Dichloroethane-d4			52.9	50.0		105.8	74.7	129	06/28/2011
Surr: 4-Bromofluorobenzene			50.2	50.0		100.5	86	119	06/28/2011
Surr: Dibromofluoromethane			52.4	50.0		104.8	81.7	123	06/28/2011
Surr: Toluene-d8			46.6	50.0		93.2	84.3	114	06/28/2011

Batch 69283		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11061283-002EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		52.2	60.0	0	87.0	51.72	0.87	06/28/2011
Ethylbenzene		5.0		66.7	60.0	0	111.2	65.00	2.64	06/28/2011
Toluene		5.0		58.1	60.0	0	96.8	57.23	1.51	06/28/2011
Xylenes, Total		5.0		130	120	0	108.3	129.0	0.69	06/28/2011
Surr: 1,2-Dichloroethane-d4				52.6	50.0		105.3			06/28/2011
Surr: 4-Bromofluorobenzene				50.6	50.0		101.2			06/28/2011
Surr: Dibromofluoromethane				52.3	50.0		104.6			06/28/2011
Surr: Toluene-d8				47.2	50.0		94.5			06/28/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11061283

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 07-Jul-11

Carrier: Sean Spinner

Received By: MLD

Completed by:

On:

28-Jun-11

Timothy W. Mathis

Reviewed by:

On:

28-Jun-11

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.4
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

11061283

[illegible]

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid	
☒ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P. SARAMA AND L. NOODER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Signature	Date
			6/28/11		6/29/11
			6/28/11		1030
					1420

July 13, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11070205

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 7/6/2011 3:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	9
Dates Report	10
Quality Control Results	11
Receiving Check List	19
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11070205**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 13-Jul-11**Cooler Receipt Temp:** 2.6 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email kmccain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Lab ID: 11070205-001

Client Sample ID: 4419-treated-7/6/11

Matrix: AQUEOUS

Collection Date: 07/06/2011 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.39		1	07/06/2011 17:20	R151629
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		12	mg/L	1	07/07/2011 9:30	R151667
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		20	mg/L	1	07/07/2011 13:10	69430
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.014	J	0.010	mg/L	2	07/07/2011 8:04	R151663
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.014		0.052	mg/L	2	07/07/2011 8:04	R151663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	07/07/2011 10:18	69400
Barium	NELAP	0.0100		0.385	mg/L	2	07/07/2011 10:47	69400
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/07/2011 10:18	69400
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/07/2011 10:18	69400
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/07/2011 10:18	69400
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/07/2011 10:18	69400
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0040		0.0775	mg/L	2	07/07/2011 0:00	69401
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/07/2011 12:24	69408
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Anthracene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Chrysene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Fluorene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Phenanthrene	NELAP	0.00010		0.00013	mg/L	1	07/07/2011 11:29	69403
Pyrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 11:29	69403
Total PNAs except Naphthalene		0.00013		0.00013	mg/L	1	07/07/2011 11:29	69403
Surr: 2-Fluorobiphenyl		34.3-105		75.0	%REC	1	07/07/2011 11:29	69403
Surr: 2-Fluorophenol		19.9-55.7		38.0	%REC	1	07/07/2011 11:29	69403
Surr: Nitrobenzene-d5		36.4-127		84.2	%REC	1	07/07/2011 11:29	69403
Surr: Phenol-d5		8.95-38.5		23.0	%REC	1	07/07/2011 11:29	69403
Surr: p-Terphenyl-d14		6.05-133		78.6	%REC	1	07/07/2011 11:29	69403
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/07/2011 14:09	69423
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/07/2011 14:09	69423



Laboratory Results

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Lab ID: 11070205-001

Client Sample ID: 4419-treated-7/6/11

Matrix: AQUEOUS

Collection Date: 07/06/2011 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	07/07/2011 14:09	69423
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/07/2011 14:09	69423
Surr: 1,2-Dichloroethane-d4		74.7-129		106.1	%REC	1	07/07/2011 14:09	69423
Surr: 4-Bromofluorobenzene		86-119		95.7	%REC	1	07/07/2011 14:09	69423
Surr: Dibromofluoromethane		81.7-123		104.8	%REC	1	07/07/2011 14:09	69423
Surr: Toluene-d8		84.3-114		101.5	%REC	1	07/07/2011 14:09	69423

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Lab ID: 11070205-002

Client Sample ID: 30984-treated-7/6/11

Matrix: AQUEOUS

Collection Date: 07/06/2011 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.92		1	07/06/2011 17:20	R151629
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	07/07/2011 9:30	R151667
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		25	mg/L	1	07/07/2011 13:30	69430
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.015		0.017	mg/L	2	07/07/2011 8:04	R151663
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.015		0.052	mg/L	2	07/07/2011 8:04	R151663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	07/07/2011 10:36	69400
Barium	NELAP	0.0500		0.315	mg/L	10	07/07/2011 11:07	69400
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/07/2011 10:36	69400
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/07/2011 10:36	69400
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/07/2011 10:36	69400
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/07/2011 10:36	69400
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead	7421 NELAP	0.0020	J	0.0006	mg/L	1	07/07/2011 9:04	69401
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/07/2011 12:24	69408
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Anthracene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Chrysene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Fluorene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Pyrene	NELAP	0.00010		ND	mg/L	1	07/07/2011 12:09	69403
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/07/2011 12:09	69403
Surr: 2-Fluorobiphenyl		34.3-105		76.0	%REC	1	07/07/2011 12:09	69403
Surr: 2-Fluorophenol		19.9-55.7		29.4	%REC	1	07/07/2011 12:09	69403
Surr: Nitrobenzene-d5		36.4-127		80.2	%REC	1	07/07/2011 12:09	69403
Surr: Phenol-d5		8.95-38.5		17.1	%REC	1	07/07/2011 12:09	69403
Surr: p-Terphenyl-d14		6.05-133		82.8	%REC	1	07/07/2011 12:09	69403
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/07/2011 14:35	69423
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/07/2011 14:35	69423

Client: PSC Industrial Outsourcing, LP**Work Order:** 11070205**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 13-Jul-11**Lab ID:** 11070205-002**Client Sample ID:** 30984-treated-7/6/11**Matrix:** AQUEOUS**Collection Date:** 07/06/2011 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	07/07/2011 14:35	69423
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/07/2011 14:35	69423
Surr: 1,2-Dichloroethane-d4		74.7-129		103.3	%REC	1	07/07/2011 14:35	69423
Surr: 4-Bromofluorobenzene		86-119		96.0	%REC	1	07/07/2011 14:35	69423
Surr: Dibromofluoromethane		81.7-123		102.6	%REC	1	07/07/2011 14:35	69423
Surr: Toluene-d8		84.3-114		100.6	%REC	1	07/07/2011 14:35	69423



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11070205-001	4419-treated-7/6/11	Aqueous	5	07/06/2011 10:35
11070205-002	30984-treated-7/6/11	Aqueous	5	07/06/2011 10:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11070205-001A	4419-treated-7/6/11	07/06/2011 10:35	7/6/2011 3:05:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/06/2011 18:47	07/07/2011 11:29
11070205-001B	4419-treated-7/6/11	07/06/2011 10:35	7/6/2011 3:05:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/06/2011 17:20
	Standard Methods 18th Ed. 2540 D			07/07/2011 9:30
	Standard Methods 18th Ed. 5210 B		07/07/2011 13:10	07/07/2011 13:10
11070205-001C	4419-treated-7/6/11	07/06/2011 10:35	7/6/2011 3:05:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/06/2011 16:29	07/07/2011 10:18
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/06/2011 16:29	07/07/2011 10:47
	SW-846 3020A, Metals by GFAA (Total)		07/06/2011 16:43	07/07/2011 0:00
	SW-846 7470A (Total)		07/07/2011 8:01	07/07/2011 12:24
11070205-001D	4419-treated-7/6/11	07/06/2011 10:35	7/6/2011 3:05:00 PM	
	SW-846 9012A			07/07/2011 8:04
	SW-846 9012A (Total)			07/07/2011 8:04
11070205-001E	4419-treated-7/6/11	07/06/2011 10:35	7/6/2011 3:05:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/07/2011 14:09
11070205-002A	30984-treated-7/6/11	07/06/2011 10:45	7/6/2011 3:05:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/06/2011 18:47	07/07/2011 12:09
11070205-002B	30984-treated-7/6/11	07/06/2011 10:45	7/6/2011 3:05:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/06/2011 17:20
	Standard Methods 18th Ed. 2540 D			07/07/2011 9:30
	Standard Methods 18th Ed. 5210 B		07/07/2011 13:30	07/07/2011 13:30
11070205-002C	30984-treated-7/6/11	07/06/2011 10:45	7/6/2011 3:05:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/06/2011 16:29	07/07/2011 10:36
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/06/2011 16:29	07/07/2011 11:07
	SW-846 3020A, Metals by GFAA (Total)		07/06/2011 16:43	07/07/2011 9:04
	SW-846 7470A (Total)		07/07/2011 8:01	07/07/2011 12:24
11070205-002D	30984-treated-7/6/11	07/06/2011 10:45	7/6/2011 3:05:00 PM	
	SW-846 9012A			07/07/2011 8:04
	SW-846 9012A (Total)			07/07/2011 8:04
11070205-002E	30984-treated-7/6/11	07/06/2011 10:45	7/6/2011 3:05:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/07/2011 14:35

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R151629		SampType: LCS		Units						Date Analyzed
SampID: LCS-R151629										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lab pH	1.00		7.00	7.00	0	100	99.1	100.8	07/06/2011	

Batch R151629		SampType: DUP		Units				RPD Limit 10			
SampID: 11070205-002BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.92				8.920	0.00	07/06/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R151667		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R151667										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Suspended Solids		6		< 6						

Batch R151667		SampType: LCS		Units mg/L						
SampID: LCS-R151667										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		100	100	0	100	85	115	07/07/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	07/07/2011	
Total Suspended Solids	6		91	100	0	91.0	85	115	07/07/2011	
Total Suspended Solids	6		88	100	0	88.0	85	115	07/07/2011	

Batch R151667		SampType: DUP		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11070205-001BDUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		11				12.00	8.70	

STANDARD METHODS 18TH ED. 5210 B

Batch 69430		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-69430										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		172	198	0	86.9	84.6	115.4	07/07/2011

Batch 69430		SampType: DUP		Units mg/L				RPD Limit 40		Date Analyzed
SampID: 11070205-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		20				20.00	0.00	07/07/2011

SW-846 9012A (TOTAL)

Batch R151663		SampType: MBLK		Units mg/L						
SampID: MB-R151663										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						07/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 9012A (TOTAL)

Batch R151663		SampType: MBLK		Units mg/L						
SampID: MB-R151663										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Batch R151663		SampType: LCS		Units mg/L						
SampID: LCS-R151663										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.008		0.026	0.025	0	102.5	85	115	07/07/2011
Cyanide		0.007		0.023	0.025	0	90.8	90	110	07/07/2011
Cyanide		0.007		0.024	0.025	0	94.9	90	110	07/07/2011

Batch R151663		SampType: MS		Units mg/L						
SampID: 11070205-002DMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.015		0.071	0.025	0.05178	75.4	75	125	07/07/2011

Batch R151663		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070205-002DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.014		0.074	0.025	0.05178	88.1	0.07064	4.39	07/07/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69400		SampType: MBLK		Units mg/L						
SampID: MB-69400										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	07/07/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	07/07/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	07/07/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	07/07/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	07/07/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	07/07/2011

Batch 69400		SampType: LCS		Units mg/L						
SampID: LCS-69400										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic	0.0250		2.04	2.00	0	102.1	85	115	07/07/2011	
Barium	0.0050		2.06	2.00	0	102.8	85	115	07/07/2011	
Cadmium	0.0020		0.0518	0.0500	0	103.6	85	115	07/07/2011	
Chromium	0.0100		0.207	0.200	0	103.7	85	115	07/07/2011	
Selenium	0.0500		2.00	2.00	0	100.2	85	115	07/07/2011	
Silver	0.0100		0.0511	0.0500	0	102.2	85	115	07/07/2011	

Batch 69400		SampType: MS		Units mg/L						
SampID: 11070205-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.96	2.00	0	98.0	75	125	07/07/2011	
Barium	0.0100		2.33	2.00	0.3852	97.2	75	125	07/07/2011	
Cadmium	0.0020		0.0456	0.0500	0	91.2	75	125	07/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69400		SampType: MS		Units mg/L						
SampID: 11070205-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chromium	0.0100		0.188	0.200	0	93.8	75	125	07/07/2011	
Selenium	0.0500		1.92	2.00	0	95.9	75	125	07/07/2011	
Silver	0.0100		0.0487	0.0500	0	97.4	75	125	07/07/2011	

Batch 69400		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070205-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		2.01	2.00	0	100.4	1.961	2.37	07/07/2011
Barium		0.0100		2.45	2.00	0.3852	103.1	2.330	4.94	07/07/2011
Cadmium		0.0020		0.0466	0.0500	0	93.2	0.04560	2.17	07/07/2011
Chromium		0.0100		0.192	0.200	0	95.8	0.1877	2.00	07/07/2011
Selenium		0.0500		1.97	2.00	0	98.6	1.917	2.83	07/07/2011
Silver		0.0100		0.0499	0.0500	0	99.8	0.04870	2.43	07/07/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69401		SampType: MBLK		Units mg/L						
SampID: MB-69401										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	07/07/2011

Batch 69401		SampType: LCS		Units mg/L						
SampID: LCS-69401										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0153	0.0150	0	102.3	80	120	07/07/2011

Batch 69401		SampType: MS		Units mg/L						
SampID: 11070205-002CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0151	0.0150	0.0005981	96.5	70	130	07/07/2011

Batch 69401		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11070205-002CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0138	0.0150	0.0005981	87.9	0.01508	8.95	07/07/2011

SW-846 7470A (TOTAL)

Batch 69408		SampType: MBLK		Units mg/L						
SampID: MB-69408										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	07/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 7470A (TOTAL)

Batch 69408		SampType: LCS		Units mg/L						
SampID: LCS-69408										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00478	0.00500	0	95.6	85	115	07/07/2011	

Batch 69408		SampType: MS		Units mg/L						
SampID: 11070205-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00447	0.00500	0	89.4	75	125	07/07/2011

Batch 69408		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070205-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00444	0.00500	0	88.8	0.004470	0.67	07/07/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69403		SampType: MBLK		Units mg/L					
SampID: MB-69403									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						07/07/2011
Acenaphthene	0.00010		ND						07/07/2011
Acenaphthylene	0.00010		ND						07/07/2011
Anthracene	0.00010		ND						07/07/2011
Anthracene	0.00010		ND						07/07/2011
Benzo(a)anthracene	0.00010		ND						07/07/2011
Benzo(a)pyrene	0.00010		ND						07/07/2011
Benzo(b)fluoranthene	0.00010		ND						07/07/2011
Benzo(g,h,i)perylene	0.00010		ND						07/07/2011
Benzo(k)fluoranthene	0.00010		ND						07/07/2011
Chrysene	0.00010		ND						07/07/2011
Dibenzo(a,h)anthracene	0.00010		ND						07/07/2011
Fluoranthene	0.00010		ND						07/07/2011
Fluoranthene	0.00010		ND						07/07/2011
Fluorene	0.00010		ND						07/07/2011
Fluorene	0.00010		ND						07/07/2011
Naphthalene	0.00010		ND						07/07/2011
Naphthalene	0.00010		ND						07/07/2011
Phenanthrene	0.00010		ND						07/07/2011
Phenanthrene	0.00010		ND						07/07/2011
Pyrene	0.00010		ND						07/07/2011
Pyrene	0.00010		ND						07/07/2011
Total PNAs except Naphthalene	0.00013		ND						07/07/2011
Surr: 2-Fluorobiphenyl			0.00385	0.00500		77.0	45.4	97.6	07/07/2011
Surr: 2-Fluorobiphenyl			0.00371	0.00500		74.1	41.9	97.9	07/07/2011
Surr: 2-Fluorophenol			0.00469	0.0100		46.9	24.9	63.7	07/07/2011
Surr: 2-Fluorophenol			0.00436	0.0100		43.6	16.1	79.2	07/07/2011
Surr: Nitrobenzene-d5			0.00401	0.00500		80.2	45.2	108	07/07/2011
Surr: Nitrobenzene-d5			0.00429	0.00500		85.7	39.9	106	07/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69403		SampType: MBLK		Units mg/L						
SampID: MB-69403										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: Phenol-d5				0.00280	0.0100		28.0	9.94	53.7	07/07/2011
Surr: Phenol-d5				0.00286	0.0100		28.6	15.5	39.5	07/07/2011
Surr: p-Terphenyl-d14				0.00457	0.00500		91.4	46	127	07/07/2011
Surr: p-Terphenyl-d14				0.00489	0.00500		97.8	53	116	07/07/2011

