

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

June 04, 2008

John Linnemann
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120



RE: Ameren Champaign

WorkOrder: 08051056

Dear John Linnemann:

TEKLAB, INC received 1 sample on 5/29/2008 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. 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

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Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08051056-001	Waste Water	5	5/29/2008 1:30:00 PM

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Client: Philip Environmental

Project: Ameren Champaign

LabOrder: 08051056

Report Date: 04-Jun-08

CASE NARRATIVE

Cooler Receipt Temp: 13.0 °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

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental

WorkOrder: 08051056

Lab ID: 08051056-001

Report Date: 04-Jun-08

Client Project: Ameren Champaign

Client Sample ID: Waste Water

Collection Date: 5/29/2008 1:30:00 PM

Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>EPA 600 410.4</u>								
Chemical Oxygen Demand	NELAP	50		617	mg/L	1	6/2/2008	BSJ
<u>STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED</u>								
Lab pH	NELAP	1.00		12.3		1	5/30/2008 12:28:00 PM	LMK
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Arsenic	NELAP	0.0250		0.0686	mg/L	1	5/30/2008 5:38:23 PM	LAL
Barium	NELAP	0.0050		0.248	mg/L	1	5/30/2008 5:38:23 PM	LAL
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	5/30/2008 5:38:23 PM	LAL
Chromium	NELAP	0.0100		0.112	mg/L	1	5/30/2008 5:38:23 PM	LAL
Lead	NELAP	0.0400		0.0885	mg/L	1	5/30/2008 5:38:23 PM	LAL
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	5/30/2008 5:38:23 PM	LAL
Silver	NELAP	0.0100		< 0.0100	mg/L	1	5/30/2008 5:38:23 PM	LAL
<u>SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.00010		0.00124	mg/L	1	5/30/2008 10:32:00 PM	TDN
Acenaphthylene	NELAP	0.00010		0.00096	mg/L	1	5/30/2008 10:32:00 PM	TDN
Anthracene	NELAP	0.00010		0.00032	mg/L	1	5/30/2008 10:32:00 PM	TDN
Benzo(a)anthracene	NELAP	0.00010		0.00017	mg/L	1	5/30/2008 10:32:00 PM	TDN
Benzo(a)pyrene	NELAP	0.00010		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.00010		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.00010		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00395	mg/L	1	5/30/2008 10:32:00 PM	TDN
Chrysene	NELAP	0.00010		0.00012	mg/L	1	5/30/2008 10:32:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.00010		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Diethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Dimethyl phthalate	NELAP	0.00100		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Di-n-butyl phthalate	NELAP	0.00100		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
Fluoranthene	NELAP	0.00010		0.00044	mg/L	1	5/30/2008 10:32:00 PM	TDN
Fluorene	NELAP	0.00010		0.00083	mg/L	1	5/30/2008 10:32:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.00010		ND	mg/L	1	5/30/2008 10:32:00 PM	TDN
m,p-Cresol	NELAP	0.00010		0.00090	mg/L	1	5/30/2008 10:32:00 PM	TDN
Naphthalene	NELAP	0.00010		0.0110	mg/L	1	5/30/2008 10:32:00 PM	TDN
o-Cresol	NELAP	0.00010		0.00021	mg/L	1	5/30/2008 10:32:00 PM	TDN
Phenanthrene	NELAP	0.00010		0.00202	mg/L	1	5/30/2008 10:32:00 PM	TDN
Pyrene	NELAP	0.00010		0.00055	mg/L	1	5/30/2008 10:32:00 PM	TDN
Total PNAs except Naphthalene		0.00013		0.00665	mg/L	1	5/30/2008 10:32:00 PM	TDN
Surr: 2-Fluorobiphenyl		41.1-108		66.6	%REC	1	5/30/2008 10:32:00 PM	TDN
Surr: 2-Fluorophenol		16.8-65.9		34.0	%REC	1	5/30/2008 10:32:00 PM	TDN
Surr: Nitrobenzene-d5		37.6-105		65.0	%REC	1	5/30/2008 10:32:00 PM	TDN

ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08051056
Lab ID: 08051056-001
Report Date: 04-Jun-08

