TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

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

July 16, 2008

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

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08070355

Dear Derek Ingram:

TEKLAB, INC received 3 samples on 7/10/2008 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,

Heather A. White

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

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355
Report Date: 16-Jul-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08070355-001	UMW 305	4	7/10/2008 11:16:00 AM
08070355-002	UMW 306	4	7/10/2008 12:11:00 PM
08070355-003	UMW 307	4	7/10/2008 12:57:00 PM

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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Client: Philip Environmental

CASE NARRATIVE

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

LabOrder: 08070355

Report Date: 16-Jul-08

Cooler Receipt Temp: 9.2 °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
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	

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-001
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 305
Collection Date: 7/10/2008 11:16:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0.007		**< 0.007**	mg/L	1	7/15/2008 1:45:49 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0.0100		**< 0.0100**	mg/L	1	7/14/2008 9:48:37 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0.0030	J	**0.0016**	mg/L	1	7/14/2008 10:18:36 AM	JMW
Lead	7421	NELAP	0.0020		**< 0.0020**	mg/L	1	7/15/2008 1:43:20 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Acenaphthylene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Benzo(a)anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Benzo(a)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Benzo(b)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Benzo(k)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0.00200		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Chrysene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Diethyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Dimethyl phthalate		NELAP	0.00100	J	**0.00062**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Di-n-butyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Fluorene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
m,p-Cresol		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Naphthalene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
o-Cresol		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Phenanthrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Total PNAs except Naphthalene			0.00013		**ND**	mg/L	1	7/11/2008 5:13:00 PM	TDN
Surr: 2-Fluorobiphenyl			41.1-108		**82.0**	%REC	1	7/11/2008 5:13:00 PM	TDN
Surr: 2-Fluorophenol			16.8-65.9		**55.5**	%REC	1	7/11/2008 5:13:00 PM	TDN
Surr: Nitrobenzene-d5			37.6-105		**76.2**	%REC	1	7/11/2008 5:13:00 PM	TDN
Surr: Phenol-d5			11-42.8		**35.6**	%REC	1	7/11/2008 5:13:00 PM	TDN
Surr: p-Terphenyl-d14			49-113		**79.4**	%REC	1	7/11/2008 5:13:00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2.0		**ND**	µg/L	1	7/11/2008 6:58:00 AM	TAL
Ethylbenzene		NELAP	5.0		**ND**	µg/L	1	7/11/2008 6:58:00 AM	TAL

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-001
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 305
Collection Date: 7/10/2008 11:16:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		**ND**	µg/L	1	7/11/2008 6:58:00 AM	TAL
Xylenes, Total	NELAP	5.0		**ND**	µg/L	1	7/11/2008 6:58:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		**109.1**	%REC	1	7/11/2008 6:58:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		**102.0**	%REC	1	7/11/2008 6:58:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		**105.5**	%REC	1	7/11/2008 6:58:00 AM	TAL
Surr: Toluene-d8		84.3-114		**94.7**	%REC	1	7/11/2008 6:58:00 AM	TAL