Batch 69403		SampType: LCS		Units mg/L					
SampID: LCS-69403									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		0.00383	0.00500	0	76.6	50.1	103	07/07/2011
Acenaphthene	0.00010		0.00367	0.00500	0	73.4	50.1	103	07/07/2011
Acenaphthylene	0.00010		0.00382	0.00500	0	76.4	53.3	122	07/07/2011
Anthracene	0.00010		0.00383	0.00500	0	76.5	57.4	110	07/07/2011
Anthracene	0.00010		0.00371	0.00500	0	74.2	57.4	110	07/07/2011
Benzo(a)anthracene	0.00010		0.00366	0.00500	0	73.2	56	102	07/07/2011
Benzo(a)pyrene	0.00010		0.00361	0.00500	0	72.2	55.4	125	07/07/2011
Benzo(b)fluoranthene	0.00010		0.00438	0.00500	0	87.6	59.3	127	07/07/2011
Benzo(g,h,i)perylene	0.00010		0.00393	0.00500	0	78.6	58.4	125	07/07/2011
Benzo(k)fluoranthene	0.00010		0.00413	0.00500	0	82.6	61.5	125	07/07/2011
Chrysene	0.00010		0.00384	0.00500	0	76.8	58.7	118	07/07/2011
Dibenzo(a,h)anthracene	0.00010		0.00400	0.00500	0	80.0	59.3	126	07/07/2011
Fluoranthene	0.00010		0.00420	0.00500	0	84.0	60.1	117	07/07/2011
Fluoranthene	0.00010		0.00397	0.00500	0	79.4	60.1	117	07/07/2011
Fluorene	0.00010		0.00385	0.00500	0	77.0	54.1	110	07/07/2011
Fluorene	0.00010		0.00378	0.00500	0	75.6	54.1	110	07/07/2011
Naphthalene	0.00010		0.00345	0.00500	0	69.0	36.3	97.1	07/07/2011
Naphthalene	0.00010		0.00357	0.00500	0	71.4	36.3	97.1	07/07/2011
Phenanthrene	0.00010		0.00390	0.00500	0	78.0	55.9	107	07/07/2011
Phenanthrene	0.00010		0.00366	0.00500	0	73.2	55.9	107	07/07/2011
Pyrene	0.00010		0.00386	0.00500	0	77.2	61.4	116	07/07/2011
Pyrene	0.00010		0.00391	0.00500	0	78.2	61.4	116	07/07/2011
Surr: 2-Fluorobiphenyl			0.00340	0.00500		68.0	41.9	97.9	07/07/2011
Surr: 2-Fluorobiphenyl			0.00337	0.00500		67.4	45.4	97.6	07/07/2011
Surr: 2-Fluorophenol			0.00387	0.0100		38.7	24.9	63.7	07/07/2011
Surr: 2-Fluorophenol			0.00394	0.0100		39.4	16.1	79.2	07/07/2011
Surr: Nitrobenzene-d5			0.00368	0.00500		73.7	39.9	106	07/07/2011
Surr: Nitrobenzene-d5			0.00346	0.00500		69.2	45.2	108	07/07/2011
Surr: Phenol-d5			0.00261	0.0100		26.1	9.94	53.7	07/07/2011
Surr: Phenol-d5			0.00238	0.0100		23.8	15.5	39.5	07/07/2011
Surr: p-Terphenyl-d14			0.00457	0.00500		91.4	53	116	07/07/2011
Surr: p-Terphenyl-d14			0.00399	0.00500		79.8	46	127	07/07/2011

Batch 69403		SampType: LCSD		Units mg/L				RPD Limit 40		
SampID: LCSD-69403										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Acenaphthene	0.00010		0.00419	0.00500	0	83.8	0.003828	9.05	07/07/2011	
Acenaphthene	0.00010		0.00419	0.00500	0	83.8	0.003670	13.23	07/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69403		SampType: LCSD		Units mg/L				RPD Limit 40		
SampID: LCSD-69403										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthylene	0.00010		0.00445	0.00500	0	89.0	0.003820	15.24		07/07/2011
Anthracene	0.00010		0.00415	0.00500	0	83.0	0.003827	8.05		07/07/2011
Anthracene	0.00010		0.00431	0.00500	0	86.2	0.003710	14.96		07/07/2011
Benzo(a)anthracene	0.00010		0.00415	0.00500	0	83.0	0.003660	12.55		07/07/2011
Benzo(a)pyrene	0.00010		0.00416	0.00500	0	83.2	0.003610	14.16		07/07/2011
Benzo(b)fluoranthene	0.00010		0.00444	0.00500	0	88.8	0.004380	1.36		07/07/2011
Benzo(g,h,i)perylene	0.00010		0.00455	0.00500	0	91.0	0.003930	14.62		07/07/2011
Benzo(k)fluoranthene	0.00010		0.00465	0.00500	0	93.0	0.004130	11.85		07/07/2011
Chrysene	0.00010		0.00434	0.00500	0	86.8	0.003840	12.22		07/07/2011
Dibenzo(a,h)anthracene	0.00010		0.00460	0.00500	0	92.0	0.004000	13.95		07/07/2011
Fluoranthene	0.00010		0.00434	0.00500	0	86.9	0.004198	3.42		07/07/2011
Fluoranthene	0.00010		0.00446	0.00500	0	89.2	0.003970	11.63		07/07/2011
Fluorene	0.00010		0.00439	0.00500	0	87.9	0.003851	13.17		07/07/2011
Fluorene	0.00010		0.00445	0.00500	0	89.0	0.003780	16.28		07/07/2011
Naphthalene	0.00010		0.00385	0.00500	0	77.0	0.003568	7.63		07/07/2011
Naphthalene	0.00010		0.00399	0.00500	0	79.8	0.003450	14.52		07/07/2011
Phenanthrene	0.00010		0.00417	0.00500	0	83.4	0.003902	6.66		07/07/2011
Phenanthrene	0.00010		0.00419	0.00500	0	83.8	0.003660	13.50		07/07/2011
Pyrene	0.00010		0.00437	0.00500	0	87.4	0.003859	12.42		07/07/2011
Pyrene	0.00010		0.00440	0.00500	0	88.0	0.003910	11.79		07/07/2011
Surr: 2-Fluorobiphenyl			0.00356	0.00500		71.2				07/07/2011
Surr: 2-Fluorobiphenyl			0.00359	0.00500		71.8				07/07/2011
Surr: 2-Fluorophenol			0.00456	0.0100		45.6				07/07/2011
Surr: 2-Fluorophenol			0.00442	0.0100		44.2				07/07/2011
Surr: Nitrobenzene-d5			0.00377	0.00500		75.4				07/07/2011
Surr: Nitrobenzene-d5			0.00373	0.00500		74.5				07/07/2011
Surr: Phenol-d5			0.00267	0.0100		26.7				07/07/2011
Surr: Phenol-d5			0.00289	0.0100		28.9				07/07/2011
Surr: p-Terphenyl-d14			0.00421	0.00500		84.2				07/07/2011
Surr: p-Terphenyl-d14			0.00466	0.00500		93.3				07/07/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69423		SampType: MBLK		Units µg/L						
SampID: MBLK-T110707-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		ND						07/07/2011	
Benzene	2.0		ND						07/07/2011	
Ethylbenzene	5.0		ND						07/07/2011	
Ethylbenzene	5.0		ND						07/07/2011	
Toluene	5.0		ND						07/07/2011	
Toluene	5.0		ND						07/07/2011	
Xylenes, Total	5.0		ND						07/07/2011	
Xylenes, Total	5.0		ND						07/07/2011	
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.4	74.7	129	07/07/2011	
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.4	74.7	129	07/07/2011	
Surr: 4-Bromofluorobenzene			49.3	50.0		98.7	86	119	07/07/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69423 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-T110707-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 4-Bromofluorobenzene			49.3	50.0		98.7	86	119	07/07/2011
Surr: Dibromofluoromethane			50.9	50.0		101.7	81.7	123	07/07/2011
Surr: Dibromofluoromethane			50.9	50.0		101.7	81.7	123	07/07/2011
Surr: Toluene-d8			50.5	50.0		101.0	84.3	114	07/07/2011
Surr: Toluene-d8			50.5	50.0		101.0	84.3	114	07/07/2011

Batch 69423 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-T110707-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		49.8	50.0	0	99.7	50.26	0.82	07/07/2011
Benzene	2.0		49.8	50.0	0	99.7	50.26	0.82	07/07/2011
Ethylbenzene	5.0		50.1	50.0	0	100.2	50.65	1.09	07/07/2011
Ethylbenzene	5.0		50.1	50.0	0	100.2	50.65	1.09	07/07/2011
Toluene	5.0		49.2	50.0	0	98.4	49.23	0.08	07/07/2011
Toluene	5.0		49.2	50.0	0	98.4	49.23	0.08	07/07/2011
Xylenes, Total	5.0		151	150	0	100.4	153.5	1.89	07/07/2011
Xylenes, Total	5.0		151	150	0	100.4	153.5	1.89	07/07/2011
Surr: 1,2-Dichloroethane-d4			53.2	50.0		106.3			07/07/2011
Surr: 1,2-Dichloroethane-d4			53.2	50.0		106.3			07/07/2011
Surr: 4-Bromofluorobenzene			48.7	50.0		97.5			07/07/2011
Surr: 4-Bromofluorobenzene			48.7	50.0		97.5			07/07/2011
Surr: Dibromofluoromethane			51.7	50.0		103.4			07/07/2011
Surr: Dibromofluoromethane			51.7	50.0		103.4			07/07/2011
Surr: Toluene-d8			50.6	50.0		101.3			07/07/2011
Surr: Toluene-d8			50.6	50.0		101.3			07/07/2011

Batch 69423 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-T110707-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		50.3	50.0	0	100.5	82.7	117	07/07/2011
Benzene	2.0		50.3	50.0	0	100.5	82.7	117	07/07/2011
Ethylbenzene	5.0		50.6	50.0	0	101.3	83	113	07/07/2011
Ethylbenzene	5.0		50.6	50.0	0	101.3	83	113	07/07/2011
Toluene	5.0		49.2	50.0	0	98.5	79.6	116	07/07/2011
Toluene	5.0		49.2	50.0	0	98.5	79.6	116	07/07/2011
Xylenes, Total	5.0		154	150	0	102.3	80.3	120	07/07/2011
Xylenes, Total	5.0		154	150	0	102.3	80.3	120	07/07/2011
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.4	74.7	129	07/07/2011
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.4	74.7	129	07/07/2011
Surr: 4-Bromofluorobenzene			47.8	50.0		95.6	86	119	07/07/2011
Surr: 4-Bromofluorobenzene			47.8	50.0		95.6	86	119	07/07/2011
Surr: Dibromofluoromethane			51.6	50.0		103.1	81.7	123	07/07/2011
Surr: Dibromofluoromethane			51.6	50.0		103.1	81.7	123	07/07/2011
Surr: Toluene-d8			50.7	50.0		101.5	84.3	114	07/07/2011
Surr: Toluene-d8			50.7	50.0		101.5	84.3	114	07/07/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69423		SampType: MS		Units µg/L						
SampID: 11070205-002EMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	2.0		59.7	60.0	0	99.5	57.8	125	07/07/2011	
Ethylbenzene	5.0		68.6	60.0	0	114.3	72.8	123	07/07/2011	
Toluene	5.0		61.3	60.0	0	102.1	75.8	123	07/07/2011	
Xylenes, Total	5.0		129	120	0	107.5	73	127	07/07/2011	
Surr: 1,2-Dichloroethane-d4			52.5	50.0		105.1	74.7	129	07/07/2011	
Surr: 4-Bromofluorobenzene			49.0	50.0		97.9	86	119	07/07/2011	
Surr: Dibromofluoromethane			50.5	50.0		100.9	81.7	123	07/07/2011	
Surr: Toluene-d8			50.2	50.0		100.3	84.3	114	07/07/2011	

Batch 69423		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11070205-002EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		60.1	60.0	0	100.1	59.71	0.58	07/07/2011
Ethylbenzene		5.0		68.3	60.0	0	113.9	68.59	0.39	07/07/2011
Toluene		5.0		61.2	60.0	0	102.1	61.26	0.02	07/07/2011
Xylenes, Total		5.0		131	120	0	109.0	129.0	1.38	07/07/2011
Surr: 1,2-Dichloroethane-d4				50.8	50.0		101.6			07/07/2011
Surr: 4-Bromofluorobenzene				49.2	50.0		98.4			07/07/2011
Surr: Dibromofluoromethane				50.2	50.0		100.4			07/07/2011
Surr: Toluene-d8				50.5	50.0		101.1			07/07/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070205

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 13-Jul-11

Carrier: Sean Spinner

Received By: BSJ

Completed by:

On:

06-Jul-11

Dawn Brantley

Reviewed by:

On:

06-Jul-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 2.6

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.

July 14, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11070319

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/8/2011 3:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
Quality Control Results	9
Receiving Check List	16
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

Cooler Receipt Temp: 4.8 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

Lab ID: 11070319-001

Client Sample ID: 3286-treated-7/8/11

Matrix: AQUEOUS

Collection Date: 07/08/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		9.16		1	07/11/2011 13:31	R151791
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		10	mg/L	1	07/11/2011 9:00	R151778
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		15	mg/L	1	07/08/2011 20:10	69457
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.036	J	0.032	mg/L	5	07/11/2011 14:13	R151798
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.036		0.043	mg/L	5	07/11/2011 14:13	R151798
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	07/11/2011 10:40	69451
Barium	NELAP	0.0250		0.428	mg/L	5	07/11/2011 11:01	69451
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/11/2011 10:40	69451
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/11/2011 10:40	69451
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/11/2011 10:40	69451
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/11/2011 10:40	69451
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0007	mg/L	1	07/11/2011 8:19	69454
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/11/2011 10:54	69463
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Anthracene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Chrysene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Fluorene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Pyrene	NELAP	0.00010		ND	mg/L	1	07/11/2011 10:17	69455
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/11/2011 10:17	69455
Surr: 2-Fluorobiphenyl		34.3-105		71.4	%REC	1	07/11/2011 10:17	69455
Surr: 2-Fluorophenol		19.9-55.7		32.5	%REC	1	07/11/2011 10:17	69455
Surr: Nitrobenzene-d5		36.4-127		73.8	%REC	1	07/11/2011 10:17	69455
Surr: Phenol-d5		8.95-38.5		21.3	%REC	1	07/11/2011 10:17	69455
Surr: p-Terphenyl-d14		6.05-133		76.8	%REC	1	07/11/2011 10:17	69455
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/08/2011 19:03	69478
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/08/2011 19:03	69478

Client: PSC Industrial Outsourcing, LP**Work Order:** 11070319**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 14-Jul-11**Lab ID:** 11070319-001**Client Sample ID:** 3286-treated-7/8/11**Matrix:** AQUEOUS**Collection Date:** 07/08/2011 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	07/08/2011 19:03	69478
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/08/2011 19:03	69478
Surr: 1,2-Dichloroethane-d4		74.7-129		110.0	%REC	1	07/08/2011 19:03	69478
Surr: 4-Bromofluorobenzene		86-119		99.7	%REC	1	07/08/2011 19:03	69478
Surr: Dibromofluoromethane		81.7-123		103.3	%REC	1	07/08/2011 19:03	69478
Surr: Toluene-d8		84.3-114		100.7	%REC	1	07/08/2011 19:03	69478



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11070319-001	3286-treated-7/8/11	Aqueous	5	07/08/2011 8:30

