

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

April 23, 2008

Derek Ingram  
Philip Environmental  
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:** 08040620

Dear Derek Ingram:

TEKLAB, INC received 16 samples on 4/16/2008 10:00:00 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

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FAX: 618-344-1005

**Client:** Philip Environmental**SAMPLE SUMMARY****Project:** A831-735002-012901-225/IP Champaign 62403053**Lab Order:** 08040620**Report Date:** 23-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040620-001	B-837 (0.5 ft-2.0 ft)	4	4/14/2008 9:55:00 AM
08040620-002	B-837 (9 ft-10 ft)	4	4/14/2008 9:55:00 AM
08040620-003	B-837 (12 ft- 13 ft)	4	4/14/2008 10:45:00 AM
08040620-004	B-800 (2 ft-3 ft)	4	4/14/2008 12:15:00 PM
08040620-005	B-800 (9 ft-10 ft)	4	4/14/2008 12:40:00 PM
08040620-006	B-800 (11.5 ft- 12.5 ft)	4	4/14/2008 1:00:00 PM
08040620-007	B-839 (2.0 ft- 3.0 ft)	4	4/14/2008 5:25:00 PM
08040620-008	B-839 (6.0 ft- 7.0 ft)	4	4/14/2008 5:36:00 PM
08040620-009	B-839 (16.0 ft- 17.0 ft)	4	4/14/2008 6:12:00 PM
08040620-010	B-802 (2.0 ft-3.0 ft)	4	4/15/2008 8:50:00 AM
08040620-011	B-802 (8.5 ft-10.0 ft)	4	4/15/2008 9:15:00 AM
08040620-012	B-802 (14.5 ft- 15.5 ft)	4	4/15/2008 9:50:00 AM
08040620-013	B-802 (25 ft- 26 ft)	4	4/15/2008 10:20:00 AM
08040620-014	B-840 (1 ft- 2 ft)	4	4/15/2008 10:50:00 AM
08040620-015	B-840 (7 ft- 8 ft)	4	4/15/2008 11:15:00 AM
08040620-016	B-840 (18 ft-19 ft)	4	4/15/2008 11:45:00 AM

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**Client:** Philip Environmental

## CASE NARRATIVE

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

**LabOrder:** 08040620

**Report Date:** 23-Apr-08

**Cooler Receipt Temp:** 4.4 °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

**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:** 08040620

**Lab ID:** 08040620-001

**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ

**Client Sample ID:** B-837 (0.5 ft-2.0 ft)

**Collection Date:** 4/14/2008 9:55:00 AM

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		19.5	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		80.5	%	1	4/16/2008	TWM
<b><u>SW-846 3050B, 6010B, METALS BY ICP</u></b>								
Arsenic	NELAP	2.50		5.95	mg/Kg-dry	1	4/21/2008 9:51:48 AM	LAL
Chromium	NELAP	1.00		19.0	mg/Kg-dry	1	4/18/2008 7:12:34 PM	CRK
Lead	NELAP	4.00		85.2	mg/Kg-dry	1	4/18/2008 7:12:34 PM	CRK
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.021		ND	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Acenaphthylene	NELAP	0.021		0.137	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Anthracene	NELAP	0.021		0.108	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Benzo(a)anthracene	NELAP	0.021	S	0.664	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Benzo(a)pyrene	NELAP	0.021	S	0.785	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.021	S	0.986	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.021	S	0.509	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.021	S	0.357	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Chrysene	NELAP	0.021	S	0.697	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.021		0.165	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Fluoranthene	NELAP	0.021	S	0.980	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Fluorene	NELAP	0.021	J	0.020	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.021	S	0.484	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Naphthalene	NELAP	0.021		0.059	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Phenanthrene	NELAP	0.021	S	0.343	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Pyrene	NELAP	0.021	S	0.878	mg/Kg-dry	5	4/17/2008 2:19:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		61.9	%REC	5	4/17/2008 2:19:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		56.9	%REC	5	4/17/2008 2:19:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		66.9	%REC	5	4/17/2008 2:19:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	1.1		1.3	µg/Kg-dry	1	4/17/2008 8:48:00 PM	JSA
Ethylbenzene	NELAP	5.4		ND	µg/Kg-dry	1	4/17/2008 8:48:00 PM	JSA
Toluene	NELAP	5.4	J	1.5	µg/Kg-dry	1	4/17/2008 8:48:00 PM	JSA
Xylenes, Total	NELAP	5.4	J	1.1	µg/Kg-dry	1	4/17/2008 8:48:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		91.2	%REC	1	4/17/2008 8:48:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		94.5	%REC	1	4/17/2008 8:48:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		94.1	%REC	1	4/17/2008 8:48:00 PM	JSA
Surr: Toluene-d8		80.1-122		97.7	%REC	1	4/17/2008 8:48:00 PM	JSA
<b><u>SW-846 9010B, 9014</u></b>								
Cyanide	NELAP	0.59	J	0.48	mg/Kg-dry	1	4/18/2008	AET