Sample Narrative

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-002
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 306
Collection Date: 7/10/2008 12:11:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0.007		**0.010**	mg/L	1	7/15/2008 1:54:49 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0.0100		**< 0.0100**	mg/L	1	7/14/2008 9:50:19 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0.0030	J	**0.0018**	mg/L	1	7/14/2008 10:35:34 AM	JMW
Lead	7421	NELAP	0.0020		**< 0.0020**	mg/L	1	7/14/2008 11:08:16 AM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Acenaphthylene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Benzo(a)anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Benzo(a)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Benzo(b)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Benzo(k)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0.00200		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Chrysene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Diethyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Dimethyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Di-n-butyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Fluorene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
m,p-Cresol		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Naphthalene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
o-Cresol		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Phenanthrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Total PNAs except Naphthalene			0.00013		**ND**	mg/L	1	7/11/2008 6:24:00 PM	TDN
Surr: 2-Fluorobiphenyl			41.1-108		**79.8**	%REC	1	7/11/2008 6:24:00 PM	TDN
Surr: 2-Fluorophenol			16.8-65.9		**53.0**	%REC	1	7/11/2008 6:24:00 PM	TDN
Surr: Nitrobenzene-d5			37.6-105		**74.6**	%REC	1	7/11/2008 6:24:00 PM	TDN
Surr: Phenol-d5			11-42.8		**34.3**	%REC	1	7/11/2008 6:24:00 PM	TDN
Surr: p-Terphenyl-d14			49-113		**76.2**	%REC	1	7/11/2008 6:24:00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2.0		**ND**	µg/L	1	7/11/2008 7:29:00 AM	TAL
Ethylbenzene		NELAP	5.0		**ND**	µg/L	1	7/11/2008 7:29:00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-002
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 306
Collection Date: 7/10/2008 12:11:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		**ND**	µg/L	1	7/11/2008 7:29:00 AM	TAL
Xylenes, Total	NELAP	5.0		**ND**	µg/L	1	7/11/2008 7:29:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		**109.0**	%REC	1	7/11/2008 7:29:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		**100.6**	%REC	1	7/11/2008 7:29:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		**104.4**	%REC	1	7/11/2008 7:29:00 AM	TAL
Surr: Toluene-d8		84.3-114		**94.6**	%REC	1	7/11/2008 7:29:00 AM	TAL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-003
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 307
Collection Date: 7/10/2008 12:57:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0.007		**0.016**	mg/L	1	7/15/2008 1:59:06 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0.0100		**< 0.0100**	mg/L	1	7/14/2008 9:55:27 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0.0030	J	**0.0030**	mg/L	1	7/14/2008 10:38:58 AM	JMW
Lead	7421	NELAP	0.0020	J	**0.0011**	mg/L	1	7/14/2008 12:32:54 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Acenaphthylene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Benzo(a)anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Benzo(a)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Benzo(b)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Benzo(k)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0.00200		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Chrysene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Diethyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Dimethyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Di-n-butyl phthalate		NELAP	0.00100		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Fluorene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
m,p-Cresol		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Naphthalene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
o-Cresol		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Phenanthrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Total PNAs except Naphthalene			0.00013		**ND**	mg/L	1	7/11/2008 7:00:00 PM	TDN
Surr: 2-Fluorobiphenyl			41.1-108		**77.8**	%REC	1	7/11/2008 7:00:00 PM	TDN
Surr: 2-Fluorophenol			16.8-65.9		**53.8**	%REC	1	7/11/2008 7:00:00 PM	TDN
Surr: Nitrobenzene-d5			37.6-105		**74.2**	%REC	1	7/11/2008 7:00:00 PM	TDN
Surr: Phenol-d5			11-42.8		**34.6**	%REC	1	7/11/2008 7:00:00 PM	TDN
Surr: p-Terphenyl-d14			49-113		**67.4**	%REC	1	7/11/2008 7:00:00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2.0		**ND**	µg/L	1	7/11/2008 7:59:00 AM	TAL
Ethylbenzene		NELAP	5.0		**ND**	µg/L	1	7/11/2008 7:59:00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-003
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 307
Collection Date: 7/10/2008 12:57:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		**ND**	µg/L	1	7/11/2008 7:59:00 AM	TAL
Xylenes, Total	NELAP	5.0		**ND**	µg/L	1	7/11/2008 7:59:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		**109.3**	%REC	1	7/11/2008 7:59:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		**99.8**	%REC	1	7/11/2008 7:59:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		**105.4**	%REC	1	7/11/2008 7:59:00 AM	TAL
Surr: Toluene-d8		84.3-114		**95.6**	%REC	1	7/11/2008 7:59:00 AM	TAL

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

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

DATES REPORT

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355
Report Date: 16-Jul-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08070355-001A	UMW 305	7/10/2008	Groundwater	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-001B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/15/2008
08070355-001C				SW-846 9012A (Total) Modified		7/15/2008
08070355-001D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-002A	UMW 306			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-002B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
08070355-002C				SW-846 9012A (Total) Modified		7/15/2008
08070355-002D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-003A	UMW 307			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-003B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
08070355-003C				SW-846 9012A (Total) Modified		7/15/2008
08070355-003D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008

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: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCN_S_AT_9012A

Sample ID: **MBLK**	SampType: **MBLK**	Units: **mg/L**	Prep Date:	RunNo: **110617**
Client ID: **ZZZZZZ**	Batch ID: **R110617**		Analysis Date: **7/15/2008**	SeqNo: **2003744**

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: **110617**
Client ID: **ZZZZZZ**	Batch ID: **R110617**		Analysis Date: **7/15/2008**	SeqNo: **2003746**