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11070319-001A	3286-treated-7/8/11	07/08/2011 8:30	7/8/2011 3:35:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/08/2011 18:18	07/11/2011 10:17
11070319-001B	3286-treated-7/8/11	07/08/2011 8:30	7/8/2011 3:35:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/11/2011 13:31
	Standard Methods 18th Ed. 2540 D			07/11/2011 9:00
	Standard Methods 18th Ed. 5210 B		07/08/2011 20:10	07/08/2011 20:10
11070319-001C	3286-treated-7/8/11	07/08/2011 8:30	7/8/2011 3:35:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/08/2011 17:30	07/11/2011 10:40
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/08/2011 17:30	07/11/2011 11:01
	SW-846 3020A, Metals by GFAA (Total)		07/08/2011 17:49	07/11/2011 8:19
	SW-846 7470A (Total)		07/11/2011 7:57	07/11/2011 10:54
11070319-001D	3286-treated-7/8/11	07/08/2011 8:30	7/8/2011 3:35:00 PM	
	SW-846 9012A			07/11/2011 14:13
	SW-846 9012A (Total)			07/11/2011 14:13
11070319-001E	3286-treated-7/8/11	07/08/2011 8:30	7/8/2011 3:35:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/08/2011 19:03

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED
Batch R151791 **SampType:** LCS

Units

SampID: LCS-R151791

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH	1.00		7.00	7.00	0	100	99.1	100.8	07/11/2011

Batch R151791 **SampType:** DUP

Units

 RPD Limit **10**

SampID: 11070319-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		9.18				9.160	0.22	07/11/2011

STANDARD METHODS 18TH ED. 2540 D
Batch R151778 **SampType:** MBLK

Units mg/L

SampID: MB-R151778

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		< 6						07/11/2011

Batch R151778 **SampType:** LCS

Units mg/L

SampID: LCS-R151778

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		98	100	0	98.0	85	115	07/11/2011
Total Suspended Solids	6		94	100	0	94.0	85	115	07/11/2011
Total Suspended Solids	6		96	100	0	96.0	85	115	07/11/2011
Total Suspended Solids	6		101	100	0	101.0	85	115	07/11/2011

Batch R151778 **SampType:** DUP

Units mg/L

 RPD Limit **15**

SampID: 11070319-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	6		10				10.00	0.00	07/11/2011

STANDARD METHODS 18TH ED. 5210 B
Batch 69457 **SampType:** LCS

Units mg/L

SampID: LCS-69457

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand	5		193	198	0	97.5	84.6	115.4	07/08/2011

Batch 69457 **SampType:** DUP

Units mg/L

 RPD Limit **40**

SampID: 11070319-001B-DUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand	5		15				15.00	0.00	07/08/2011

SW-846 9012A (TOTAL)
Batch R151798 **SampType:** MBLK

Units mg/L

SampID: MB-R151798

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.007		< 0.007						07/11/2011
Cyanide	0.007		< 0.007						07/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

SW-846 9012A (TOTAL)

Batch R151798		SampType: MBLK		Units mg/L							
SampID: MB-R151798											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		

Batch R151798		SampType: LCS		Units mg/L						
SampID: LCS-R151798										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide	0.007		0.024	0.025	0	97.1	85	115	07/11/2011	
Cyanide	0.007		0.023	0.025	0	91.4	90	110	07/11/2011	
Cyanide	0.007		0.023	0.025	0	91.2	90	110	07/11/2011	
Cyanide	0.008		0.025	0.025	0	98.5	85	115	07/11/2011	

Batch R151798		SampType: MS		Units mg/L							
SampID: 11070319-001DMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.035		0.062	0.025	0.04305	75.4	75	125	07/11/2011	

Batch R151798		SampType: MSD	Units mg/L					RPD Limit 15		
SampID: 11070319-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035		0.070	0.025	0.04305	106.4	0.06191	11.77	07/11/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69451		SampType: MBLK		Units mg/L						
SampID: MB-69451										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	07/11/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	07/11/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	07/11/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	07/11/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	07/11/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	07/11/2011	

Batch 69451		SampType: LCS		Units mg/L						
SampID: LCS-69451										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		1.99	2.00	0	99.4	85	115	07/11/2011
Barium		0.0050		2.00	2.00	0	100	85	115	07/11/2011
Cadmium		0.0020		0.0503	0.0500	0	100.6	85	115	07/11/2011
Chromium		0.0100		0.203	0.200	0	101.4	85	115	07/11/2011
Selenium		0.0500		1.98	2.00	0	99.2	85	115	07/11/2011
Silver		0.0100		0.0502	0.0500	0	100.4	85	115	07/11/2011

Batch 69451		SampType: MS		Units mg/L						
SampID: 11070319-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.98	2.00	0	98.9	75	125	07/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69451		SampType: MS		Units mg/L						
SampID: 11070319-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0250		2.50	2.00	0.4280	103.8	75	125	07/11/2011
Cadmium		0.0020		0.0464	0.0500	0	92.8	75	125	07/11/2011
Chromium		0.0100		0.193	0.200	0	96.4	75	125	07/11/2011
Selenium		0.0500		1.93	2.00	0	96.4	75	125	07/11/2011
Silver		0.0100		0.0497	0.0500	0	99.4	75	125	07/11/2011

Batch 69451		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070319-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		1.99	2.00	0	99.6	1.977	0.71	07/11/2011
Barium		0.0250		2.51	2.00	0.4280	104.0	2.503	0.22	07/11/2011
Cadmium		0.0020		0.0468	0.0500	0	93.6	0.04640	0.86	07/11/2011
Chromium		0.0100		0.193	0.200	0	96.4	0.1928	0.05	07/11/2011
Selenium		0.0500		1.97	2.00	0	98.6	1.927	2.26	07/11/2011
Silver		0.0100		0.0503	0.0500	0	100.6	0.04970	1.20	07/11/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69454		SampType: MBLK		Units mg/L						
SampID: MB-69454										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	07/11/2011

Batch 69454		SampType: LCS		Units mg/L						
SampID: LCS-69454										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0163	0.0150	0	108.9	80	120	07/11/2011

Batch 69454		SampType: MS		Units mg/L						
SampID: 11070319-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0148	0.0150	0.0006934	94.2	70	130	07/11/2011

Batch 69454		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 11070319-001CMSD										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	7421	0.0020		0.0151	0.0150	0.0006934	96.2	0.01483	1.95	07/11/2011	

SW-846 7470A (TOTAL)

Batch 69463		SampType: MBLK		Units mg/L						
SampID: MB-69463										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	07/11/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

SW-846 7470A (TOTAL)

Batch 69463		SampType: LCS		Units mg/L						
SampID: LCS-69463										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00530	0.00500	0	106.0	85	115	07/11/2011	

Batch 69463		SampType: MS		Units mg/L						
SampID: 11070319-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury	0.00020		0.00512	0.00500	0	102.4	75	125	07/11/2011	

Batch 69463		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070319-001CMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury		0.00020		0.00516	0.00500	0	103.2	0.005120	0.78	07/11/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69455	SampType: MBLK	Units mg/L								
SampID: MB-69455										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Acenaphthene	0.00010		ND						07/11/2011	
Acenaphthylene	0.00010		ND						07/11/2011	
Anthracene	0.00010		ND						07/11/2011	
Benzo(a)anthracene	0.00010		ND						07/11/2011	
Benzo(a)pyrene	0.00010		ND						07/11/2011	
Benzo(b)fluoranthene	0.00010		ND						07/11/2011	
Benzo(g,h,i)perylene	0.00010		ND						07/11/2011	
Benzo(k)fluoranthene	0.00010		ND						07/11/2011	
Chrysene	0.00010		ND						07/11/2011	
Dibenzo(a,h)anthracene	0.00010		ND						07/11/2011	
Fluoranthene	0.00010		ND						07/11/2011	
Fluorene	0.00010		ND						07/11/2011	
Naphthalene	0.00010		ND						07/11/2011	
Phenanthrene	0.00010		ND						07/11/2011	
Pyrene	0.00010		ND						07/11/2011	
Total PNAs except Naphthalene	0.00013		ND						07/11/2011	
Surr: 2-Fluorobiphenyl			0.00315	0.00500		63.0	45.4	97.6	07/11/2011	
Surr: 2-Fluorophenol			0.00375	0.0100		37.5	24.9	63.7	07/11/2011	
Surr: Nitrobenzene-d5			0.00331	0.00500		66.2	45.2	108	07/11/2011	
Surr: Phenol-d5			0.00226	0.0100		22.6	15.5	39.5	07/11/2011	
Surr: p-Terphenyl-d14			0.00365	0.00500		73.0	46	127	07/11/2011	

Batch 69455		SampType: LCS		Units mg/L						
SampID: LCS-69455										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00389	0.00500	0	77.8	50.1	103	07/11/2011	
Acenaphthylene	0.00010		0.00406	0.00500	0	81.2	53.3	122	07/11/2011	
Anthracene	0.00010		0.00389	0.00500	0	77.8	57.4	110	07/11/2011	
Benzo(a)anthracene	0.00010		0.00376	0.00500	0	75.2	56	102	07/11/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69455		SampType: LCS		Units mg/L						
SampID: LCS-69455										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzo(a)pyrene	0.00010		0.00360	0.00500	0	72.0	55.4	125	07/11/2011	
Benzo(b)fluoranthene	0.00010		0.00395	0.00500	0	79.0	59.3	127	07/11/2011	
Benzo(g,h,i)perylene	0.00010		0.00400	0.00500	0	80.0	58.4	125	07/11/2011	
Benzo(k)fluoranthene	0.00010		0.00416	0.00500	0	83.2	61.5	125	07/11/2011	
Chrysene	0.00010		0.00391	0.00500	0	78.2	58.7	118	07/11/2011	
Dibenzo(a,h)anthracene	0.00010		0.00410	0.00500	0	82.0	59.3	126	07/11/2011	
Fluoranthene	0.00010		0.00408	0.00500	0	81.6	60.1	117	07/11/2011	
Fluorene	0.00010		0.00409	0.00500	0	81.8	54.1	110	07/11/2011	
Naphthalene	0.00010		0.00377	0.00500	0	75.4	36.3	97.1	07/11/2011	
Phenanthrene	0.00010		0.00384	0.00500	0	76.8	55.9	107	07/11/2011	
Pyrene	0.00010		0.00409	0.00500	0	81.8	61.4	116	07/11/2011	
Surr: 2-Fluorobiphenyl			0.00364	0.00500		72.8	45.4	97.6	07/11/2011	
Surr: 2-Fluorophenol			0.00444	0.0100		44.4	24.9	63.7	07/11/2011	
Surr: Nitrobenzene-d5			0.00364	0.00500		72.8	45.2	108	07/11/2011	
Surr: Phenol-d5			0.00286	0.0100		28.6	15.5	39.5	07/11/2011	
Surr: p-Terphenyl-d14			0.00405	0.00500		81.0	46	127	07/11/2011	

Batch 69455	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-69455									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010		0.00357	0.00500	0	71.4	0.003890	8.58	07/11/2011
Acenaphthylene	0.00010		0.00381	0.00500	0	76.2	0.004060	6.35	07/11/2011
Anthracene	0.00010		0.00389	0.00500	0	77.8	0.003890	0.00	07/11/2011
Benzo(a)anthracene	0.00010		0.00377	0.00500	0	75.4	0.003760	0.27	07/11/2011
Benzo(a)pyrene	0.00010		0.00372	0.00500	0	74.4	0.003600	3.28	07/11/2011
Benzo(b)fluoranthene	0.00010		0.00408	0.00500	0	81.6	0.003950	3.24	07/11/2011
Benzo(g,h,i)perylene	0.00010		0.00408	0.00500	0	81.6	0.004000	1.98	07/11/2011
Benzo(k)fluoranthene	0.00010		0.00418	0.00500	0	83.6	0.004160	0.48	07/11/2011
Chrysene	0.00010		0.00391	0.00500	0	78.2	0.003910	0.00	07/11/2011
Dibenzo(a,h)anthracene	0.00010		0.00419	0.00500	0	83.8	0.004100	2.17	07/11/2011
Fluoranthene	0.00010		0.00406	0.00500	0	81.2	0.004080	0.49	07/11/2011
Fluorene	0.00010		0.00389	0.00500	0	77.8	0.004090	5.01	07/11/2011
Naphthalene	0.00010		0.00336	0.00500	0	67.2	0.003770	11.50	07/11/2011
Phenanthrene	0.00010		0.00388	0.00500	0	77.6	0.003840	1.04	07/11/2011
Pyrene	0.00010		0.00405	0.00500	0	81.0	0.004090	0.98	07/11/2011
Surr: 2-Fluorobiphenyl			0.00335	0.00500		67.0			07/11/2011
Surr: 2-Fluorophenol			0.00433	0.0100		43.3			07/11/2011
Surr: Nitrobenzene-d5			0.00355	0.00500		71.0			07/11/2011
Surr: Phenol-d5			0.00269	0.0100		26.9			07/11/2011
Surr: p-Terphenyl-d14			0.00391	0.00500		78.2			07/11/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69478		SampType: MBLK		Units µg/L						
SampID: MBLK-T110708-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						07/08/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69478 **SampType:** MBLK **Units** µg/L

SampID: MBLK-T110708-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Ethylbenzene	5.0		ND						07/08/2011
Toluene	5.0		ND						07/08/2011
Xylenes, Total	5.0		ND						07/08/2011
Surr: 1,2-Dichloroethane-d4			52.7	50.0		105.5	74.7	129	07/08/2011
Surr: 4-Bromofluorobenzene			47.4	50.0		94.9	86	119	07/08/2011
Surr: Dibromofluoromethane			50.7	50.0		101.4	81.7	123	07/08/2011
Surr: Toluene-d8			51.0	50.0		101.9	84.3	114	07/08/2011

Batch 69478 **SampType:** LCSD **Units** µg/L

RPD Limit 40
SampID: LCSD-T110708-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		50.4	50.0	0	100.8	51.72	2.55	07/08/2011
Ethylbenzene	5.0		51.3	50.0	0	102.7	52.21	1.70	07/08/2011
Toluene	5.0		50.4	50.0	0	100.7	50.42	0.14	07/08/2011
Xylenes, Total	5.0		157	150	0	104.6	155.4	0.95	07/08/2011
Surr: 1,2-Dichloroethane-d4			53.9	50.0		107.8			07/08/2011
Surr: 4-Bromofluorobenzene			47.2	50.0		94.5			07/08/2011
Surr: Dibromofluoromethane			52.4	50.0		104.7			07/08/2011
Surr: Toluene-d8			51.5	50.0		103.0			07/08/2011

Batch 69478 **SampType:** LCS **Units** µg/L

SampID: LCS-T110708-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		51.7	50.0	0	103.4	82.7	117	07/08/2011
Ethylbenzene	5.0		52.2	50.0	0	104.4	83	113	07/08/2011
Toluene	5.0		50.4	50.0	0	100.8	79.6	116	07/08/2011
Xylenes, Total	5.0		155	150	0	103.6	80.3	120	07/08/2011
Surr: 1,2-Dichloroethane-d4			55.7	50.0		111.5	74.7	129	07/08/2011
Surr: 4-Bromofluorobenzene			48.2	50.0		96.3	86	119	07/08/2011
Surr: Dibromofluoromethane			53.3	50.0		106.7	81.7	123	07/08/2011
Surr: Toluene-d8			50.7	50.0		101.5	84.3	114	07/08/2011

Batch 69478 **SampType:** MS **Units** µg/L

SampID: 11070319-001EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		60.0	60.0	0	100.1	57.8	125	07/08/2011
Ethylbenzene	5.0		68.9	60.0	0	114.9	72.8	123	07/08/2011
Toluene	5.0		61.3	60.0	0	102.1	75.8	123	07/08/2011
Xylenes, Total	5.0		133	120	0	110.9	73	127	07/08/2011
Surr: 1,2-Dichloroethane-d4			55.3	50.0		110.5	74.7	129	07/08/2011
Surr: 4-Bromofluorobenzene			48.7	50.0		97.4	86	119	07/08/2011
Surr: Dibromofluoromethane			52.4	50.0		104.9	81.7	123	07/08/2011
Surr: Toluene-d8			50.4	50.0		100.7	84.3	114	07/08/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69478		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene		2.0		59.9	60.0	0	99.8	60.05	0.25	07/08/2011
Ethylbenzene		5.0		69.5	60.0	0	115.8	68.92	0.85	07/08/2011
Toluene		5.0		62.1	60.0	0	103.5	61.28	1.35	07/08/2011
Xylenes, Total		5.0		132	120	0	109.6	133.1	1.21	07/08/2011
Surr: 1,2-Dichloroethane-d4				54.8	50.0		109.7			07/08/2011
Surr: 4-Bromofluorobenzene				48.4	50.0		96.9			07/08/2011
Surr: Dibromofluoromethane				52.9	50.0		105.9			07/08/2011
Surr: Toluene-d8				50.4	50.0		100.8			07/08/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070319

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 14-Jul-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

08-Jul-11

Timothy W. Mathis

Reviewed by:

On:

08-Jul-11

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 4.8
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☒	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water - vials have zero headspace?	Yes ☒	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒	
Water - pH acceptable upon receipt?	Yes ☒	No ☐		

Any No responses must be detailed below or on the COC.