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## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-837 (0.5 ft-2.0 ft)

**Lab ID:** 08040620-001

**Collection Date:** 4/14/2008 9:55:00 AM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b>SW-846 9014A</b>								
Cyanide, Amenable to Chlorination		0.59		<b>Interference</b>	mg/Kg-dry	1	4/18/2008	AET

### Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Matrix spike did not recover within control limits because of sample composition.

Elevated reporting limit due to high levels of target and/or non-target analytes.

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## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-002  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-837 (9 ft-10 ft)  
**Collection Date:** 4/14/2008 9:55:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		19.2	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		80.8	%	1	4/16/2008	TWM
<b><u>SW-846 3050B, 6010B, METALS BY ICP</u></b>								
Arsenic	NELAP	2.50		6.37	mg/Kg-dry	1	4/21/2008 9:58:33 AM	LAL
Chromium	NELAP	1.00		24.4	mg/Kg-dry	1	4/18/2008 7:16:47 PM	CRK
Lead	NELAP	4.00		17.9	mg/Kg-dry	1	4/18/2008 7:16:47 PM	CRK
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Naphthalene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 2:24:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		54.7	%REC	1	4/17/2008 2:24:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		49.3	%REC	1	4/17/2008 2:24:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		71.1	%REC	1	4/17/2008 2:24:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.8		3.4	µg/Kg-dry	1	4/17/2008 9:19:00 PM	JSA
Ethylbenzene	NELAP	3.9		ND	µg/Kg-dry	1	4/17/2008 9:19:00 PM	JSA
Toluene	NELAP	3.9	J	1.4	µg/Kg-dry	1	4/17/2008 9:19:00 PM	JSA
Xylenes, Total	NELAP	3.9	J	1.1	µg/Kg-dry	1	4/17/2008 9:19:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		86.7	%REC	1	4/17/2008 9:19:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		92.2	%REC	1	4/17/2008 9:19:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		93.5	%REC	1	4/17/2008 9:19:00 PM	JSA
Surr: Toluene-d8		80.1-122		97.3	%REC	1	4/17/2008 9:19:00 PM	JSA
<b><u>SW-846 9010B, 9014</u></b>								
Cyanide	NELAP	0.61		< 0.61	mg/Kg-dry	1	4/18/2008	AET

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-837 (9 ft-10 ft)

**Lab ID:** 08040620-002

**Collection Date:** 4/14/2008 9:55:00 AM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.61		< 0.61	mg/Kg-dry	1	4/18/2008	AET

### [Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004  
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## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-003  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-837 (12 ft- 13 ft)  
**Collection Date:** 4/14/2008 10:45:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		17.4	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		82.6	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Naphthalene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 11:22:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		51.1	%REC	1	4/17/2008 11:22:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		46.5	%REC	1	4/17/2008 11:22:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		67.3	%REC	1	4/17/2008 11:22:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.9		3.3	µg/Kg-dry	1	4/17/2008 9:50:00 PM	JSA
Ethylbenzene	NELAP	4.7	J	1.8	µg/Kg-dry	1	4/17/2008 9:50:00 PM	JSA
Toluene	NELAP	4.7		6.0	µg/Kg-dry	1	4/17/2008 9:50:00 PM	JSA
Xylenes, Total	NELAP	4.7	J	3.6	µg/Kg-dry	1	4/17/2008 9:50:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		66.0	%REC	1	4/17/2008 9:50:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		111.5	%REC	1	4/17/2008 9:50:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		76.7	%REC	1	4/17/2008 9:50:00 PM	JSA
Surr: Toluene-d8		80.1-122		101.3	%REC	1	4/17/2008 9:50:00 PM	JSA