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	99.8	85	115				

Sample ID: **LCSQC**	SampType: **LCSQC**	Units: **mg/L**	Prep Date:	RunNo: **110617**
Client ID: **ZZZZZZ**	Batch ID: **R110617**		Analysis Date: **7/15/2008**	SeqNo: **2003747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.084	0.007	0.1000	0	83.8	62	111				

Sample ID: **08070355-003C MS**	SampType: **MS**	Units: **mg/L**	Prep Date:	RunNo: **110617**
Client ID: **UMW 307MS**	Batch ID: **R110617**		Analysis Date: **7/15/2008**	SeqNo: **2003760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.116	0.007	0.1000	0.01615	99.9	75	125				

Sample ID: **08070355-003C MSD**	SampType: **MSD**	Units: **mg/L**	Prep Date:	RunNo: **110617**
Client ID: **UMW 307MSD**	Batch ID: **R110617**		Analysis Date: **7/15/2008**	SeqNo: **2003761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.115	0.007	0.1000	0.01615	98.5	75	125	0.1161	1.27	15	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: **MB-46153**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110497**
Client ID: **ZZZZZZ**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2000167**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	< 0.0030	0.0030	0.003000	0	0	-100	100				

Sample ID: **LCS-46153**	SampType: **LCS**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110497**
Client ID: **ZZZZZZ**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2000168**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0136	0.0030	0.01500	0	90.6	80	120				

Sample ID: **08070355-001BMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110497**
Client ID: **UMW 305MS**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2000170**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0166	0.0030	0.01500	0.001647	100	70	130				

Sample ID: **08070355-001BMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110497**
Client ID: **UMW 305MSD**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2000171**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0168	0.0030	0.01500	0.001647	101.3	70	130	0.01665	1.13	20	

Sample ID: **MB-46153**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110530**
Client ID: **ZZZZZZ**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2001052**

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-46153**	SampType: **LCS**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110530**
Client ID: **ZZZZZZ**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2001054**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: **LCS-46153**	SampType: **LCS**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110530**
Client ID: **ZZZZZZ**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/14/2008**	SeqNo: **2001054**

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	100.9	80	120				

Sample ID: **08070355-001BMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110586**
Client ID: **UMW 305MS**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/15/2008**	SeqNo: **2002954**

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	70	130				

Sample ID: **08070355-001BMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110586**
Client ID: **UMW 305MSD**	Batch ID: **46153**	**SOP 3044**	Analysis Date: **7/15/2008**	SeqNo: **2002955**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0189	0.0020	0.01500	0	125.8	70	130	0.01696	10.6	20	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: **MB-46158**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **7/11/2008**			RunNo: **110486**		
Client ID: **ZZZZZZ**	Batch ID: **46158**			**SOP 3034**		Analysis Date: **7/14/2008**			SeqNo: **1999839**		
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-46158**	SampType: **LCS**			Units: **mg/L**		Prep Date: **7/11/2008**			RunNo: **110486**		
Client ID: **ZZZZZZ**	Batch ID: **46158**			**SOP 3034**		Analysis Date: **7/14/2008**			SeqNo: **1999840**		
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				

Sample ID: **08070355-002BMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **7/11/2008**			RunNo: **110486**		
Client ID: **UMW 306MS**	Batch ID: **46158**			**SOP 3034**		Analysis Date: **7/14/2008**			SeqNo: **1999845**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.191	0.0100	0.2000	0	95.7	75	125				

Sample ID: **08070355-002BMSD**	SampType: **MSD**			Units: **mg/L**		Prep Date: **7/11/2008**			RunNo: **110486**		
Client ID: **UMW 306MSD**	Batch ID: **46158**			**SOP 3034**		Analysis Date: **7/14/2008**			SeqNo: **1999846**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.194	0.0100	0.2000	0	97.0	75	125	0.1913	1.45	20	

Sample ID: **MB-46158**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **7/11/2008**			RunNo: **110481**		
Client ID: **ZZZZZZ**	Batch ID: **46158**			**SOP 3034**		Analysis Date: **7/14/2008**			SeqNo: **2000840**		
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-46158**	SampType: **LCS**			Units: **mg/L**		Prep Date: **7/11/2008**			RunNo: **110481**		
Client ID: **ZZZZZZ**	Batch ID: **46158**			**SOP 3034**		Analysis Date: **7/14/2008**			SeqNo: **2000841**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: **LCS-46158**	SampType: **LCS**	Units: **mg/L**	Prep Date: **7/11/2008**	RunNo: **110481**
Client ID: **ZZZZZZ**	Batch ID: **46158**	**SOP 3034**	Analysis Date: **7/14/2008**	SeqNo: **2000841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.201	0.0100	0.2000	0	100.5	85	115				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: **MB-46138**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **7/10/2008**	RunNo: **110475**
Client ID: **ZZZZZZ**	Batch ID: **46138**	**SW3510C**	Analysis Date: **7/11/2008**	SeqNo: **1999590**