July 19, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11070481

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 7/13/2011 4:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	9
Dates Report	10
Quality Control Results	11
Receiving Check List	19
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCS D	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11070481**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 19-Jul-11**Cooler Receipt Temp:** 5.4 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

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Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

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Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Lab ID: 11070481-001

Client Sample ID: 30984-treated-7/13/11

Matrix: AQUEOUS

Collection Date: 07/13/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.70		1	07/14/2011 10:11	R151926
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		16	mg/L	1	07/14/2011 9:15	R151936
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		15	mg/L	1	07/13/2011 21:20	69555
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.014		0.018	mg/L	2	07/14/2011 9:08	69563
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.014		0.036	mg/L	2	07/14/2011 9:08	69564
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	07/14/2011 11:16	69552
Barium	NELAP	0.0500		0.465	mg/L	10	07/14/2011 11:44	69552
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/14/2011 11:16	69552
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/14/2011 11:16	69552
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/14/2011 11:16	69552
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/14/2011 11:16	69552
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	07/14/2011 8:53	69550
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/14/2011 10:35	69562
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Anthracene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Chrysene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Fluorene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Pyrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:18	69553
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/14/2011 10:18	69553
Surr: 2-Fluorobiphenyl		34.3-105		71.0	%REC	1	07/14/2011 10:18	69553
Surr: 2-Fluorophenol		19.9-55.7		27.4	%REC	1	07/14/2011 10:18	69553
Surr: Nitrobenzene-d5		36.4-127		65.6	%REC	1	07/14/2011 10:18	69553
Surr: Phenol-d5		8.95-38.5		16.8	%REC	1	07/14/2011 10:18	69553
Surr: p-Terphenyl-d14		6.05-133		74.2	%REC	1	07/14/2011 10:18	69553
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/13/2011 19:11	69574
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/13/2011 19:11	69574

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Lab ID: 11070481-001

Client Sample ID: 30984-treated-7/13/11

Matrix: AQUEOUS

Collection Date: 07/13/2011 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	07/13/2011 19:11	69574
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/13/2011 19:11	69574
Surr: 1,2-Dichloroethane-d4		74.7-129		95.9	%REC	1	07/13/2011 19:11	69574
Surr: 4-Bromofluorobenzene		86-119		97.8	%REC	1	07/13/2011 19:11	69574
Surr: Dibromofluoromethane		81.7-123		104.6	%REC	1	07/13/2011 19:11	69574
Surr: Toluene-d8		84.3-114		97.9	%REC	1	07/13/2011 19:11	69574

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Lab ID: 11070481-002

Client Sample ID: 4419-treated-7/13/11

Matrix: AQUEOUS

Collection Date: 07/13/2011 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.68		1	07/14/2011 10:11	R151926
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	07/14/2011 9:15	R151936
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5	S	16	mg/L	1	07/14/2011 12:40	69583
<i>Laboratory control sample did not recover within QC limits. LCS recovered outside the acceptable range at 78.28%. The acceptable range is 84.6%-115.4%.</i>								
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.015	J	0.011	mg/L	2	07/14/2011 9:08	69563
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.015		0.037	mg/L	2	07/14/2011 9:08	69564
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	07/14/2011 11:22	69552
Barium	NELAP	0.0500		0.506	mg/L	10	07/14/2011 11:50	69552
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/14/2011 11:22	69552
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/14/2011 11:22	69552
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/14/2011 11:22	69552
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/14/2011 11:22	69552
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	07/14/2011 9:03	69550
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/14/2011 10:35	69562
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Anthracene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Chrysene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Fluorene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Pyrene	NELAP	0.00010		ND	mg/L	1	07/14/2011 10:57	69553
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/14/2011 10:57	69553
Surr: 2-Fluorobiphenyl		34.3-105		77.6	%REC	1	07/14/2011 10:57	69553
Surr: 2-Fluorophenol		19.9-55.7		36.0	%REC	1	07/14/2011 10:57	69553
Surr: Nitrobenzene-d5		36.4-127		69.0	%REC	1	07/14/2011 10:57	69553
Surr: Phenol-d5		8.95-38.5		21.5	%REC	1	07/14/2011 10:57	69553
Surr: p-Terphenyl-d14		6.05-133		87.6	%REC	1	07/14/2011 10:57	69553
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/13/2011 19:38	69574

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Lab ID: 11070481-002

Client Sample ID: 4419-treated-7/13/11

Matrix: AQUEOUS

Collection Date: 07/13/2011 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/13/2011 19:38	69574
Toluene	NELAP	5.0		ND	µg/L	1	07/13/2011 19:38	69574
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/13/2011 19:38	69574
Surr: 1,2-Dichloroethane-d4		74.7-129		98.3	%REC	1	07/13/2011 19:38	69574
Surr: 4-Bromofluorobenzene		86-119		98.4	%REC	1	07/13/2011 19:38	69574
Surr: Dibromofluoromethane		81.7-123		104.1	%REC	1	07/13/2011 19:38	69574
Surr: Toluene-d8		84.3-114		98.5	%REC	1	07/13/2011 19:38	69574



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11070481-001	30984-treated-7/13/11	Aqueous	5	07/13/2011 9:10
11070481-002	4419-treated-7/13/11	Aqueous	5	07/13/2011 10:00

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11070481-001A	30984-treated-7/13/11	07/13/2011 9:10	7/13/2011 4:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/13/2011 18:37	07/14/2011 10:18
11070481-001B	30984-treated-7/13/11	07/13/2011 9:10	7/13/2011 4:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/14/2011 10:11
	Standard Methods 18th Ed. 2540 D			07/14/2011 9:15
	Standard Methods 18th Ed. 5210 B		07/13/2011 21:20	07/13/2011 21:20
11070481-001C	30984-treated-7/13/11	07/13/2011 9:10	7/13/2011 4:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/13/2011 18:16	07/14/2011 11:16
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/13/2011 18:16	07/14/2011 11:44
	SW-846 3020A, Metals by GFAA (Total)		07/13/2011 17:39	07/14/2011 8:53
	SW-846 7470A (Total)		07/14/2011 8:13	07/14/2011 10:35
11070481-001D	30984-treated-7/13/11	07/13/2011 9:10	7/13/2011 4:30:00 PM	
	SW-846 9012A		07/13/2011 19:00	07/14/2011 9:08
	SW-846 9012A (Total)		07/13/2011 19:00	07/14/2011 9:08
11070481-001E	30984-treated-7/13/11	07/13/2011 9:10	7/13/2011 4:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/13/2011 19:11
11070481-002A	4419-treated-7/13/11	07/13/2011 10:00	7/13/2011 4:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/13/2011 18:37	07/14/2011 10:57
11070481-002B	4419-treated-7/13/11	07/13/2011 10:00	7/13/2011 4:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/14/2011 10:11
	Standard Methods 18th Ed. 2540 D			07/14/2011 9:15
	Standard Methods 18th Ed. 5210 B		07/14/2011 12:40	07/14/2011 12:40
11070481-002C	4419-treated-7/13/11	07/13/2011 10:00	7/13/2011 4:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/13/2011 18:41	07/14/2011 11:22
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/13/2011 18:41	07/14/2011 11:50
	SW-846 3020A, Metals by GFAA (Total)		07/13/2011 17:39	07/14/2011 9:03
	SW-846 7470A (Total)		07/14/2011 8:13	07/14/2011 10:35
11070481-002D	4419-treated-7/13/11	07/13/2011 10:00	7/13/2011 4:30:00 PM	
	SW-846 9012A		07/13/2011 19:00	07/14/2011 9:08
	SW-846 9012A (Total)		07/13/2011 19:00	07/14/2011 9:08
11070481-002E	4419-treated-7/13/11	07/13/2011 10:00	7/13/2011 4:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/13/2011 19:38

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R151926		SampType: LCS		Units						
SampID: LCS-R151926										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lab pH		1.00		7.02	7.00	0	100.3	99.1	100.8	07/14/2011

Batch R151926		SampType: DUP		Units				RPD Limit 10			
SampID: 11070481-002BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.68				8.680	0.00	07/14/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R151936		SampType: MBLK		Units mg/L							
SampID: MB-R151936											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids		6		< 6						07/14/2011	

Batch R151936		SampType: LCS		Units mg/L						
SampID: LCS-R151936										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids	6		92	100	0	92.0	85	115	07/14/2011	
Total Suspended Solids	6		102	100	0	102.0	85	115	07/14/2011	
Total Suspended Solids	6		97	100	0	97.0	85	115	07/14/2011	
Total Suspended Solids	6		101	100	0	101.0	85	115	07/14/2011	

Batch R151936		SampType: DUP	Units mg/L					RPD Limit 15		
SampID: 11070481-001BDUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids		6		16				16.00	0.00	
										07/14/2011

STANDARD METHODS 18TH ED. 5210 B

Batch 69555		SampType: LCS		Units mg/L						
SampID: LCS-69555										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5		188	198	0	94.9	84.6	115.4	07/13/2011

Batch 69583		SampType: LCS		Units mg/L						
SampID: LCS-69583										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand		5	S	155	198	0	78.3	84.6	115.4	07/14/2011

Batch 69583		SampType: DUP		Units mg/L				RPD Limit 40		
SampID: 11070481-002B-DUP										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5	S	15				0	0.00	07/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 9012A (TOTAL)

Batch 69564		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		< 0.007						07/14/2011

Batch 69564		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.007		0.027	0.025	0	106.2	85	115	07/14/2011

Batch 69564		SampType: MS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cyanide		0.014		0.064	0.025	0.03572	111.2	75	125	07/14/2011

Batch 69564		SampType: MSD		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide		0.015		0.065	0.025	0.03572	115.5	0.06354	1.66	07/14/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69552		SampType: MBLK		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		< 0.0250	0.0250	0	0	-100	100	07/14/2011
Barium		0.0050		< 0.0050	0.0050	0	0	-100	100	07/14/2011
Cadmium		0.0020		< 0.0020	0.0020	0	0	-100	100	07/14/2011
Chromium		0.0100		< 0.0100	0.0100	0	0	-100	100	07/14/2011
Selenium		0.0500		< 0.0500	0.0500	0	0	-100	100	07/14/2011
Silver		0.0100		< 0.0100	0.0100	0	0	-100	100	07/14/2011

Batch 69552		SampType: LCS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		2.07	2.00	0	103.3	85	115	07/14/2011
Barium		0.0050		2.14	2.00	0	106.8	85	115	07/14/2011
Cadmium		0.0020		0.0535	0.0500	0	107.0	85	115	07/14/2011
Chromium		0.0100		0.220	0.200	0	110.0	85	115	07/14/2011
Selenium		0.0500		2.02	2.00	0	100.8	85	115	07/14/2011
Silver		0.0100		0.0532	0.0500	0	106.4	85	115	07/14/2011

Batch 69552		SampType: MS		Units mg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		0.0250		2.04	2.00	0	102.2	75	125	07/14/2011
Barium		0.0500		2.75	2.00	0.5060	112.1	75	125	07/14/2011
Cadmium		0.0020		0.0486	0.0500	0	97.2	75	125	07/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69552		SampType: MS		Units mg/L						
SampID: 11070481-002CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chromium	0.0100		0.196	0.200	0	97.9	75	125	07/14/2011	
Selenium	0.0500		1.99	2.00	0	99.4	75	125	07/14/2011	
Silver	0.0100		0.0496	0.0500	0	99.2	75	125	07/14/2011	

Batch 69552		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070481-002CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		1.95	2.00	0	97.4	2.045	4.91	07/14/2011
Barium		0.0500		2.63	2.00	0.5060	106.2	2.747	4.35	07/14/2011
Cadmium		0.0020		0.0460	0.0500	0	92.0	0.04860	5.50	07/14/2011
Chromium		0.0100		0.186	0.200	0	93.0	0.1957	5.08	07/14/2011
Selenium		0.0500		1.88	2.00	0	94.2	1.988	5.37	07/14/2011
Silver		0.0100		0.0481	0.0500	0	96.2	0.04960	3.07	07/14/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69550		SampType: MBLK		Units mg/L						Date Analyzed	
SampID: MB-69550											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	07/14/2011	

Batch 69550		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-69550										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Lead	7421	0.0020		0.0167	0.0150	0	111.6	80	120	07/14/2011

Batch 69550		SampType: MS		Units mg/L						
SampID: 11070481-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0150	0.0150	0	100.2	70	130	07/14/2011

Batch 69550		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070481-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0149	0.0150	0	99.6	0.01502	0.52	07/14/2011

SW-846 7470A (TOTAL)

Batch 69562		SampType: MBLK		Units mg/L						
SampID: MB-69562										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	07/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 7470A (TOTAL)

Batch 69562		SampType: LCS		Units mg/L						
SampID: LCS-69562										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00506	0.00500	0	101.2	85	115	07/14/2011

Batch 69562		SampType: MS		Units mg/L							
SampID: 11070481-002CMS											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00484	0.00500	0	96.8	75	125	07/14/2011	