Client Project: Ameren Champaign
Client Sample ID: Waste Water
Collection Date: 5/29/2008 1:30:00 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: Phenol-d5		11-42.8		21.8	%REC	1	5/30/2008 10:32:00 PM	TDN
Surr: p-Terphenyl-d14		49-113		50.2	%REC	1	5/30/2008 10:32:00 PM	TDN
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		5.2	µg/L	1	6/2/2008 3:55:00 PM	CCF
Ethylbenzene	NELAP	5.0	J	2.1	µg/L	1	6/2/2008 3:55:00 PM	CCF
Toluene	NELAP	5.0	J	1.4	µg/L	1	6/2/2008 3:55:00 PM	CCF
Xylenes, Total	NELAP	5.0	J	2.8	µg/L	1	6/2/2008 3:55:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		103.2	%REC	1	6/2/2008 3:55:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		100.4	%REC	1	6/2/2008 3:55:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		102.3	%REC	1	6/2/2008 3:55:00 PM	CCF
Surr: Toluene-d8		84.3-114		98.1	%REC	1	6/2/2008 3:55:00 PM	CCF
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020	J	0.00010	mg/L	1	6/3/2008	MEK

Sample Narrative

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Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08051056-001A	Waste Water	5/29/2008	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/29/2008	5/30/2008
08051056-001B				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		5/30/2008
08051056-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	5/29/2008	5/30/2008
				SW-846 7470A (Total)	6/2/2008	6/3/2008
08051056-001D				EPA 600 410.4		6/2/2008
08051056-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/31/2008	5/31/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	6/2/2008	6/2/2008

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.
- 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: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: I_COD_E_AT

Sample ID: MB-R108844	SampType: MBLK	Units: mg/L	Prep Date:	RunNo: 108844							
Client ID: ZZZZZZ	Batch ID: R108844		Analysis Date: 6/2/2008	SeqNo: 1965187							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chemical Oxygen Demand

< 0

0

Sample ID: LCS-R108844	SampType: LCS	Units: mg/L	Prep Date:	RunNo: 108844							
Client ID: ZZZZZZ	Batch ID: R108844		Analysis Date: 6/2/2008	SeqNo: 1965188							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chemical Oxygen Demand

209

50

200.0

0

104.6

76

115

Sample ID: 08051056-001DMS	SampType: MS	Units: mg/L	Prep Date:	RunNo: 108844							
Client ID: Waste WaterMS	Batch ID: R108844		Analysis Date: 6/2/2008	SeqNo: 1965202							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chemical Oxygen Demand

1610

100

1000

617.0

99.6

85

115

Sample ID: 08051056-001DMSD	SampType: MSD	Units: mg/L	Prep Date:	RunNo: 108844							
Client ID: Waste WaterMSD	Batch ID: R108844		Analysis Date: 6/2/2008	SeqNo: 1965203							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chemical Oxygen Demand

1600

100

1000

617.0

98.7

85

115

1613

0.572

10

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: MB-45208	SampType: MBLK	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108738							
Client ID: ZZZZZZ	Batch ID: 45208	SOP 3034	Analysis Date: 5/30/2008	SeqNo: 1964137							
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				
Lead	< 0.0400	0.0400	0.04000	0	0	-100	100				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	0.0035	0.0100	0.01000	0	35.0	-100	100				J

Sample ID: LCS-45208	SampType: LCS	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108738							
Client ID: ZZZZZZ	Batch ID: 45208	SOP 3034	Analysis Date: 5/30/2008	SeqNo: 1964140							
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	2.04	0.0050	2.000	0	102.2	85	115				
Cadmium	0.0512	0.0020	0.05000	0	102.4	85	115				
Chromium	0.199	0.0100	0.2000	0	99.5	85	115				
Lead	0.510	0.0400	0.5000	0	102.0	85	115				
Selenium	1.98	0.0500	2.000	0	99.1	85	115				
Silver	0.0496	0.0100	0.05000	0	99.2	85	115				