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	0.00428		0.005000		85.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00532		0.01000		53.2	16.1	79.2				
Surr: Nitrobenzene-d5	0.00406		0.005000		81.2	39.9	106				
Surr: Phenol-d5	0.00305		0.01000		30.5	9.94	53.7				
Surr: p-Terphenyl-d14	0.00443		0.005000		88.6	53	116				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: **LCS-46138**	SampType: **LCS**	Units: **mg/L**	Prep Date: **7/10/2008**	RunNo: **110475**	
Client ID: **ZZZZZZ**	Batch ID: **46138**	**SW3510C**	Analysis Date: **7/11/2008**	SeqNo: **1999591**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00377	0.00010	0.005000	0	75.5	50.1	103				
Acenaphthylene	0.00485	0.00010	0.005000	0	96.9	53.3	122				
Anthracene	0.00420	0.00010	0.005000	0	84.0	57.4	110				
Benzo(a)anthracene	0.00387	0.00010	0.005000	0	77.5	56	102				
Benzo(a)pyrene	0.00432	0.00010	0.005000	0	86.4	55.4	125				
Benzo(b)fluoranthene	0.00423	0.00010	0.005000	0	84.5	59.3	127				
Benzo(g,h,i)perylene	0.00409	0.00010	0.005000	0	81.9	58.4	125				
Benzo(k)fluoranthene	0.00427	0.00010	0.005000	0	85.3	61.5	125				
Bis(2-ethylhexyl)phthalate	0.00445	0.00200	0.005000	0	89.0	63.2	152				
Chrysene	0.00425	0.00010	0.005000	0	85.0	58.7	118				
Dibenzo(a,h)anthracene	0.00412	0.00010	0.005000	0	82.4	59.3	126				
Diethyl phthalate	0.00446	0.00100	0.005000	0	89.3	55.3	133				
Dimethyl phthalate	0.00449	0.00100	0.005000	0	89.8	55.7	112				
Di-n-butyl phthalate	0.00483	0.00100	0.005000	0	96.6	61.5	130				
Fluoranthene	0.00417	0.00010	0.005000	0	83.3	60.1	117				
Fluorene	0.00392	0.00010	0.005000	0	78.5	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00411	0.00010	0.005000	0	82.3	58.1	123				
m,p-Cresol	0.00261	0.00010	0.005000	0	52.2	17.9	107				
Naphthalene	0.00338	0.00010	0.005000	0	67.6	36.3	97.1				
o-Cresol	0.00318	0.00010	0.005000	0	63.7	20.5	109				
Phenanthrene	0.00392	0.00010	0.005000	0	78.5	55.9	107				
Pyrene	0.00426	0.00010	0.005000	0	85.2	61.4	116				
Surr: 2-Fluorobiphenyl	0.00438		0.005000		87.6	41.9	97.9				
Surr: 2-Fluorophenol	0.00507		0.01000		50.7	16.1	79.2				
Surr: Nitrobenzene-d5	0.00392		0.005000		78.4	39.9	106				
Surr: Phenol-d5	0.00310		0.01000		31.0	9.94	53.7				
Surr: p-Terphenyl-d14	0.00430		0.005000		86.0	53	116				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: **LCSD-46138**	SampType: **LCSD**	Units: **mg/L**	Prep Date: **7/10/2008**	RunNo: **110475**	
Client ID: **ZZZZZZ**	Batch ID: **46138**	**SW3510C**	Analysis Date: **7/11/2008**	SeqNo: **1999592**	