Batch 69562		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070481-002CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00489	0.00500	0	97.8	0.004840	1.03	07/14/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69553	SampType: MBLK	Units mg/L							
SampID: MB-69553									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						07/14/2011
Acenaphthylene	0.00010		ND						07/14/2011
Anthracene	0.00010		ND						07/14/2011
Benzo(a)anthracene	0.00010		ND						07/14/2011
Benzo(a)pyrene	0.00010		ND						07/14/2011
Benzo(b)fluoranthene	0.00010		ND						07/14/2011
Benzo(g,h,i)perylene	0.00010		ND						07/14/2011
Benzo(k)fluoranthene	0.00010		ND						07/14/2011
Chrysene	0.00010		ND						07/14/2011
Dibenzo(a,h)anthracene	0.00010		ND						07/14/2011
Fluoranthene	0.00010		ND						07/14/2011
Fluorene	0.00010		ND						07/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						07/14/2011
Naphthalene	0.00010		ND						07/14/2011
Phenanthrene	0.00010		ND						07/14/2011
Pyrene	0.00010		ND						07/14/2011
Total PNAs except Naphthalene	0.00013		ND						07/14/2011
Surr: 2-Fluorobiphenyl			0.00362	0.00500		72.4	41.9	97.9	07/14/2011
Surr: 2-Fluorobiphenyl			0.00419	0.00500		83.8	45.4	97.6	07/14/2011
Surr: 2-Fluorophenol			0.00373	0.0100		37.3	24.9	63.7	07/14/2011
Surr: 2-Fluorophenol			0.00444	0.0100		44.4	16.1	79.2	07/14/2011
Surr: Nitrobenzene-d5			0.00352	0.00500		70.4	45.2	108	07/14/2011
Surr: Nitrobenzene-d5			0.00378	0.00500		75.7	39.9	106	07/14/2011
Surr: Phenol-d5			0.00291	0.0100		29.1	9.94	53.7	07/14/2011
Surr: Phenol-d5			0.00219	0.0100		21.9	15.5	39.5	07/14/2011
Surr: p-Terphenyl-d14			0.00466	0.00500		93.3	53	116	07/14/2011
Surr: p-Terphenyl-d14			0.00453	0.00500		90.6	46	127	07/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69553	SampType: LCS	Units mg/L								
SampID: LCS-69553										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00410	0.00500	0	82.0	50.1	103		07/14/2011
Acenaphthylene	0.00010		0.00439	0.00500	0	87.8	53.3	122		07/14/2011
Anthracene	0.00010		0.00422	0.00500	0	84.4	57.4	110		07/14/2011
Benzo(a)anthracene	0.00010		0.00409	0.00500	0	81.8	56	102		07/14/2011
Benzo(a)pyrene	0.00010		0.00395	0.00500	0	79.0	55.4	125		07/14/2011
Benzo(b)fluoranthene	0.00010		0.00456	0.00500	0	91.2	59.3	127		07/14/2011
Benzo(g,h,i)perylene	0.00010		0.00479	0.00500	0	95.8	58.4	125		07/14/2011
Benzo(k)fluoranthene	0.00010		0.00447	0.00500	0	89.4	61.5	125		07/14/2011
Chrysene	0.00010		0.00427	0.00500	0	85.4	58.7	118		07/14/2011
Dibenzo(a,h)anthracene	0.00010		0.00498	0.00500	0	99.6	59.3	126		07/14/2011
Fluoranthene	0.00010		0.00439	0.00500	0	87.8	60.1	117		07/14/2011
Fluorene	0.00010		0.00437	0.00500	0	87.4	54.1	110		07/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00492	0.00500	0	98.4	58.1	123		07/14/2011
Naphthalene	0.00010		0.00380	0.00500	0	76.0	36.3	97.1		07/14/2011
Phenanthrene	0.00010		0.00416	0.00500	0	83.2	55.9	107		07/14/2011
Pyrene	0.00010		0.00438	0.00500	0	87.6	61.4	116		07/14/2011
Surr: 2-Fluorobiphenyl			0.00363	0.00500		72.6	41.9	97.9		07/14/2011
Surr: 2-Fluorobiphenyl			0.00386	0.00500		77.2	45.4	97.6		07/14/2011
Surr: 2-Fluorophenol			0.00429	0.0100		42.9	16.1	79.2		07/14/2011
Surr: 2-Fluorophenol			0.00414	0.0100		41.4	24.9	63.7		07/14/2011
Surr: Nitrobenzene-d5			0.00381	0.00500		76.1	39.9	106		07/14/2011
Surr: Nitrobenzene-d5			0.00348	0.00500		69.6	45.2	108		07/14/2011
Surr: Phenol-d5			0.00244	0.0100		24.4	15.5	39.5		07/14/2011
Surr: Phenol-d5			0.00273	0.0100		27.3	9.94	53.7		07/14/2011
Surr: p-Terphenyl-d14			0.00455	0.00500		91.0	53	116		07/14/2011
Surr: p-Terphenyl-d14			0.00449	0.00500		89.8	46	127		07/14/2011

Batch 69553	SampType: LCSD	Units mg/L					RPD Limit 50		
SampID: LCSD-69553									Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.00010		0.00462	0.00500	0	92.4	0.004100	11.93	07/14/2011
Acenaphthylene	0.00010		0.00488	0.00500	0	97.6	0.004390	10.57	07/14/2011
Anthracene	0.00010		0.00476	0.00500	0	95.2	0.004220	12.03	07/14/2011
Benzo(a)anthracene	0.00010		0.00458	0.00500	0	91.6	0.004090	11.30	07/14/2011
Benzo(a)pyrene	0.00010		0.00457	0.00500	0	91.4	0.003950	14.55	07/14/2011
Benzo(b)fluoranthene	0.00010		0.00579	0.00500	0	115.8	0.004560	23.77	07/14/2011
Benzo(g,h,i)perylene	0.00010		0.00530	0.00500	0	106.0	0.004790	10.11	07/14/2011
Benzo(k)fluoranthene	0.00010		0.00508	0.00500	0	101.6	0.004470	12.77	07/14/2011
Chrysene	0.00010		0.00474	0.00500	0	94.8	0.004270	10.43	07/14/2011
Dibenzo(a,h)anthracene	0.00010		0.00555	0.00500	0	111.0	0.004980	10.83	07/14/2011
Fluoranthene	0.00010		0.00494	0.00500	0	98.8	0.004390	11.79	07/14/2011
Fluorene	0.00010		0.00486	0.00500	0	97.2	0.004370	10.62	07/14/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00547	0.00500	0	109.4	0.004920	10.59	07/14/2011
Naphthalene	0.00010		0.00423	0.00500	0	84.6	0.003800	10.71	07/14/2011
Phenanthrene	0.00010		0.00466	0.00500	0	93.2	0.004160	11.34	07/14/2011
Pyrene	0.00010		0.00496	0.00500	0	99.2	0.004380	12.42	07/14/2011
Surr: 2-Fluorobiphenyl			0.00384	0.00500		76.8			07/14/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69553		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-69553										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analized	
Surr: 2-Fluorobiphenyl			0.00357	0.00500		71.4			07/14/2011	
Surr: 2-Fluorophenol			0.00442	0.0100		44.2			07/14/2011	
Surr: 2-Fluorophenol			0.00435	0.0100		43.5			07/14/2011	
Surr: Nitrobenzene-d5			0.00390	0.00500		77.9			07/14/2011	
Surr: Nitrobenzene-d5			0.00358	0.00500		71.6			07/14/2011	
Surr: Phenol-d5			0.00257	0.0100		25.7			07/14/2011	
Surr: Phenol-d5			0.00280	0.0100		28.1			07/14/2011	
Surr: p-Terphenyl-d14			0.00460	0.00500		92.0			07/14/2011	
Surr: p-Terphenyl-d14			0.00436	0.00500		87.1			07/14/2011	

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69574		SampType: MBLK		Units µg/L						
SampID: MBLK-R110713-1										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Benzene	0.50	J	0.26						07/13/2011	
Benzene	2.0		ND						07/13/2011	
Ethylbenzene	1.00	J	0.37						07/13/2011	
Ethylbenzene	5.0		ND						07/13/2011	
Toluene	2.00	J	0.30						07/13/2011	
Toluene	5.0		ND						07/13/2011	
Xylenes, Total	5.0		ND						07/13/2011	
Xylenes, Total	1.00	J	0.77						07/13/2011	
Surr: 1,2-Dichloroethane-d4			47.4	50.0		94.9	74.7	129	07/13/2011	
Surr: 1,2-Dichloroethane-d4			47.4	50.0		94.9	74.7	129	07/13/2011	
Surr: 4-Bromofluorobenzene			49.3	50.0		98.7	86	119	07/13/2011	
Surr: 4-Bromofluorobenzene			49.3	50.0		98.7	86	119	07/13/2011	
Surr: Dibromofluoromethane			51.8	50.0		103.7	81.7	123	07/13/2011	
Surr: Dibromofluoromethane			51.8	50.0		103.7	81.7	123	07/13/2011	
Surr: Toluene-d8			48.6	50.0		97.3	84.3	114	07/13/2011	
Surr: Toluene-d8			48.6	50.0		97.3	84.3	114	07/13/2011	

Batch 69574		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-R110713-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	0.50		54.2	50.0	0	108.3	52.59	2.94	07/13/2011	
Benzene	2.0		54.2	50.0	0	108.3	52.59	2.94	07/13/2011	
Ethylbenzene	5.0		50.1	50.0	0	100.2	49.03	2.20	07/13/2011	
Ethylbenzene	1.00		50.1	50.0	0	100.2	49.03	2.20	07/13/2011	
Toluene	5.0		49.4	50.0	0	98.8	47.14	4.70	07/13/2011	
Toluene	2.00		49.4	50.0	0	98.8	47.14	4.70	07/13/2011	
Xylenes, Total	5.0		148	150	0	98.5	144.7	2.07	07/13/2011	
Xylenes, Total	1.00		148	150	0	98.5	144.7	2.07	07/13/2011	
Surr: 1,2-Dichloroethane-d4			48.6	50.0		97.2			07/13/2011	
Surr: 1,2-Dichloroethane-d4			48.6	50.0		97.2			07/13/2011	
Surr: 4-Bromofluorobenzene			48.9	50.0		97.7			07/13/2011	
Surr: 4-Bromofluorobenzene			48.9	50.0		97.7			07/13/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69574		SampType: LCSD	Units µg/L					RPD Limit 40		Date Analyzed
SampID: LCSD-R110713-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Surr: Dibromofluoromethane			52.3	50.0		104.6			07/13/2011	
Surr: Dibromofluoromethane			52.3	50.0		104.6			07/13/2011	
Surr: Toluene-d8			49.3	50.0		98.6			07/13/2011	
Surr: Toluene-d8			49.3	50.0		98.6			07/13/2011	

Batch 69574	SampType: LCS	Units µg/L							
SampID: LCS-R110713-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.50		52.6	50.0	0	105.2	82.7	117	07/13/2011
Benzene	2.0		52.6	50.0	0	105.2	82.7	117	07/13/2011
Ethylbenzene	1.00		49.0	50.0	0	98.1	83	113	07/13/2011
Ethylbenzene	5.0		49.0	50.0	0	98.1	83	113	07/13/2011
Toluene	2.00		47.1	50.0	0	94.3	79.6	116	07/13/2011
Toluene	5.0		47.1	50.0	0	94.3	79.6	116	07/13/2011
Xylenes, Total	1.00		145	150	0	96.5	80.3	120	07/13/2011
Xylenes, Total	5.0		145	150	0	96.5	80.3	120	07/13/2011
Surr: 1,2-Dichloroethane-d4			49.4	50.0		98.9	74.7	129	07/13/2011
Surr: 1,2-Dichloroethane-d4			49.4	50.0		98.9	74.7	129	07/13/2011
Surr: 4-Bromofluorobenzene			49.4	50.0		98.9	86	119	07/13/2011
Surr: 4-Bromofluorobenzene			49.4	50.0		98.9	86	119	07/13/2011
Surr: Dibromofluoromethane			53.4	50.0		106.9	81.7	123	07/13/2011
Surr: Dibromofluoromethane			53.4	50.0		106.9	81.7	123	07/13/2011
Surr: Toluene-d8			48.9	50.0		97.8	84.3	114	07/13/2011
Surr: Toluene-d8			48.9	50.0		97.8	84.3	114	07/13/2011

Batch 69574		SampType: MS		Units µg/L						
SampID: 11070481-002EMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene	2.0		39.6	46.0	0	86.0	57.8	125	07/13/2011	
Ethylbenzene	5.0		47.1	46.0	0	102.3	72.8	123	07/13/2011	
Toluene	5.0		41.7	46.0	0	90.7	75.8	123	07/13/2011	
Xylenes, Total	5.0		89.9	92.0	0	97.7	73	127	07/13/2011	
Surr: 1,2-Dichloroethane-d4			47.9	50.0		95.7	74.7	129	07/13/2011	
Surr: 4-Bromofluorobenzene			48.5	50.0		96.9	86	119	07/13/2011	
Surr: Dibromofluoromethane			53.1	50.0		106.1	81.7	123	07/13/2011	
Surr: Toluene-d8			48.7	50.0		97.4	84.3	114	07/13/2011	

Batch 69574	SampType: MSD	Units µg/L					RPD Limit 20		
SampID: 11070481-002EMSD									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Benzene	2.0		40.0	46.0	0	86.9	39.56	1.03	07/13/2011
Ethylbenzene	5.0		47.0	46.0	0	102.2	47.06	0.09	07/13/2011
Toluene	5.0		41.8	46.0	0	90.8	41.71	0.10	07/13/2011
Xylenes, Total	5.0		90.3	92.0	0	98.2	89.87	0.50	07/13/2011
Surr: 1,2-Dichloroethane-d4			47.6	50.0		95.2			07/13/2011
Surr: 4-Bromofluorobenzene			48.5	50.0		97.1			07/13/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69574		SampType: MSD		Units µg/L		RPD Limit 20				Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: Dibromofluoromethane				53.2	50.0		106.4			07/13/2011
Surr: Toluene-d8				48.5	50.0		97.0			07/13/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070481

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 19-Jul-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

Marvin L. Darling II

Reviewed by:

Elizabeth A. Hurley

On:

On:

13-Jul-11

13-Jul-11

Marvin L. Darling

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.4

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

18th Dec 2011

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics	Hydrochloric acid (HCl)	
☐ VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐ TPH	Hydrochloric acid and/or Sulfuric acid (HNO ₃)	
☒ Metals	Nitric acid	
☒ Cyanide	Sodium hydroxide (NaOH)	
☐ Other (Specify)		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P-SAZAMA & L HOOSIER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:		Relinquished by:		Received by:	
Carrier / Airbill No.		Signature	Date	Signature	Date
			7/13/11		7/13/11
			7/13/11		7/13/11
			12:17		12:17
			1630		1630

Distribution:	WHITE to Lab	CANARY to PM	PINK to QA/QC	GREEN to Sampler
PE-179 (6/03)				

July 25, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11070727

Dear Pete Sazama:

TEKLAB, INC received 2 samples on 7/19/2011 2:25:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	9
Dates Report	10
Quality Control Results	11
Receiving Check List	19
Chain of Custody	Appended

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP**Work Order:** 11070727**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 25-Jul-11**Cooler Receipt Temp:** 4.2 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
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Kansas City

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Lenexa, KS 66214

Phone (913) 541-1998

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Lab ID: 11070727-001

Client Sample ID: 3286-treated-7/19/11

Matrix: AQUEOUS

Collection Date: 07/19/2011 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.93		1	07/20/2011 16:04	R152192
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		13	mg/L	1	07/20/2011 9:45	R152151
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		26	mg/L	1	07/20/2011 16:00	69746
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.014		< 0.014	mg/L	2	07/21/2011 7:51	69780
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.014		0.026	mg/L	2	07/21/2011 7:51	69779
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.012	mg/L	1	07/20/2011 9:45	69691
Barium	NELAP	0.0050		0.353	mg/L	1	07/20/2011 9:45	69691
Cadmium	NELAP	0.0020	S	0.0088	mg/L	1	07/20/2011 9:45	69691
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/20/2011 9:45	69691
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/20/2011 9:45	69691
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/20/2011 9:45	69691
<i>Cd - Matrix interference present in sample.</i>								
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0004	mg/L	1	07/20/2011 11:26	69694
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/20/2011 11:53	69704
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Anthracene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Chrysene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Fluorene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Pyrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 10:58	69643
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/20/2011 10:58	69643
Surr: 2-Fluorobiphenyl		34.3-105		78.2	%REC	1	07/20/2011 10:58	69643
Surr: 2-Fluorophenol		19.9-55.7		25.9	%REC	1	07/20/2011 10:58	69643
Surr: Nitrobenzene-d5		36.4-127		53.4	%REC	1	07/20/2011 10:58	69643
Surr: Phenol-d5		8.95-38.5		13.6	%REC	1	07/20/2011 10:58	69643
Surr: p-Terphenyl-d14		6.05-133		75.4	%REC	1	07/20/2011 10:58	69643
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/19/2011 19:16	69729

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Lab ID: 11070727-001

Client Sample ID: 3286-treated-7/19/11

Matrix: AQUEOUS

Collection Date: 07/19/2011 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/19/2011 19:16	69729
Toluene	NELAP	5.0		ND	µg/L	1	07/19/2011 19:16	69729
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/19/2011 19:16	69729
Surr: 1,2-Dichloroethane-d4		74.7-129		92.3	%REC	1	07/19/2011 19:16	69729
Surr: 4-Bromofluorobenzene		86-119		98.3	%REC	1	07/19/2011 19:16	69729
Surr: Dibromofluoromethane		81.7-123		101.7	%REC	1	07/19/2011 19:16	69729
Surr: Toluene-d8		84.3-114		99.7	%REC	1	07/19/2011 19:16	69729