Sample ID: 08051056-001CMS	SampType: MS	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108738							
Client ID: Waste WaterMS	Batch ID: 45208	SOP 3034	Analysis Date: 5/30/2008	SeqNo: 1964147							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.08	0.0250	2.000	0.06860	100.5	75	125				
Barium	2.06	0.0050	2.000	0.2483	90.5	75	125				
Cadmium	0.0452	0.0020	0.05000	0	90.4	75	125				
Chromium	0.303	0.0100	0.2000	0.1124	95.5	75	125				
Lead	0.537	0.0400	0.5000	0.08850	89.7	75	125				
Selenium	2.00	0.0500	2.000	0	100	75	125				

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 08051056-001CMS	SampType: MS	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108738							
Client ID: Waste WaterMS	Batch ID: 45208	SOP 3034	Analysis Date: 5/30/2008	SeqNo: 1964147							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.0455	0.0100	0.05000	0	91.0	75	125				

Sample ID: 08051056-001CMSD	SampType: MSD	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108738							
Client ID: Waste WaterMSD	Batch ID: 45208	SOP 3034	Analysis Date: 5/30/2008	SeqNo: 1964148							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.04	0.0250	2.000	0.06860	98.8	75	125	2.079	1.65	20	
Barium	2.05	0.0050	2.000	0.2483	90.1	75	125	2.058	0.389	20	
Cadmium	0.0444	0.0020	0.05000	0	88.8	75	125	0.04520	1.79	20	
Chromium	0.303	0.0100	0.2000	0.1124	95.2	75	125	0.3034	0.198	20	
Lead	0.532	0.0400	0.5000	0.08850	88.8	75	125	0.5372	0.916	20	
Selenium	1.96	0.0500	2.000	0	98.0	75	125	2.000	2.07	20	
Silver	0.0465	0.0100	0.05000	0	93.0	75	125	0.04550	2.17	20	

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_S

Sample ID: MB-45255	SampType: MBLK	Units: mg/L	Prep Date: 6/2/2008	RunNo: 108882							
Client ID: ZZZZZZ	Batch ID: 45255	SOP 3062	Analysis Date: 6/3/2008	SeqNo: 1966065							
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-45255	SampType: LCS	Units: mg/L	Prep Date: 6/2/2008	RunNo: 108882							
Client ID: ZZZZZZ	Batch ID: 45255	SOP 3062	Analysis Date: 6/3/2008	SeqNo: 1966066							
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: 08051056-001CMS	SampType: MS	Units: mg/L	Prep Date: 6/2/2008	RunNo: 108882							
Client ID: Waste WaterMS	Batch ID: 45255	SOP 3062	Analysis Date: 6/3/2008	SeqNo: 1966074							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.00478 0.00020 0.005000 0.0001000 93.6 75 125

Sample ID: 08051056-001CMSD	SampType: MSD	Units: mg/L	Prep Date: 6/2/2008	RunNo: 108882							
Client ID: Waste WaterMSD	Batch ID: 45255	SOP 3062	Analysis Date: 6/3/2008	SeqNo: 1966075							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.00521 0.00020 0.005000 0.0001000 102.2 75 125 0.004780 8.61 15

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: MB-45188	SampType: MBLK	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108701							
Client ID: ZZZZZZ	Batch ID: 45188	SW3510C	Analysis Date: 5/29/2008	SeqNo: 1962685							
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	0.00347		0.005000		69.4	45.7	108				
Surr: Nitrobenzene-d5	0.00340		0.005000		68.0	39.4	112				
Surr: p-Terphenyl-d14	0.00370		0.005000		74.0	58.6	130				

Sample ID: LCS-45188	SampType: LCS	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108701							
Client ID: ZZZZZZ	Batch ID: 45188	SW3510C	Analysis Date: 5/29/2008	SeqNo: 1962686							
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	68.4	50.1	103				
Acenaphthylene	0.00451	0.00010	0.005000	0	90.2	53.3	122				
Anthracene	0.00369	0.00010	0.005000	0	73.9	57.4	110				
Benzo(a)anthracene	0.00361	0.00010	0.005000	0	72.2	56	102				
Benzo(a)pyrene	0.00398	0.00010	0.005000	0	79.6	55.4	125				
Benzo(b)fluoranthene	0.00391	0.00010	0.005000	0	78.1	59.3	127				