### Sample Narrative



ENVIRONMENTAL TESTING LABORATORY

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## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-004  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-800 (2 ft-3 ft)  
**Collection Date:** 4/14/2008 12:15:00 PM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
FOC (0.58 conversion factor)		0.10		3.55	wt%	1	4/16/2008	TWM
Organic Matter		0.10		6.13	wt%	1	4/16/2008	TWM
Percent Moisture		0.1		20.2	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		79.8	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.107		ND	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Acenaphthylene	NELAP	0.107		1.43	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Anthracene	NELAP	0.107	J	0.10	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Benzo(a)anthracene	NELAP	0.107		1.12	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Benzo(a)pyrene	NELAP	0.107		2.42	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.107		2.50	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.107		1.65	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.107		0.943	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Chrysene	NELAP	0.107		1.19	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.107		0.495	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Fluoranthene	NELAP	0.107		0.876	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Fluorene	NELAP	0.107		ND	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.107		1.43	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Naphthalene	NELAP	0.107		ND	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Phenanthrene	NELAP	0.107		0.206	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Pyrene	NELAP	0.107		1.31	mg/Kg-dry	25	4/17/2008 4:02:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		44.9	%REC	25	4/17/2008 4:02:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		44.9	%REC	25	4/17/2008 4:02:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		64.9	%REC	25	4/17/2008 4:02:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	1.2		2.0	µg/Kg-dry	1	4/17/2008 10:20:00 PM	JSA
Ethylbenzene	NELAP	5.9		ND	µg/Kg-dry	1	4/17/2008 10:20:00 PM	JSA
Toluene	NELAP	5.9		ND	µg/Kg-dry	1	4/17/2008 10:20:00 PM	JSA
Xylenes, Total	NELAP	5.9		ND	µg/Kg-dry	1	4/17/2008 10:20:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		92.4	%REC	1	4/17/2008 10:20:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		78.4	%REC	1	4/17/2008 10:20:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		100.3	%REC	1	4/17/2008 10:20:00 PM	JSA
Surr: Toluene-d8		80.1-122		92.5	%REC	1	4/17/2008 10:20:00 PM	JSA
<b><u>SW-846 9045C</u></b>								
pH (1:1)	NELAP	1.00		7.79		1	4/17/2008 1:52:00 PM	NJK

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-800 (2 ft-3 ft)

**Lab ID:** 08040620-004

**Collection Date:** 4/14/2008 12:15:00 PM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
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### Sample Narrative

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.

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-005  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-800 (9 ft-10 ft)  
**Collection Date:** 4/14/2008 12:40:00 PM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
FOC (0.58 conversion factor)		0.10		<b>0.51</b>	wt%	1	4/16/2008	TWM
Organic Matter		0.10		<b>0.87</b>	wt%	1	4/16/2008	TWM
Percent Moisture		0.1		<b>14.5</b>	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		<b>85.5</b>	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.040		<b>ND</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Acenaphthylene	NELAP	0.040		<b>0.300</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Anthracene	NELAP	0.040		<b>0.304</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Benzo(a)anthracene	NELAP	0.040		<b>2.09</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Benzo(a)pyrene	NELAP	0.040		<b>2.56</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.040		<b>3.03</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.040		<b>1.41</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.040		<b>1.13</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Chrysene	NELAP	0.040		<b>2.17</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.040		<b>0.484</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Fluoranthene	NELAP	0.040		<b>3.14</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Fluorene	NELAP	0.040		<b>0.062</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.040		<b>1.42</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Naphthalene	NELAP	0.040		<b>0.177</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Phenanthrene	NELAP	0.040		<b>1.02</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Pyrene	NELAP	0.040		<b>3.02</b>	mg/Kg-dry	10	4/17/2008 4:36:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		<b>53.9</b>	%REC	10	4/17/2008 4:36:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		<b>49.9</b>	%REC	10	4/17/2008 4:36:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		<b>63.9</b>	%REC	10	4/17/2008 4:36:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.9		<b>1.8</b>	µg/Kg-dry	1	4/17/2008 10:51:00 PM	JSA
Ethylbenzene	NELAP	4.5		<b>ND</b>	µg/Kg-dry	1	4/17/2008 10:51:00 PM	JSA
Toluene	NELAP	4.5	J	<b>3.4</b>	µg/Kg-dry	1	4/17/2008 10:51:00 PM	JSA
Xylenes, Total	NELAP	4.5	J	<b>1.1</b>	µg/Kg-dry	1	4/17/2008 10:51:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		<b>63.4</b>	%REC	1	4/17/2008 10:51:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		<b>100</b>	%REC	1	4/17/2008 10:51:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		<b>66.8</b>	%REC	1	4/17/2008 10:51:00 PM	JSA
Surr: Toluene-d8		80.1-122		<b>101.6</b>	%REC	1	4/17/2008 10:51:00 PM	JSA
<b><u>SW-846 9045C</u></b>								
pH (1:1)	NELAP	1.00		<b>7.86</b>		1	4/17/2008 1:55:00 PM	NJK