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Lab ID: 11070727-002

Client Sample ID: 30984-treated-7/19/11

Matrix: AQUEOUS

Collection Date: 07/19/2011 9:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.91		1	07/20/2011 16:04	R152192
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	07/20/2011 9:45	R152151
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		26	mg/L	1	07/20/2011 16:10	69746
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.015		Interference	mg/L	2	07/21/2011 7:51	69780
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.014		0.026	mg/L	2	07/21/2011 7:51	69779
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.016	mg/L	1	07/20/2011 10:02	69691
Barium	NELAP	0.0050		0.335	mg/L	1	07/20/2011 10:02	69691
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/20/2011 10:02	69691
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/20/2011 10:02	69691
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/20/2011 10:02	69691
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/20/2011 10:02	69691
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020		< 0.0020	mg/L	1	07/20/2011 12:31	69694
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/20/2011 11:53	69704
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Anthracene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Chrysene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Fluorene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Pyrene	NELAP	0.00010		ND	mg/L	1	07/20/2011 11:38	69643
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/20/2011 11:38	69643
Surr: 2-Fluorobiphenyl		34.3-105		66.6	%REC	1	07/20/2011 11:38	69643
Surr: 2-Fluorophenol		19.9-55.7		21.7	%REC	1	07/20/2011 11:38	69643
Surr: Nitrobenzene-d5		36.4-127		46.0	%REC	1	07/20/2011 11:38	69643
Surr: Phenol-d5		8.95-38.5		11.3	%REC	1	07/20/2011 11:38	69643
Surr: p-Terphenyl-d14		6.05-133		66.8	%REC	1	07/20/2011 11:38	69643
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/19/2011 19:45	69729
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/19/2011 19:45	69729

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Lab ID: 11070727-002

Client Sample ID: 30984-treated-7/19/11

Matrix: AQUEOUS

Collection Date: 07/19/2011 9:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		ND	µg/L	1	07/19/2011 19:45	69729
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/19/2011 19:45	69729
Surr: 1,2-Dichloroethane-d4		74.7-129		91.8	%REC	1	07/19/2011 19:45	69729
Surr: 4-Bromofluorobenzene		86-119		98.3	%REC	1	07/19/2011 19:45	69729
Surr: Dibromofluoromethane		81.7-123		102.9	%REC	1	07/19/2011 19:45	69729
Surr: Toluene-d8		84.3-114		99.6	%REC	1	07/19/2011 19:45	69729



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11070727-001	3286-treated-7/19/11	Aqueous	5	07/19/2011 9:45
11070727-002	30984-treated-7/19/11	Aqueous	5	07/19/2011 9:55

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11070727-001A	3286-treated-7/19/11	07/19/2011 9:45	7/19/2011 2:25:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/19/2011 19:14	07/20/2011 10:58
11070727-001B	3286-treated-7/19/11	07/19/2011 9:45	7/19/2011 2:25:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/20/2011 16:04
	Standard Methods 18th Ed. 2540 D			07/20/2011 9:45
	Standard Methods 18th Ed. 5210 B		07/20/2011 16:00	07/20/2011 16:00
11070727-001C	3286-treated-7/19/11	07/19/2011 9:45	7/19/2011 2:25:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/19/2011 18:35	07/20/2011 9:45
	SW-846 3020A, Metals by GFAA (Total)		07/19/2011 20:36	07/20/2011 11:26
	SW-846 7470A (Total)		07/20/2011 8:20	07/20/2011 11:53
11070727-001D	3286-treated-7/19/11	07/19/2011 9:45	7/19/2011 2:25:00 PM	
	SW-846 9012A		07/20/2011 14:15	07/21/2011 7:51
	SW-846 9012A (Total)		07/20/2011 14:15	07/21/2011 7:51
11070727-001E	3286-treated-7/19/11	07/19/2011 9:45	7/19/2011 2:25:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/19/2011 19:16
11070727-002A	30984-treated-7/19/11	07/19/2011 9:55	7/19/2011 2:25:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/19/2011 19:14	07/20/2011 11:38
11070727-002B	30984-treated-7/19/11	07/19/2011 9:55	7/19/2011 2:25:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/20/2011 16:04
	Standard Methods 18th Ed. 2540 D			07/20/2011 9:45
	Standard Methods 18th Ed. 5210 B		07/20/2011 16:10	07/20/2011 16:10
11070727-002C	30984-treated-7/19/11	07/19/2011 9:55	7/19/2011 2:25:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/19/2011 18:35	07/20/2011 10:02
	SW-846 3020A, Metals by GFAA (Total)		07/19/2011 20:36	07/20/2011 12:31
	SW-846 7470A (Total)		07/20/2011 8:20	07/20/2011 11:53
11070727-002D	30984-treated-7/19/11	07/19/2011 9:55	7/19/2011 2:25:00 PM	
	SW-846 9012A		07/20/2011 14:15	07/21/2011 7:51
	SW-846 9012A (Total)		07/20/2011 14:15	07/21/2011 7:51
11070727-002E	30984-treated-7/19/11	07/19/2011 9:55	7/19/2011 2:25:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/19/2011 19:45

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R152192		SampType: LCS		Units							
SampID: LCS-R152192											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.8	07/20/2011	

Batch R152192		SampType: DUP		Units				RPD Limit 10			
SampID: 11070727-002BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.91				8.910	0.00	07/20/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R152151		SampType: MBLK		Units mg/L							
SampID: MB-R152151											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						07/20/2011	

Batch R152151		SampType: LCS		Units mg/L						
SampID: LCS-R152151										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Suspended Solids	6		97	100	0	97.0	85	115	07/20/2011	
Total Suspended Solids	6		99	100	0	99.0	85	115	07/20/2011	
Total Suspended Solids	6		88	100	0	88.0	85	115	07/20/2011	

Batch R152151		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11070727-002BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		< 6				0	0.00	07/20/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 69746		SampType: LCS		Units mg/L						
SampID: LCS-69746										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Biochemical Oxygen Demand		5		218	198	0	110.1	84.6	115.4	07/20/2011

Batch 69746		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 11070727-002B-DUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Biochemical Oxygen Demand		5		26				26.00	0.00	07/20/2011	

SW-846 9012A (TOTAL)

Batch 69779		SampType: MBLK		Units mg/L						
SampID: MB-69779										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						07/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 9012A (TOTAL)

Batch 69779		SampType: LCS		Units mg/L					
SampID: LCS-69779									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide	0.007		0.024	0.025	0	95.9	85	115	07/21/2011

Batch 69779		SampType: MS		Units mg/L					
SampID: 11070727-001DMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.014		0.048	0.025	0.02550	91.9	75	125	07/21/2011

Batch 69779		SampType: MSD		Units mg/L				RPD Limit 15		Date Analyzed
SampID: 11070727-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide		0.014		0.050	0.025	0.02550	98.5	0.04848	3.33	

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69691		SampType: MBLK		Units mg/L						
SampID: MB-69691										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	07/20/2011	
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	07/20/2011	
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	07/20/2011	
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	07/20/2011	
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	07/20/2011	
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	07/20/2011	

Batch 69691		SampType: LCS		Units mg/L					
SampID: LCS-69691									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		1.95	2.00	0	97.3	85	115	07/20/2011
Barium	0.0050		1.94	2.00	0	96.8	85	115	07/20/2011
Cadmium	0.0020		0.0487	0.0500	0	97.4	85	115	07/20/2011
Chromium	0.0100		0.193	0.200	0	96.6	85	115	07/20/2011
Selenium	0.0500		1.94	2.00	0	96.8	85	115	07/20/2011
Silver	0.0100		0.0494	0.0500	0	98.8	85	115	07/20/2011

Batch 69691		SampType: MS		Units mg/L						
SampID: 11070727-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.92	2.00	0.01200	95.4	75	125	07/20/2011	
Barium	0.0050		2.12	2.00	0.3529	88.5	75	125	07/20/2011	
Cadmium	0.0020	S	0.0455	0.0500	0.008800	73.4	75	125	07/20/2011	
Chromium	0.0100		0.180	0.200	0	89.8	75	125	07/20/2011	
Selenium	0.0500		1.88	2.00	0	93.9	75	125	07/20/2011	
Silver	0.0100		0.0481	0.0500	0	96.2	75	125	07/20/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69691		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 11070727-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.0250		1.92	2.00	0.01200	95.4	1.919	0.00	07/20/2011
Barium		0.0050		2.13	2.00	0.3529	89.0	2.122	0.52	07/20/2011
Cadmium		0.0020	S	0.0445	0.0500	0.008800	71.4	0.04550	2.22	07/20/2011
Chromium		0.0100		0.179	0.200	0	89.4	0.1797	0.56	07/20/2011
Selenium		0.0500		1.88	2.00	0	93.8	1.878	0.05	07/20/2011
Silver		0.0100		0.0482	0.0500	0	96.4	0.04810	0.21	07/20/2011

Batch 69691		SampType: MS		Units mg/L						
SampID: 11070727-002CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		1.82	2.00	0.01570	90.5	75	125	07/20/2011
Barium		0.0050		2.08	2.00	0.3347	87.0	75	125	07/20/2011
Cadmium		0.0020		0.0422	0.0500	0	84.4	75	125	07/20/2011
Chromium		0.0100		0.174	0.200	0	87.1	75	125	07/20/2011
Selenium		0.0500		1.79	2.00	0	89.7	75	125	07/20/2011
Silver		0.0100		0.0462	0.0500	0	92.4	75	125	07/20/2011

Batch 69691		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070727-002CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		1.65	2.00	0.01570	81.9	1.825	9.83	07/20/2011
Barium		0.0050		1.88	2.00	0.3347	77.3	2.075	9.81	07/20/2011
Cadmium		0.0020		0.0386	0.0500	0	77.2	0.04220	8.91	07/20/2011
Chromium		0.0100		0.158	0.200	0	78.8	0.1742	10.01	07/20/2011
Selenium		0.0500		1.62	2.00	0	81.2	1.794	9.95	07/20/2011
Silver		0.0100		0.0423	0.0500	0	84.6	0.04620	8.81	07/20/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69694		SampType: MBLK		Units mg/L						
SampID: MB-69694										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	07/20/2011

Batch 69694		SampType: LCS		Units mg/L						
SampID: LCS-69694										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0150	0.0150	0	99.7	80	120	07/20/2011

Batch 69694		SampType: MS		Units mg/L						
SampID: 11070727-002CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0040		0.0119	0.0150	0	79.6	70	130	07/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69694		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 11070727-002CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0040		0.0136	0.0150	0	90.5	0.01195	12.83	07/20/2011

SW-846 7470A (TOTAL)

Batch 69704		SampType: MBLK		Units mg/L						
SampID: MB-69704										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	07/20/2011

Batch 69704		SampType: LCS		Units mg/L						
SampID: LCS-69704										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00506	0.00500	0	101.2	85	115	07/20/2011

Batch 69704		SampType: MS		Units mg/L						
SampID: 11070727-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00511	0.00500	0	102.2	75	125	07/20/2011

Batch 69704		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070727-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00486	0.00500	0	97.2	0.005110	5.02	07/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69643		SampType: MBLK		Units mg/L								
SampID: MB-69643												Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Acenaphthene		0.00010		ND							07/19/2011	
Acenaphthylene		0.00010		ND							07/19/2011	
Anthracene		0.00010		ND							07/19/2011	
Benzo(a)anthracene		0.00010		ND							07/19/2011	
Benzo(a)pyrene		0.00010		ND							07/19/2011	
Benzo(b)fluoranthene		0.00010		ND							07/19/2011	
Benzo(g,h,i)perylene		0.00010		ND							07/19/2011	
Benzo(k)fluoranthene		0.00010		ND							07/19/2011	
Chrysene		0.00010		ND							07/19/2011	
Dibenzo(a,h)anthracene		0.00010		ND							07/19/2011	
Fluoranthene		0.00010		ND							07/19/2011	
Fluorene		0.00010		ND							07/19/2011	
Indeno(1,2,3-cd)pyrene		0.00010		ND							07/19/2011	
Naphthalene		0.00010		ND							07/19/2011	
Phenanthrene		0.00010		ND							07/19/2011	
Pyrene		0.00010		ND							07/19/2011	
Total PNAs except Naphthalene		0.00013		ND							07/19/2011	
Surr: 2-Fluorobiphenyl				0.00365	0.00500		73.0	45.4	97.6		07/19/2011	
Surr: 2-Fluorophenol				0.00412	0.0100		41.2	24.9	63.7		07/19/2011	
Surr: Nitrobenzene-d5				0.00383	0.00500		76.6	45.2	108		07/19/2011	
Surr: Phenol-d5				0.00238	0.0100		23.8	15.5	39.5		07/19/2011	
Surr: p-Terphenyl-d14				0.00411	0.00500		82.2	46	127		07/19/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69643		SampType: LCS		Units mg/L						
SampID: LCS-69643										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Acenaphthene	0.00010		0.00434	0.00500	0	86.8	50.1	103	07/19/2011	
Acenaphthylene	0.00010		0.00451	0.00500	0	90.2	53.3	122	07/19/2011	
Anthracene	0.00010		0.00451	0.00500	0	90.2	57.4	110	07/19/2011	
Benzo(a)anthracene	0.00010		0.00421	0.00500	0	84.2	56	102	07/19/2011	
Benzo(a)pyrene	0.00010		0.00465	0.00500	0	93.0	55.4	125	07/19/2011	
Benzo(b)fluoranthene	0.00010		0.00479	0.00500	0	95.8	59.3	127	07/19/2011	
Benzo(g,h,i)perylene	0.00010		0.00469	0.00500	0	93.8	58.4	125	07/19/2011	
Benzo(k)fluoranthene	0.00010		0.00477	0.00500	0	95.4	61.5	125	07/19/2011	
Chrysene	0.00010		0.00453	0.00500	0	90.6	58.7	118	07/19/2011	
Dibenzo(a,h)anthracene	0.00010		0.00478	0.00500	0	95.6	59.3	126	07/19/2011	
Fluoranthene	0.00010		0.00469	0.00500	0	93.8	60.1	117	07/19/2011	
Fluorene	0.00010		0.00455	0.00500	0	91.0	54.1	110	07/19/2011	
Indeno(1,2,3-cd)pyrene	0.00010		0.00471	0.00500	0	94.2	58.1	123	07/19/2011	
Naphthalene	0.00010		0.00400	0.00500	0	80.0	36.3	97.1	07/19/2011	
Phenanthrene	0.00010		0.00439	0.00500	0	87.8	55.9	107	07/19/2011	
Pyrene	0.00010		0.00461	0.00500	0	92.2	61.4	116	07/19/2011	
Surr: 2-Fluorobiphenyl			0.00340	0.00500		68.0	45.4	97.6	07/19/2011	
Surr: 2-Fluorophenol			0.00402	0.0100		40.2	24.9	63.7	07/19/2011	
Surr: Nitrobenzene-d5			0.00369	0.00500		73.8	45.2	108	07/19/2011	
Surr: Phenol-d5			0.00239	0.0100		23.9	15.5	39.5	07/19/2011	
Surr: p-Terphenyl-d14			0.00393	0.00500		78.6	46	127	07/19/2011	

Batch 69643		SampType: LCSD		Units mg/L				RPD Limit 50		
SampID: LCSD-69643										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Acenaphthene	0.00010		0.00430	0.00500	0	86.0	0.004340	0.93		07/19/2011
Acenaphthylene	0.00010		0.00433	0.00500	0	86.6	0.004510	4.07		07/19/2011
Anthracene	0.00010		0.00455	0.00500	0	91.0	0.004510	0.88		07/19/2011
Benzo(a)anthracene	0.00010		0.00436	0.00500	0	87.2	0.004210	3.50		07/19/2011
Benzo(a)pyrene	0.00010		0.00464	0.00500	0	92.8	0.004650	0.22		07/19/2011
Benzo(b)fluoranthene	0.00010		0.00485	0.00500	0	97.0	0.004790	1.24		07/19/2011
Benzo(g,h,i)perylene	0.00010		0.00474	0.00500	0	94.8	0.004690	1.06		07/19/2011
Benzo(k)fluoranthene	0.00010		0.00488	0.00500	0	97.6	0.004770	2.28		07/19/2011
Chrysene	0.00010		0.00472	0.00500	0	94.4	0.004530	4.11		07/19/2011
Dibenzo(a,h)anthracene	0.00010		0.00484	0.00500	0	96.8	0.004780	1.25		07/19/2011
Fluoranthene	0.00010		0.00476	0.00500	0	95.2	0.004690	1.48		07/19/2011
Fluorene	0.00010		0.00456	0.00500	0	91.2	0.004550	0.22		07/19/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00477	0.00500	0	95.4	0.004710	1.27		07/19/2011
Naphthalene	0.00010		0.00386	0.00500	0	77.2	0.004000	3.56		07/19/2011
Phenanthrene	0.00010		0.00455	0.00500	0	91.0	0.004390	3.58		07/19/2011
Pyrene	0.00010		0.00465	0.00500	0	93.0	0.004610	0.86		07/19/2011
Surr: 2-Fluorobiphenyl			0.00352	0.00500		70.4				07/19/2011
Surr: 2-Fluorophenol			0.00430	0.0100		43.0				07/19/2011
Surr: Nitrobenzene-d5			0.00388	0.00500		77.6				07/19/2011
Surr: Phenol-d5			0.00263	0.0100		26.3				07/19/2011
Surr: p-Terphenyl-d14			0.00408	0.00500		81.6				07/19/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 69729 **SampType:** MBLK Units $\mu\text{g/L}$