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: LCS-45188	SampType: LCS	Units: mg/L				Prep Date: 5/29/2008	RunNo: 108701				
Client ID: ZZZZZZ	Batch ID: 45188	SW3510C				Analysis Date: 5/29/2008	SeqNo: 1962686				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	0.00416	0.00010	0.005000	0	83.1	58.4	125				
Benzo(k)fluoranthene	0.00395	0.00010	0.005000	0	78.9	61.5	125				
Chrysene	0.00389	0.00010	0.005000	0	77.8	58.7	118				
Dibenzo(a,h)anthracene	0.00413	0.00010	0.005000	0	82.7	59.3	126				
Fluoranthene	0.00355	0.00010	0.005000	0	71.0	60.1	117				
Fluorene	0.00369	0.00010	0.005000	0	73.8	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00408	0.00010	0.005000	0	81.6	58.1	123				
Naphthalene	0.00282	0.00010	0.005000	0	56.3	36.3	97.1				
Phenanthrene	0.00372	0.00010	0.005000	0	74.3	55.9	107				
Pyrene	0.00372	0.00010	0.005000	0	74.4	61.4	116				
Surr: 2-Fluorobiphenyl	0.00336		0.005000		67.2	41.9	97.9				
Surr: Nitrobenzene-d5	0.00344		0.005000		68.8	39.9	106				
Surr: p-Terphenyl-d14	0.00373		0.005000		74.6	53	116				

Sample ID: LCSD-45188	SampType: LCSD	Units: mg/L				Prep Date: 5/29/2008	RunNo: 108701				
Client ID: ZZZZZZ	Batch ID: 45188	SW3510C				Analysis Date: 5/29/2008	SeqNo: 1962687				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00331	0.00010	0.005000	0	66.2	50.1	103	0.003420	3.30	50	
Acenaphthylene	0.00441	0.00010	0.005000	0	88.3	53.3	122	0.004509	2.13	50	
Anthracene	0.00358	0.00010	0.005000	0	71.7	57.4	110	0.003693	3.00	50	
Benzo(a)anthracene	0.00342	0.00010	0.005000	0	68.3	56	102	0.003610	5.49	50	
Benzo(a)pyrene	0.00378	0.00010	0.005000	0	75.6	55.4	125	0.003981	5.15	50	
Benzo(b)fluoranthene	0.00369	0.00010	0.005000	0	73.8	59.3	127	0.003906	5.71	50	
Benzo(g,h,i)perylene	0.00396	0.00010	0.005000	0	79.3	58.4	125	0.004157	4.75	50	
Benzo(k)fluoranthene	0.00372	0.00010	0.005000	0	74.5	61.5	125	0.003947	5.81	50	
Chrysene	0.00372	0.00010	0.005000	0	74.4	58.7	118	0.003888	4.42	50	
Dibenzo(a,h)anthracene	0.00389	0.00010	0.005000	0	77.9	59.3	126	0.004133	5.98	50	
Fluoranthene	0.00345	0.00010	0.005000	0	68.9	60.1	117	0.003549	2.97	50	
Fluorene	0.00358	0.00010	0.005000	0	71.7	54.1	110	0.003689	2.89	50	
Indeno(1,2,3-cd)pyrene	0.00386	0.00010	0.005000	0	77.2	58.1	123	0.004080	5.52	50	

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: LCSD-45188	SampType: LCSD	Units: mg/L	Prep Date: 5/29/2008	RunNo: 108701							
Client ID: ZZZZZZ	Batch ID: 45188	SW3510C	Analysis Date: 5/29/2008	SeqNo: 1962687							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.00290	0.00010	0.005000	0	57.9	36.3	97.1	0.002816	2.80	50	
Phenanthrene	0.00361	0.00010	0.005000	0	72.2	55.9	107	0.003716	2.89	50	
Pyrene	0.00348	0.00010	0.005000	0	69.7	61.4	116	0.003718	6.47	50	
Surr: 2-Fluorobiphenyl	0.00311		0.005000		62.2	41.9	97.9		0	50	
Surr: Nitrobenzene-d5	0.00365		0.005000		73.0	39.9	106		0	50	
Surr: p-Terphenyl-d14	0.00341		0.005000		68.2	53	116		0	50	