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	0.003774	5.11	50	
Acenaphthylene	0.00529	0.00010	0.005000	0	105.8	53.3	122	0.004845	8.80	50	
Anthracene	0.00436	0.00010	0.005000	0	87.3	57.4	110	0.004202	3.81	50	
Benzo(a)anthracene	0.00386	0.00010	0.005000	0	77.1	56	102	0.003873	0.414	50	
Benzo(a)pyrene	0.00442	0.00010	0.005000	0	88.4	55.4	125	0.004318	2.36	50	
Benzo(b)fluoranthene	0.00432	0.00010	0.005000	0	86.4	59.3	127	0.004226	2.22	50	
Benzo(g,h,i)perylene	0.00422	0.00010	0.005000	0	84.4	58.4	125	0.004093	3.10	50	
Benzo(k)fluoranthene	0.00439	0.00010	0.005000	0	87.8	61.5	125	0.004266	2.91	50	
Bis(2-ethylhexyl)phthalate	0.00460	0.00200	0.005000	0	92.0	63.2	152	0.004450	3.36	50	
Chrysene	0.00435	0.00010	0.005000	0	87.0	58.7	118	0.004250	2.28	50	
Dibenzo(a,h)anthracene	0.00423	0.00010	0.005000	0	84.6	59.3	126	0.004122	2.63	50	
Diethyl phthalate	0.00475	0.00100	0.005000	0	95.1	55.3	133	0.004465	6.27	0	
Dimethyl phthalate	0.00442	0.00100	0.005000	0	88.5	55.7	112	0.004492	1.55	0	
Di-n-butyl phthalate	0.00508	0.00100	0.005000	0	101.5	61.5	130	0.004831	4.97	50	
Fluoranthene	0.00422	0.00010	0.005000	0	84.4	60.1	117	0.004166	1.26	50	
Fluorene	0.00427	0.00010	0.005000	0	85.5	54.1	110	0.003924	8.52	50	
Indeno(1,2,3-cd)pyrene	0.00424	0.00010	0.005000	0	84.8	58.1	123	0.004114	3.06	50	
m,p-Cresol	0.00261	0.00010	0.005000	0	52.2	17.9	107	0.002610	0	50	
Naphthalene	0.00348	0.00010	0.005000	0	69.5	36.3	97.1	0.003378	2.89	50	
o-Cresol	0.00323	0.00010	0.005000	0	64.6	20.5	109	0.003183	1.53	50	
Phenanthrene	0.00430	0.00010	0.005000	0	86.1	55.9	107	0.003924	9.24	50	
Pyrene	0.00439	0.00010	0.005000	0	87.7	61.4	116	0.004261	2.89	50	
Surr: 2-Fluorobiphenyl	0.00428		0.005000		85.6	41.9	97.9		0	50	
Surr: 2-Fluorophenol	0.00509		0.01000		50.9	16.1	79.2		0	50	
Surr: Nitrobenzene-d5	0.00406		0.005000		81.2	39.9	106		0	50	
Surr: Phenol-d5	0.00307		0.01000		30.7	9.94	53.7		0	50	
Surr: p-Terphenyl-d14	0.00452		0.005000		90.4	53	116		0	50	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: **LCS-R080710-2**	SampType: **LCS**	Units: **µg/L**	Prep Date: **7/10/2008**	RunNo: **110452**
Client ID: **ZZZZZZ**	Batch ID: **46163**	**SW5030**	Analysis Date: **7/11/2008**	SeqNo: **1998976**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.3	2.0	50.00	0	104.7	82.7	117				
Toluene	48.3	5.0	50.00	0	96.6	79.6	116				
Ethylbenzene	47.9	5.0	50.00	0	95.7	83	113				
Xylenes, Total	95.7	5.0	100.0	0	95.7	80.3	120				
Surr: 1,2-Dichloroethane-d4	53.5		50.00		107.1	74.7	129				
Surr: 4-Bromofluorobenzene	49.6		50.00		99.1	86	119				
Surr: Dibromofluoromethane	52.3		50.00		104.6	81.7	123				
Surr: Toluene-d8	47.1		50.00		94.2	84.3	114				

Sample ID: **LCSD-R080710-2**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **7/10/2008**	RunNo: **110452**
Client ID: **ZZZZZZ**	Batch ID: **46163**	**SW5030**	Analysis Date: **7/11/2008**	SeqNo: **1998977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.8	2.0	50.00	0	101.6	82.7	117	52.33	3.01	20	
Toluene	46.5	5.0	50.00	0	93.0	79.6	116	48.28	3.78	20	
Ethylbenzene	46.1	5.0	50.00	0	92.1	83	113	47.87	3.83	20	
Xylenes, Total	93.3	5.0	100.0	0	93.3	80.3	120	95.68	2.56	0	
Surr: 1,2-Dichloroethane-d4	54.0		50.00		107.9	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.0		50.00		100	86	119		0	0	
Surr: Dibromofluoromethane	52.2		50.00		104.5	81.7	123		0	0	
Surr: Toluene-d8	47.2		50.00		94.5	84.3	114		0	0	