SampID: MBLK-R110719-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		ND						07/19/2011
Ethylbenzene	5.0		ND						07/19/2011
Toluene	5.0		ND						07/19/2011
Xylenes, Total	5.0		ND						07/19/2011
Surr: 1,2-Dichloroethane-d4			49.0	50.0		97.9	74.7	129	07/19/2011
Surr: 4-Bromofluorobenzene			49.6	50.0		99.3	86	119	07/19/2011
Surr: Dibromofluoromethane			51.8	50.0		103.7	81.7	123	07/19/2011
Surr: Toluene-d8			49.3	50.0		98.6	84.3	114	07/19/2011

Batch 69729 **SampType:** LCSD Units $\mu\text{g/L}$

RPD Limit 40

SampID: LCSD-R110719-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	2.0		47.9	50.0	0	95.7	49.77	3.91	07/19/2011
Ethylbenzene	5.0		47.0	50.0	0	93.9	49.42	5.08	07/19/2011
Toluene	5.0		46.0	50.0	0	92.1	49.33	6.88	07/19/2011
Xylenes, Total	5.0		140	150	0	93.0	146.2	4.67	07/19/2011
Surr: 1,2-Dichloroethane-d4			49.3	50.0		98.6			07/19/2011
Surr: 4-Bromofluorobenzene			48.4	50.0		96.9			07/19/2011
Surr: Dibromofluoromethane			50.9	50.0		101.8			07/19/2011
Surr: Toluene-d8			49.9	50.0		99.8			07/19/2011

Batch 69729 **SampType:** LCS Units $\mu\text{g/L}$

SampID: LCS-R110719-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		49.8	50.0	0	99.5	82.7	117	07/19/2011
Ethylbenzene	5.0		49.4	50.0	0	98.8	83	113	07/19/2011
Toluene	5.0		49.3	50.0	0	98.7	79.6	116	07/19/2011
Xylenes, Total	5.0		146	150	0	97.5	80.3	120	07/19/2011
Surr: 1,2-Dichloroethane-d4			48.8	50.0		97.5	74.7	129	07/19/2011
Surr: 4-Bromofluorobenzene			49.4	50.0		98.7	86	119	07/19/2011
Surr: Dibromofluoromethane			50.8	50.0		101.5	81.7	123	07/19/2011
Surr: Toluene-d8			51.1	50.0		102.2	84.3	114	07/19/2011

Batch 69729 **SampType:** MS Units $\mu\text{g/L}$

SampID: 11070727-002EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		45.8	50.0	0	91.6	57.8	125	07/19/2011
Ethylbenzene	5.0		48.0	50.0	0	96.1	72.8	123	07/19/2011
Toluene	5.0		43.5	50.0	0	87.0	75.8	123	07/19/2011
Xylenes, Total	5.0		88.4	100	0	88.4	73	127	07/19/2011
Surr: 1,2-Dichloroethane-d4			46.8	50.0		93.6	74.7	129	07/19/2011
Surr: 4-Bromofluorobenzene			48.5	50.0		97.0	86	119	07/19/2011
Surr: Dibromofluoromethane			51.7	50.0		103.3	81.7	123	07/19/2011
Surr: Toluene-d8			50.2	50.0		100.4	84.3	114	07/19/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69729		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11070727-002EMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		2.0		46.2	50.0	0	92.4	45.78	0.89	07/19/2011
Ethylbenzene		5.0		47.3	50.0	0	94.7	48.04	1.49	07/19/2011
Toluene		5.0		43.4	50.0	0	86.8	43.51	0.21	07/19/2011
Xylenes, Total		5.0		87.7	100	0	87.7	88.39	0.77	07/19/2011
Surr: 1,2-Dichloroethane-d4				45.3	50.0		90.6			07/19/2011
Surr: 4-Bromofluorobenzene				48.2	50.0		96.3			07/19/2011
Surr: Dibromofluoromethane				50.9	50.0		101.8			07/19/2011
Surr: Toluene-d8				49.8	50.0		99.7			07/19/2011



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070727

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 25-Jul-11

Carrier: Sean Spinner

Received By: DB

Completed by:

On:

19-Jul-11

Dawn Brantley

Reviewed by:

On:

20-Jul-11

Heather A. White

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 4.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



11070727

COC Serial No. B 10041

Samples Iced:	☒ Yes	☐ No
Preservatives (ONLY for Water Samples)		
☒ Volatile Organics		Hydrochloric acid (HCl)
☐ VOC Soil (5035)		Sodium Bisulfate/Methanol
☐ TPH		Hydrochloric acid and/or Sulfuric acid (HNO ₃)
☒ Metals		Nitric acid
☒ Cyanide		Sodium hydroxide (NaOH)
☐ Other (Specify) _____		

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other _____

Fax and/or Mail Results to: P-SAZAMA & L. HODSNER

Send Invoice to: _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

[illegible]

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler
PE-179 (6/03)

Shaded Areas to be Completed by Lab

July 26, 2011

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: A831-735002-012901-225Ameren Champaign
62409080120

WorkOrder: 11070801

Dear Pete Sazama:

TEKLAB, INC received 1 sample on 7/20/2011 3:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Heather A. White
Project Manager
(618)344-1004 ex 20
HWhite@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	7
Dates Report	8
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Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	X - Value exceeds Maximum Contaminant Level

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

Cooler Receipt Temp: 3.2 °C

Locations and Accreditations

Collinsville

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Collinsville, IL 62234-7425

Phone (618) 344-1004

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2011	Collinsville

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

Lab ID: 11070801-001

Client Sample ID: 4419-treated-7/20/11

Matrix: AQUEOUS

Collection Date: 07/20/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.77		1	07/20/2011 17:05	R152192
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		9	mg/L	1	07/21/2011 9:30	R152222
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5	S	22	mg/L	1	07/21/2011 14:20	69785
<i>Laboratory control sample did not recover within QC limits. LCS recovered outside of the acceptable range at 79.29%. The acceptable range is 84.6-115.4%</i>								
SW-846 9012A								
Cyanide, Amenable to Chlorination		0.036		Interference	mg/L	5	07/21/2011 7:51	69776
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.035		0.112	mg/L	5	07/21/2011 7:51	69773
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250	J	0.012	mg/L	1	07/21/2011 9:58	69740
Barium	NELAP	0.0050		0.224	mg/L	1	07/21/2011 9:58	69740
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	07/21/2011 9:58	69740
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	07/21/2011 9:58	69740
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	07/21/2011 9:58	69740
Silver	NELAP	0.0100		< 0.0100	mg/L	1	07/21/2011 9:58	69740
SW-846 3020A, METALS BY GFAA (TOTAL)								
Lead 7421	NELAP	0.0020	J	0.0006	mg/L	1	07/21/2011 9:40	69742
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/21/2011 12:38	69752
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Acenaphthylene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Anthracene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Benzo(a)anthracene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Chrysene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Fluoranthene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Fluorene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Naphthalene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Phenanthrene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Pyrene	NELAP	0.00010		ND	mg/L	1	07/21/2011 10:18	69693
Total PNAs except Naphthalene		0.00013		ND	mg/L	1	07/21/2011 10:18	69693
Surr: 2-Fluorobiphenyl		34.3-105		81.8	%REC	1	07/21/2011 10:18	69693
Surr: 2-Fluorophenol		19.9-55.7		44.0	%REC	1	07/21/2011 10:18	69693
Surr: Nitrobenzene-d5		36.4-127		94.2	%REC	1	07/21/2011 10:18	69693
Surr: Phenol-d5		8.95-38.5		24.7	%REC	1	07/21/2011 10:18	69693
Surr: p-Terphenyl-d14		6.05-133		91.0	%REC	1	07/21/2011 10:18	69693

The recovery of Benzo(a)anthracene exceeded QC limits in the LCS and LCSD. The sample was ND for this compound.

Client: PSC Industrial Outsourcing, LP**Work Order:** 11070801**Client Project:** A831-735002-012901-225Ameren Champaign 62409080120**Report Date:** 26-Jul-11**Lab ID:** 11070801-001**Client Sample ID:** 4419-treated-7/20/11**Matrix:** AQUEOUS**Collection Date:** 07/20/2011 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2.0		ND	µg/L	1	07/20/2011 17:50	69762
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/20/2011 17:50	69762
Toluene	NELAP	5.0		ND	µg/L	1	07/20/2011 17:50	69762
Xylenes, Total	NELAP	5.0		ND	µg/L	1	07/20/2011 17:50	69762
Surr: 1,2-Dichloroethane-d4		74.7-129		105.0	%REC	1	07/20/2011 17:50	69762
Surr: 4-Bromofluorobenzene		86-119		96.9	%REC	1	07/20/2011 17:50	69762
Surr: Dibromofluoromethane		81.7-123		106.0	%REC	1	07/20/2011 17:50	69762
Surr: Toluene-d8		84.3-114		101.7	%REC	1	07/20/2011 17:50	69762



Sample Summary

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
11070801-001	4419-treated-7/20/11	Aqueous	5	07/20/2011 9:40

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
11070801-001A	4419-treated-7/20/11	07/20/2011 9:40	7/20/2011 3:30:00 PM	
	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		07/20/2011 18:43	07/21/2011 10:18
11070801-001B	4419-treated-7/20/11	07/20/2011 9:40	7/20/2011 3:30:00 PM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			07/20/2011 17:05
	Standard Methods 18th Ed. 2540 D			07/21/2011 9:30
	Standard Methods 18th Ed. 5210 B		07/21/2011 14:20	07/21/2011 14:20
11070801-001C	4419-treated-7/20/11	07/20/2011 9:40	7/20/2011 3:30:00 PM	
	SW-846 3005A, 6010B, Metals by ICP (Total)		07/20/2011 17:05	07/21/2011 9:58
	SW-846 3020A, Metals by GFAA (Total)		07/20/2011 17:24	07/21/2011 9:40
	SW-846 7470A (Total)		07/21/2011 8:43	07/21/2011 12:38
11070801-001D	4419-treated-7/20/11	07/20/2011 9:40	7/20/2011 3:30:00 PM	
	SW-846 9012A		07/20/2011 18:40	07/21/2011 7:51
	SW-846 9012A (Total)		07/20/2011 18:40	07/21/2011 7:51
11070801-001E	4419-treated-7/20/11	07/20/2011 9:40	7/20/2011 3:30:00 PM	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/20/2011 17:50

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R152192		SampType: LCS		Units							
SampID: LCS-R152192											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lab pH		1.00		7.00	7.00	0	100	99.1	100.8	07/20/2011	

Batch R152192		SampType: DUP		Units				RPD Limit 10			
SampID: 11070801-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lab pH		1.00		8.79				8.770	0.23	07/20/2011	

STANDARD METHODS 18TH ED. 2540 D

Batch R152222		SampType: MBLK		Units mg/L							
SampID: MB-R152222											Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Suspended Solids		6		< 6						07/21/2011	

Batch R152222		SampType: LCS		Units mg/L						
SampID: LCS-R152222										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		97	100	0	97.0	85	115	07/21/2011
Total Suspended Solids		6		96	100	0	96.0	85	115	07/21/2011
Total Suspended Solids		6		96	100	0	96.0	85	115	07/21/2011

Batch R152222		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 11070801-001BDUP										Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		6		8				9.000	11.76	07/21/2011	

STANDARD METHODS 18TH ED. 5210 B

Batch 69785		SampType: LCS		Units mg/L						
SampID: LCS-69785										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		5	S	157	198	0	79.3	84.6	115.4	07/21/2011

Batch 69785		SampType: DUP	Units mg/L					RPD Limit 40		Date Analyzed
SampID: 11070801-001B-DUP										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Biochemical Oxygen Demand		5		22				22.00	0.00	07/21/2011

SW-846 9012A (TOTAL)

Batch 69773		SampType: MBLK		Units mg/L						
SampID: MB-69773										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		< 0.007						07/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

SW-846 9012A (TOTAL)

Batch 69773		SampType: LCS		Units mg/L						
SampID: LCS-69773										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.007		0.025	0.025	0	99.5	85	115	07/21/2011

Batch 69773		SampType: MS		Units mg/L						
SampID: 11070801-001DMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Cyanide		0.042		0.142	0.025	0.1116	122.0	75	125	07/21/2011

Batch 69773		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070801-001DMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.035		0.131	0.025	0.1116	79.0	0.1421	7.88	07/21/2011

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69740		SampType: MBLK		Units mg/L					
SampID: MB-69740									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		< 0.0250	0.0250	0	0	-100	100	07/21/2011
Barium	0.0050		< 0.0050	0.0050	0	0	-100	100	07/21/2011
Cadmium	0.0020		< 0.0020	0.0020	0	0	-100	100	07/21/2011
Chromium	0.0100		< 0.0100	0.0100	0	0	-100	100	07/21/2011
Selenium	0.0500		< 0.0500	0.0500	0	0	-100	100	07/21/2011
Silver	0.0100		< 0.0100	0.0100	0	0	-100	100	07/21/2011

Batch 69740		SampType: LCS		Units mg/L						
SampID: LCS-69740										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Arsenic		0.0250		2.03	2.00	0	101.7	85	115	07/21/2011
Barium		0.0050		2.04	2.00	0	102.1	85	115	07/21/2011
Cadmium		0.0020		0.0505	0.0500	0	101.0	85	115	07/21/2011
Chromium		0.0100		0.201	0.200	0	100.7	85	115	07/21/2011
Selenium		0.0500		1.98	2.00	0	99.2	85	115	07/21/2011
Silver		0.0100		0.0499	0.0500	0	99.8	85	115	07/21/2011

Batch 69740		SampType: MS		Units mg/L						
SampID: 11070801-001CMS										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic	0.0250		1.93	2.00	0.01250	95.9	75	125	07/21/2011	
Barium	0.0050		2.02	2.00	0.2243	89.7	75	125	07/21/2011	
Cadmium	0.0020		0.0460	0.0500	0	92.0	75	125	07/21/2011	
Chromium	0.0100		0.184	0.200	0	92.0	75	125	07/21/2011	
Selenium	0.0500		1.85	2.00	0	92.4	75	125	07/21/2011	
Silver	0.0100		0.0459	0.0500	0	91.8	75	125	07/21/2011	

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 69740		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070801-001CMSD										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Arsenic		0.0250		1.99	2.00	0.01250	99.1	1.930	3.26	07/21/2011
Barium		0.0050		2.08	2.00	0.2243	92.9	2.019	3.07	07/21/2011
Cadmium		0.0020		0.0473	0.0500	0	94.6	0.04600	2.79	07/21/2011
Chromium		0.0100		0.188	0.200	0	94.0	0.1841	2.10	07/21/2011
Selenium		0.0500		1.90	2.00	0	94.9	1.848	2.67	07/21/2011
Silver		0.0100		0.0474	0.0500	0	94.8	0.04590	3.22	07/21/2011

SW-846 3020A, METALS BY GFAA (TOTAL)

Batch 69742		SampType: MBLK		Units mg/L						
SampID: MB-69742										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		< 0.0020	0.0020	0	0	-100	100	07/21/2011

Batch 69742		SampType: LCS		Units mg/L						
SampID: LCS-69742										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Lead	7421	0.0020		0.0146	0.0150	0	97.3	80	120	07/21/2011