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-800 (9 ft-10 ft)

**Lab ID:** 08040620-005

**Collection Date:** 4/14/2008 12:40:00 PM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
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### Sample Narrative

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.

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-006  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-800 (11.5 ft- 12.5 ft)  
**Collection Date:** 4/14/2008 1:00:00 PM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
FOC (0.58 conversion factor)		0.10		0.47	wt%	1	4/16/2008	TWM
Organic Matter		0.10		0.80	wt%	1	4/16/2008	TWM
Percent Moisture		0.1		13.3	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		86.7	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		0.035	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Acenaphthylene	NELAP	0.004		0.085	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Anthracene	NELAP	0.004		0.006	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		0.034	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		0.065	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		0.078	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		0.051	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		0.027	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Chrysene	NELAP	0.004		0.037	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		0.015	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Fluoranthene	NELAP	0.004		0.040	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Fluorene	NELAP	0.004		0.005	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		0.044	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Naphthalene	NELAP	0.004		0.009	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Phenanthrene	NELAP	0.004		0.019	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Pyrene	NELAP	0.004		0.056	mg/Kg-dry	1	4/17/2008 5:10:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		49.3	%REC	1	4/17/2008 5:10:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		44.9	%REC	1	4/17/2008 5:10:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		60.1	%REC	1	4/17/2008 5:10:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.9		3.1	µg/Kg-dry	1	4/17/2008 11:21:00 PM	JSA
Ethylbenzene	NELAP	4.5	J	1.7	µg/Kg-dry	1	4/17/2008 11:21:00 PM	JSA
Toluene	NELAP	4.5		5.8	µg/Kg-dry	1	4/17/2008 11:21:00 PM	JSA
Xylenes, Total	NELAP	4.5		4.5	µg/Kg-dry	1	4/17/2008 11:21:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128	S	59.9	%REC	1	4/17/2008 11:21:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		96.1	%REC	1	4/17/2008 11:21:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		68.6	%REC	1	4/17/2008 11:21:00 PM	JSA
Surr: Toluene-d8		80.1-122		94.9	%REC	1	4/17/2008 11:21:00 PM	JSA
<b><u>SW-846 9045C</u></b>								
pH (1:1)	NELAP	1.00		8.14		1	4/17/2008 2:00:00 PM	NJK

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-800 (11.5 ft- 12.5 ft)

**Lab ID:** 08040620-006

**Collection Date:** 4/14/2008 1:00:00 PM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

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Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
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### Sample Narrative