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: LCS-T080530-2	SampType: LCS	Units: µg/L	Prep Date: 5/31/2008	RunNo: 108826							
Client ID: ZZZZZZ	Batch ID: 45261	SW5030	Analysis Date: 5/31/2008	SeqNo: 1964915							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	57.6	2.0	50.00	0	115.2	82.7	117				
Toluene	51.4	5.0	50.00	0	102.9	79.6	116				
Ethylbenzene	55.7	5.0	50.00	0	111.4	83	113				
Xylenes, Total	110	5.0	100.0	0	110.2	80.3	120				
Surr: 1,2-Dichloroethane-d4	40.9		50.00		81.9	74.7	129				
Surr: 4-Bromofluorobenzene	48.0		50.00		96.0	86	119				
Surr: Dibromofluoromethane	46.6		50.00		93.1	81.7	123				
Surr: Toluene-d8	46.1		50.00		92.2	84.3	114				

Sample ID: LCSD-T080530-2	SampType: LCSD	Units: µg/L	Prep Date: 5/31/2008	RunNo: 108826							
Client ID: ZZZZZZ	Batch ID: 45261	SW5030	Analysis Date: 5/31/2008	SeqNo: 1964916							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	55.0	2.0	50.00	0	110.0	82.7	117	57.58	4.58	20	
Toluene	49.3	5.0	50.00	0	98.7	79.6	116	51.45	4.19	20	
Ethylbenzene	52.6	5.0	50.00	0	105.2	83	113	55.68	5.65	20	
Xylenes, Total	105	5.0	100.0	0	105.4	80.3	120	110.2	4.43	0	
Surr: 1,2-Dichloroethane-d4	40.2		50.00		80.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	46.1		50.00		92.2	86	119		0	0	
Surr: Dibromofluoromethane	46.2		50.00		92.5	81.7	123		0	0	
Surr: Toluene-d8	45.6		50.00		91.3	84.3	114		0	0	

Sample ID: MBLK-T080530-2	SampType: MBLK	Units: µg/L	Prep Date: 5/31/2008	RunNo: 108826							
Client ID: ZZZZZZ	Batch ID: 45261	SW5030	Analysis Date: 5/31/2008	SeqNo: 1964917							
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: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: MBLK-T080530-2	SampType: MBLK	Units: µg/L	Prep Date: 5/31/2008	RunNo: 108826							
Client ID: ZZZZZZ	Batch ID: 45261	SW5030	Analysis Date: 5/31/2008	SeqNo: 1964917							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichloroethane-d4	38.8		50.00		77.6	74.7	129				
Surr: 4-Bromofluorobenzene	46.7		50.00		93.3	86	119				
Surr: Dibromofluoromethane	45.2		50.00		90.4	81.7	123				
Surr: Toluene-d8	46.8		50.00		93.6	84.3	114				

Sample ID: LCS-N080602-1	SampType: LCS	Units: µg/L	Prep Date: 6/2/2008	RunNo: 108841							
Client ID: ZZZZZZ	Batch ID: 45266	SW5030	Analysis Date: 6/2/2008	SeqNo: 1965149							
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	82.7	117				
Toluene	46.8	5.0	50.00	0	93.6	79.6	116				
Ethylbenzene	47.8	5.0	50.00	0	95.6	83	113				
Xylenes, Total	94.6	5.0	100.0	0	94.6	80.3	120				
Surr: 1,2-Dichloroethane-d4	50.0		50.00		99.9	74.7	129				
Surr: 4-Bromofluorobenzene	50.6		50.00		101.2	86	119				
Surr: Dibromofluoromethane	50.2		50.00		100.3	81.7	123				
Surr: Toluene-d8	50.1		50.00		100.1	84.3	114				