Batch 69742		SampType: MS		Units mg/L						
SampID: 11070801-001CMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	7421	0.0020		0.0130	0.0150	0.0005525	82.8	70	130	07/21/2011

Batch 69742		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 11070801-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	7421	0.0020		0.0131	0.0150	0.0005525	83.9	0.01297	1.25	07/21/2011

SW-846 7470A (TOTAL)

Batch 69752		SampType: MBLK		Units mg/L						
SampID: MB-69752										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.00020	0	0	-100	100	07/21/2011

Batch 69752		SampType: LCS		Units mg/L						
SampID: LCS-69752										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00509	0.00500	0	101.8	85	115	07/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

SW-846 7470A (TOTAL)

Batch 69752		SampType: MS		Units mg/L						
SampID: 11070801-001CMS										Date
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Mercury		0.00020		0.00491	0.00500	0	98.2	75	125	07/21/2011

Batch 69752		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 11070801-001CMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00496	0.00500	0	99.2	0.004910	1.01	07/21/2011

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69693	SampType: MBLK	Units mg/L							
SampID: MB-69693									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.00010		ND						07/21/2011
Acenaphthene	0.00010		ND						07/22/2011
Acenaphthylene	0.00010		ND						07/21/2011
Anthracene	0.00010		ND						07/21/2011
Anthracene	0.00010		ND						07/22/2011
Benzo(a)anthracene	0.00010		ND						07/21/2011
Benzo(a)pyrene	0.00010		ND						07/21/2011
Benzo(b)fluoranthene	0.00010		ND						07/21/2011
Benzo(g,h,i)perylene	0.00010		ND						07/21/2011
Benzo(k)fluoranthene	0.00010		ND						07/21/2011
Chrysene	0.00010		ND						07/21/2011
Dibenzo(a,h)anthracene	0.00010		ND						07/21/2011
Fluoranthene	0.00010		ND						07/21/2011
Fluoranthene	0.00010		ND						07/22/2011
Fluorene	0.00010		ND						07/21/2011
Fluorene	0.00010		ND						07/22/2011
Indeno(1,2,3-cd)pyrene	0.00010		ND						07/21/2011
Naphthalene	0.00010		ND						07/21/2011
Naphthalene	0.00010		ND						07/22/2011
Phenanthrene	0.00010		ND						07/22/2011
Phenanthrene	0.00010		ND						07/21/2011
Pyrene	0.00010		ND						07/22/2011
Pyrene	0.00010		ND						07/21/2011
Total PNAs except Naphthalene	0.00013		ND						07/21/2011
Surr: 2-Fluorobiphenyl			0.00426	0.00500		85.2	41.9	97.9	07/22/2011
Surr: 2-Fluorobiphenyl			0.00397	0.00500		79.4	45.4	97.6	07/21/2011
Surr: 2-Fluorophenol			0.00470	0.0100		47.0	24.9	63.7	07/21/2011
Surr: Nitrobenzene-d5			0.00463	0.00500		92.6	39.9	106	07/22/2011
Surr: Nitrobenzene-d5			0.00464	0.00500		92.8	45.2	108	07/21/2011
Surr: Phenol-d5			0.00262	0.0100		26.2	15.5	39.5	07/21/2011
Surr: p-Terphenyl-d14			0.00561	0.00500		112.1	53	116	07/22/2011
Surr: p-Terphenyl-d14			0.00453	0.00500		90.6	46	127	07/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69693	SampType: LCS	Units mg/L								
SampID: LCS-69693										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene	0.00010		0.00459	0.00500	0	91.8	50.1	103		07/22/2011
Acenaphthene	0.00010		0.00470	0.00500	0	94.0	50.1	103		07/21/2011
Acenaphthylene	0.00010		0.00491	0.00500	0	98.2	53.3	122		07/21/2011
Anthracene	0.00010		0.00515	0.00500	0	103.1	57.4	110		07/22/2011
Anthracene	0.00010		0.00498	0.00500	0	99.6	57.4	110		07/21/2011
Benzo(a)anthracene	0.00010	S	0.00514	0.00500	0	102.8	56	102		07/21/2011
Benzo(a)pyrene	0.00010		0.00480	0.00500	0	96.0	55.4	125		07/21/2011
Benzo(b)fluoranthene	0.00010		0.00552	0.00500	0	110.4	59.3	127		07/21/2011
Benzo(g,h,i)perylene	0.00010		0.00545	0.00500	0	109.0	58.4	125		07/21/2011
Benzo(k)fluoranthene	0.00010		0.00550	0.00500	0	110.0	61.5	125		07/21/2011
Chrysene	0.00010		0.00552	0.00500	0	110.4	58.7	118		07/21/2011
Dibenzo(a,h)anthracene	0.00010		0.00550	0.00500	0	110.0	59.3	126		07/21/2011
Fluoranthene	0.00010		0.00556	0.00500	0	111.1	60.1	117		07/22/2011
Fluoranthene	0.00010		0.00524	0.00500	0	104.8	60.1	117		07/21/2011
Fluorene	0.00010		0.00496	0.00500	0	99.3	54.1	110		07/22/2011
Fluorene	0.00010		0.00517	0.00500	0	103.4	54.1	110		07/21/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00547	0.00500	0	109.4	58.1	123		07/21/2011
Naphthalene	0.00010		0.00403	0.00500	0	80.6	36.3	97.1		07/21/2011
Naphthalene	0.00010		0.00404	0.00500	0	80.9	36.3	97.1		07/22/2011
Phenanthrene	0.00010		0.00490	0.00500	0	98.0	55.9	107		07/21/2011
Phenanthrene	0.00010		0.00515	0.00500	0	103.0	55.9	107		07/22/2011
Pyrene	0.00010		0.00529	0.00500	0	105.7	61.4	116		07/22/2011
Pyrene	0.00010		0.00520	0.00500	0	104.0	61.4	116		07/21/2011
Surr: 2-Fluorobiphenyl			0.00415	0.00500		83.0	41.9	97.9		07/22/2011
Surr: 2-Fluorobiphenyl			0.00374	0.00500		74.8	45.4	97.6		07/21/2011
Surr: 2-Fluorophenol			0.00437	0.0100		43.7	24.9	63.7		07/21/2011
Surr: Nitrobenzene-d5			0.00421	0.00500		84.1	39.9	106		07/22/2011
Surr: Nitrobenzene-d5			0.00432	0.00500		86.4	45.2	108		07/21/2011
Surr: Phenol-d5			0.00241	0.0100		24.1	15.5	39.5		07/21/2011
Surr: p-Terphenyl-d14			0.00534	0.00500		106.8	53	116		07/22/2011
Surr: p-Terphenyl-d14			0.00419	0.00500		83.8	46	127		07/21/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69693	SampType: LCSD	Units mg/L					RPD Limit 40		
SampID: LCSD-69693									Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Acenaphthene	0.00010	S	0.00454	0.00500	0	90.8	0.004590	1.14	07/22/2011
Acenaphthene	0.00010		0.00495	0.00500	0	99.0	0.004700	5.18	07/21/2011
Acenaphthylene	0.00010		0.00507	0.00500	0	101.4	0.004910	3.21	07/21/2011
Anthracene	0.00010		0.00494	0.00500	0	98.8	0.005153	4.22	07/22/2011
Anthracene	0.00010		0.00533	0.00500	0	106.6	0.004980	6.79	07/21/2011
Benzo(a)anthracene	0.00010		0.00530	0.00500	0	106.0	0.005140	3.07	07/21/2011
Benzo(a)pyrene	0.00010		0.00493	0.00500	0	98.6	0.004800	2.67	07/21/2011
Benzo(b)fluoranthene	0.00010		0.00586	0.00500	0	117.2	0.005520	5.98	07/21/2011
Benzo(g,h,i)perylene	0.00010		0.00580	0.00500	0	116.0	0.005450	6.22	07/21/2011
Benzo(k)fluoranthene	0.00010		0.00581	0.00500	0	116.2	0.005500	5.48	07/21/2011
Chrysene	0.00010		0.00570	0.00500	0	114.0	0.005520	3.21	07/21/2011
Dibenzo(a,h)anthracene	0.00010		0.00576	0.00500	0	115.2	0.005500	4.62	07/21/2011
Fluoranthene	0.00010		0.00538	0.00500	0	107.5	0.005555	3.26	07/22/2011
Fluoranthene	0.00010		0.00552	0.00500	0	110.4	0.005240	5.20	07/21/2011
Fluorene	0.00010		0.00484	0.00500	0	96.7	0.004963	2.61	07/22/2011
Fluorene	0.00010		0.00515	0.00500	0	103.0	0.005170	0.39	07/21/2011
Indeno(1,2,3-cd)pyrene	0.00010		0.00576	0.00500	0	115.2	0.005470	5.16	07/21/2011
Naphthalene	0.00010		0.00392	0.00500	0	78.3	0.004045	3.22	07/22/2011
Naphthalene	0.00010		0.00432	0.00500	0	86.4	0.004030	6.95	07/21/2011
Phenanthrene	0.00010		0.00497	0.00500	0	99.4	0.005151	3.54	07/22/2011
Phenanthrene	0.00010	0.00519	0.00500	0	103.8	0.004900	5.75	07/21/2011	
Pyrene	0.00010	0.00509	0.00500	0	101.8	0.005285	3.72	07/22/2011	
Pyrene	0.00010	0.00547	0.00500	0	109.4	0.005200	5.06	07/21/2011	
Surr: 2-Fluorobiphenyl			0.00391	0.00500		78.3			07/22/2011
Surr: 2-Fluorobiphenyl			0.00379	0.00500		75.8			07/21/2011
Surr: 2-Fluorophenol			0.00442	0.0100		44.2			07/21/2011
Surr: Nitrobenzene-d5			0.00393	0.00500		78.6			07/22/2011
Surr: Nitrobenzene-d5			0.00440	0.00500		88.0			07/21/2011
Surr: Phenol-d5			0.00264	0.0100		26.4			07/21/2011
Surr: p-Terphenyl-d14			0.00438	0.00500		87.6			07/21/2011
Surr: p-Terphenyl-d14			0.00501	0.00500		100.1			07/22/2011

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69762		SampType: MBLK		Units µg/L						
SampID: MBLK-T110720-1										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		2.0		ND						07/20/2011
Ethylbenzene		5.0		ND						07/20/2011
Toluene		5.0		ND						07/20/2011
Xylenes, Total		5.0		ND						07/20/2011
Surr: 1,2-Dichloroethane-d4				52.4	50.0		104.8	74.7	129	07/20/2011
Surr: 4-Bromofluorobenzene				49.0	50.0		97.9	86	119	07/20/2011
Surr: Dibromofluoromethane				52.5	50.0		104.9	81.7	123	07/20/2011
Surr: Toluene-d8				51.0	50.0		101.9	84.3	114	07/20/2011

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 69762		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: LCSD-T110720-1										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		50.4	50.0	0	100.8	50.72	0.67	07/20/2011	
Ethylbenzene	5.0		51.5	50.0	0	103.1	52.20	1.27	07/20/2011	
Toluene	5.0		50.1	50.0	0	100.2	50.18	0.20	07/20/2011	
Xylenes, Total	5.0		158	150	0	105.0	157.8	0.17	07/20/2011	
Surr: 1,2-Dichloroethane-d4			53.8	50.0		107.7			07/20/2011	
Surr: 4-Bromofluorobenzene			48.2	50.0		96.4			07/20/2011	
Surr: Dibromofluoromethane			53.3	50.0		106.6			07/20/2011	
Surr: Toluene-d8			51.5	50.0		102.9			07/20/2011	

Batch 69762		SampType: LCS		Units µg/L					
SampID: LCS-T110720-1									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		50.7	50.0	0	101.4	82.7	117	07/20/2011
Ethylbenzene	5.0		52.2	50.0	0	104.4	83	113	07/20/2011
Toluene	5.0		50.2	50.0	0	100.4	79.6	116	07/20/2011
Xylenes, Total	5.0		158	150	0	105.2	80.3	120	07/20/2011
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.8	74.7	129	07/20/2011
Surr: 4-Bromofluorobenzene			48.0	50.0		96.1	86	119	07/20/2011
Surr: Dibromofluoromethane			53.7	50.0		107.5	81.7	123	07/20/2011
Surr: Toluene-d8			51.5	50.0		103.0	84.3	114	07/20/2011

Batch 69762		SampType: MS		Units µg/L					
SampID: 11070801-001EMS									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	2.0		52.5	60.0	0	87.5	57.8	125	07/20/2011
Ethylbenzene	5.0		69.3	60.0	0	115.5	72.8	123	07/20/2011
Toluene	5.0		60.2	60.0	0	100.3	75.8	123	07/20/2011
Xylenes, Total	5.0		138	120	0	114.8	73	127	07/20/2011
Surr: 1,2-Dichloroethane-d4			53.4	50.0		106.8	74.7	129	07/20/2011
Surr: 4-Bromofluorobenzene			48.2	50.0		96.4	86	119	07/20/2011
Surr: Dibromofluoromethane			53.4	50.0		106.8	81.7	123	07/20/2011
Surr: Toluene-d8			51.5	50.0		103.0	84.3	114	07/20/2011

Batch 69762		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 11070801-001EMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene	2.0		51.7	60.0	0	86.2	52.47	1.44	07/20/2011	
Ethylbenzene	5.0		69.2	60.0	0	115.3	69.31	0.19	07/20/2011	
Toluene	5.0		58.9	60.0	0	98.2	60.18	2.13	07/20/2011	
Xylenes, Total	5.0		137	120	0	113.9	137.8	0.77	07/20/2011	
Surr: 1,2-Dichloroethane-d4			53.6	50.0		107.1			07/20/2011	
Surr: 4-Bromofluorobenzene			49.1	50.0		98.3			07/20/2011	
Surr: Dibromofluoromethane			53.0	50.0		105.9			07/20/2011	
Surr: Toluene-d8			50.8	50.0		101.6			07/20/2011	



Receiving Check List

<http://www.teklabinc.com/>

Client: PSC Industrial Outsourcing, LP

Work Order: 11070801

Client Project: A831-735002-012901-225Ameren Champaign 62409080120

Report Date: 26-Jul-11

Carrier: Sean Spinner

Received By: TWM

Completed by:

On:

20-Jul-11

Timothy W. Mathis

Reviewed by:

On:

20-Jul-11

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 3.2

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☒

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - vials have zero headspace?

Yes ☒

No ☐

No VOA vials ☐

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Any No responses must be detailed below or on the COC.



Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

COC Serial No. **B** 10042

Project Name: Champaign M6P Project Mgr.: P. SAZANA

Project Number: 624-0908-0120 Cost Code: 50002

Sampler(s): J. BLANTON

Laboratory Name: TEKLAB

Location: COCKSVILLE

Sample Number and (depth) 4419-1-1-7120/11 Date 7/20/11 Time 9:40

Total Number of Containers

Analyses by Method Name and Number

Matrix
Soil
Water
Air
Wipes
Other *

BTX (8270) X
SVOC (8270 SIMS) X
PCPA METALS X
TOTAL METALS X
CYANIDE X
PH X
TSS X
BOD'S X

Laboratory Temperature upon Receipt
3.2

Comments (Field PID) 4 PUS4

Lab ID #'s 11070801-001

Pres / Tue 7-20-11

8 HEADSPACE

Teklab, Inc.

Courier PickUp

One Day TAT

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☒ Volatile Organics Hydrochloric acid (HCl)
☐ VOC Soil (5035) Sodium Bisulfate/Methanol
☐ TPH Hydrochloric acid and/or Sulfuric acid (HNO₃)
☒ Metals Nitric acid
☒ Cyanide Sodium hydroxide (NaOH)
☐ Other (Specify)

Lab Directives:

Requested TAT: ☒ Rush ☐ 5 Days ☐ STD ☐ Other
Fax and/or Mail Results to: L. HODGINS & P. SAZANA
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines: _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature Louie H. Hodge
Date 7-20-11 Time 11:40

Received by:

Signature [Signature]
Date 7-20-11 Time 1140

Distribution: WHITE to Lab PE-179 (6/03)
CANARY to PM
PINK to QA/QC
GREEN to Sampler

Shaded Areas to be Completed by Lab