Sample ID: **MBLK-R080710-2**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **7/10/2008**	RunNo: **110452**
Client ID: **ZZZZZZ**	Batch ID: **46163**	**SW5030**	Analysis Date: **7/11/2008**	SeqNo: **1998978**

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: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355 **Report Date:** *16-Jul-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: **MBLK-R080710-2**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **7/10/2008**	RunNo: **110452**
Client ID: **ZZZZZZ**	Batch ID: **46163**	**SW5030**	Analysis Date: **7/11/2008**	SeqNo: **1998978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.6		50.00		107.2	74.7	129				
Surr: 4-Bromofluorobenzene	50.3		50.00		100.7	86	119				
Surr: Dibromofluoromethane	52.8		50.00		105.7	81.7	123				
Surr: Toluene-d8	47.5		50.00		95.1	84.3	114				

Sample ID: **08070355-003DMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **7/10/2008**	RunNo: **110452**
Client ID: **UMW 307MS**	Batch ID: **46163**	**SW5030**	Analysis Date: **7/11/2008**	SeqNo: **1998986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43.8	2.0	55.00	0	79.6	57.8	125				
Toluene	47.6	5.0	55.00	0	86.5	75.8	123				
Ethylbenzene	48.6	5.0	55.00	0	88.3	72.8	123				
Xylenes, Total	95.8	5.0	110.0	0	87.1	73	127				
Surr: 1,2-Dichloroethane-d4	54.5		50.00		109.1	74.7	129				
Surr: 4-Bromofluorobenzene	51.1		50.00		102.2	86	119				
Surr: Dibromofluoromethane	51.9		50.00		103.9	81.7	123				
Surr: Toluene-d8	47.2		50.00		94.5	84.3	114				

Sample ID: **08070355-003DMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **7/10/2008**	RunNo: **110452**
Client ID: **UMW 307MSD**	Batch ID: **46163**	**SW5030**	Analysis Date: **7/11/2008**	SeqNo: **1998987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44.3	2.0	55.00	0	80.5	57.8	125	43.78	1.18	20	
Toluene	47.4	5.0	55.00	0	86.3	75.8	123	47.56	0.232	20	
Ethylbenzene	49.1	5.0	55.00	0	89.2	72.8	123	48.58	1.02	20	
Xylenes, Total	96.1	5.0	110.0	0	87.3	73	127	95.85	0.240	20	
Surr: 1,2-Dichloroethane-d4	54.0		50.00		108.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	50.9		50.00		101.8	86	119		0	0	
Surr: Dibromofluoromethane	52.2		50.00		104.4	81.7	123		0	0	
Surr: Toluene-d8	46.8		50.00		93.6	84.3	114		0	0	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

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

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355
Report Date: 16-Jul-08

Carrier: Rachel Husen

Received By: MLD

Completed by: Marvin L. Darling II
On: 10-Jul-08
Marvin L. Darling

Reviewed by: Elizabeth A. Hurley
On: 11-Jul-08
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 9.2
Custody seals intact on shippping container/cooler?	Yes	☐	No	☐	Not Present	☑	
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑	
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.

Additional nitric acid was needed in UMW 307 upon arrival at the laboratory. MLDII 7/10/08

Chain of Custody Record

08070355

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 08888

Project Name: AmerenIP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): R Huson

Laboratory Name: Teklab
Laboratory Location: Collinsville, IL

Added HNO3 to 307. mw 7/10/08

Laboratory Temperature upon Receipt: 9.2 ICE

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX method 8260	PAH Method 8270 SIM	Total Cyanide method 9010	Chrome, Lead Arsenic method 6020 7000	Comments (Field PID)	Lab ID #'s
UMW 305	7/10	1116		X				5	X	X	X	X		08070355-001
UMW 306	7/10	1211		X				5	X	X	X	X		-002
UMW 307	7/10	1257		X				5	X	X	X	X		-003

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: D. Ingram
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
Rachael Huson	7/10/08	1717

Received by:

Signature	Date	Time
Marwin L. Darling II	7/10/08	1717

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