Sample ID: LCSD-N080602-1	SampType: LCSD	Units: µg/L	Prep Date: 6/2/2008	RunNo: 108841							
Client ID: ZZZZZZ	Batch ID: 45266	SW5030	Analysis Date: 6/2/2008	SeqNo: 1965150							
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	47.84	5.04	20	
Toluene	45.6	5.0	50.00	0	91.2	79.6	116	46.79	2.58	20	
Ethylbenzene	45.7	5.0	50.00	0	91.5	83	113	47.80	4.43	20	
Xylenes, Total	90.6	5.0	100.0	0	90.6	80.3	120	94.56	4.24	0	
Surr: 1,2-Dichloroethane-d4	48.1		50.00		96.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.0		50.00		101.9	86	119		0	0	
Surr: Dibromofluoromethane	50.5		50.00		101.0	81.7	123		0	0	
Surr: Toluene-d8	50.1		50.00		100.3	84.3	114		0	0	

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: MBLK-N080602-1	SampType: MBLK	Units: µg/L	Prep Date: 6/2/2008	RunNo: 108841							
Client ID: ZZZZZZ	Batch ID: 45266	SW5030	Analysis Date: 6/2/2008	SeqNo: 1965151							
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	51.7		50.00		103.4	74.7	129				
Surr: 4-Bromofluorobenzene	52.7		50.00		105.3	86	119				
Surr: Dibromofluoromethane	51.2		50.00		102.3	81.7	123				
Surr: Toluene-d8	49.9		50.00		99.9	84.3	114				

Sample ID: 08051056-001EMS	SampType: MS	Units: µg/L	Prep Date: 6/2/2008	RunNo: 108841							
Client ID: Waste WaterMS	Batch ID: 45266	SW5030	Analysis Date: 6/2/2008	SeqNo: 1966353							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.9	2.0	44.00	5.160	81.3	57.8	125				
Toluene	38.1	5.0	44.00	1.450	83.3	75.8	123				
Ethylbenzene	38.7	5.0	44.00	2.080	83.3	72.8	123				
Xylenes, Total	71.4	5.0	88.00	2.780	78.0	73	127				
Surr: 1,2-Dichloroethane-d4	51.6		50.00		103.2	74.7	129				
Surr: 4-Bromofluorobenzene	50.7		50.00		101.5	86	119				
Surr: Dibromofluoromethane	51.4		50.00		102.9	81.7	123				
Surr: Toluene-d8	49.5		50.00		98.9	84.3	114				

Sample ID: 08051056-001EMSD	SampType: MSD	Units: µg/L	Prep Date: 6/2/2008	RunNo: 108841							
Client ID: Waste WaterMSD	Batch ID: 45266	SW5030	Analysis Date: 6/2/2008	SeqNo: 1966354							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.5	2.0	44.00	5.160	78.1	57.8	125	40.92	3.46	20	
Toluene	39.5	5.0	44.00	1.450	86.4	75.8	123	38.09	3.53	20	
Ethylbenzene	40.1	5.0	44.00	2.080	86.3	72.8	123	38.72	3.40	20	
Xylenes, Total	77.7	5.0	88.00	2.780	85.1	73	127	71.44	8.37	20	

Client: Philip Environmental

Project: Ameren Champaign

Lab Order: 08051056

Report Date: 04-Jun-08

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: 08051056-001EMSD	SampType: MSD	Units: µg/L	Prep Date: 6/2/2008	RunNo: 108841							
Client ID: Waste WaterMSD	Batch ID: 45266	SW5030	Analysis Date: 6/2/2008	SeqNo: 1966354							
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		100.8	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.3		50.00		100.6	86	119		0	0	
Surr: Dibromofluoromethane	50.3		50.00		100.5	81.7	123		0	0	
Surr: Toluene-d8	50.4		50.00		100.9	84.3	114		0	0	

ENVIRONMENTAL TESTING LABORATORY

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


Client: Philip Environmental
Project: Ameren Champaign

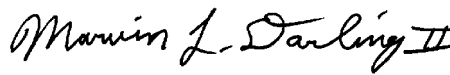
RECEIVING CHECK LIST

Lab Order: 08051056
Report Date: 04-Jun-08

Carrier: John Linnemann

Received By: BMP

Completed by: 
On: 29-May-08
Erin Clarke

Reviewed by: 
On: 30-May-08
Marvin L. Darling

Pages to follow: Chain of custody Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 13.0
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input checked="" type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

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

Additional nitric acid was needed upon arrival at the laboratory. EDC 5/29/08