SW-846 5035, 8260B, 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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-007  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-839 (2.0 ft- 3.0 ft)  
**Collection Date:** 4/14/2008 5:25:00 PM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		21.3	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		78.7	%	1	4/16/2008	TWM
<b><u>SW-846 3050B, 6010B, METALS BY ICP</u></b>								
Arsenic	NELAP	2.50		5.34	mg/Kg-dry	1	4/21/2008 10:18:45 AM	LAL
Chromium	NELAP	1.00		32.2	mg/Kg-dry	1	4/18/2008 7:38:48 PM	CRK
Lead	NELAP	4.00		19.3	mg/Kg-dry	1	4/18/2008 7:38:48 PM	CRK
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		0.005	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		0.006	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Naphthalene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/18/2008 2:37:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		36.9	%REC	1	4/18/2008 2:37:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		43.1	%REC	1	4/18/2008 2:37:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		58.1	%REC	1	4/18/2008 2:37:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	1.4		ND	µg/Kg-dry	1	4/17/2008 11:51:00 PM	JSA
Ethylbenzene	NELAP	7.1		ND	µg/Kg-dry	1	4/17/2008 11:51:00 PM	JSA
Toluene	NELAP	7.1		ND	µg/Kg-dry	1	4/17/2008 11:51:00 PM	JSA
Xylenes, Total	NELAP	7.1		ND	µg/Kg-dry	1	4/17/2008 11:51:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		91.0	%REC	1	4/17/2008 11:51:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		99.4	%REC	1	4/17/2008 11:51:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		97.7	%REC	1	4/17/2008 11:51:00 PM	JSA
Surr: Toluene-d8		80.1-122		98.2	%REC	1	4/17/2008 11:51:00 PM	JSA
<b><u>SW-846 9010B, 9014</u></b>								
Cyanide	NELAP	0.62		< 0.62	mg/Kg-dry	1	4/18/2008	AET

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-839 (2.0 ft- 3.0 ft)

**Lab ID:** 08040620-007

**Collection Date:** 4/14/2008 5:25:00 PM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.62		< 0.62	mg/Kg-dry	1	4/18/2008	AET

### [Sample Narrative](#)



ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-008  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-839 (6.0 ft- 7.0 ft)  
**Collection Date:** 4/14/2008 5:36:00 PM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		18.7	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		81.3	%	1	4/16/2008	TWM
<b><u>SW-846 3050B, 6010B, METALS BY ICP</u></b>								
Arsenic	NELAP	2.50		4.45	mg/Kg-dry	1	4/21/2008 10:25:32 AM	LAL
Chromium	NELAP	1.00		29.7	mg/Kg-dry	1	4/18/2008 7:43:02 PM	CRK
Lead	NELAP	4.00		16.9	mg/Kg-dry	1	4/18/2008 7:43:02 PM	CRK
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Naphthalene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		34.1	%REC	1	4/17/2008 3:00:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		33.9	%REC	1	4/17/2008 3:00:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		65.7	%REC	1	4/17/2008 3:00:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.9		ND	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Ethylbenzene	NELAP	4.3		ND	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Toluene	NELAP	4.3		ND	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Xylenes, Total	NELAP	4.3		ND	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		90.9	%REC	1	4/18/2008 12:22:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		99.9	%REC	1	4/18/2008 12:22:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		96.5	%REC	1	4/18/2008 12:22:00 AM	JSA
Surr: Toluene-d8		80.1-122		97.9	%REC	1	4/18/2008 12:22:00 AM	JSA
<b><u>SW-846 9010B, 9014</u></b>								
Cyanide	NELAP	0.59		< 0.59	mg/Kg-dry	1	4/18/2008	AET

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-839 (6.0 ft- 7.0 ft)

**Lab ID:** 08040620-008

**Collection Date:** 4/14/2008 5:36:00 PM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.59		< 0.59	mg/Kg-dry	1	4/18/2008	AET

### [Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-009  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-839 (16.0 ft- 17.0 ft)  
**Collection Date:** 4/14/2008 6:12:00 PM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		12.7	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		87.3	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		0.005	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Naphthalene	NELAP	0.004		0.008	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Pyrene	NELAP	0.004		0.004	mg/Kg-dry	1	4/17/2008 6:20:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		59.1	%REC	1	4/17/2008 6:20:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		51.3	%REC	1	4/17/2008 6:20:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		71.1	%REC	1	4/17/2008 6:20:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.8		0.9	µg/Kg-dry	1	4/18/2008 12:52:00 AM	JSA
Ethylbenzene	NELAP	3.8		ND	µg/Kg-dry	1	4/18/2008 12:52:00 AM	JSA
Toluene	NELAP	3.8	J	0.9	µg/Kg-dry	1	4/18/2008 12:52:00 AM	JSA
Xylenes, Total	NELAP	3.8		ND	µg/Kg-dry	1	4/18/2008 12:52:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		94.3	%REC	1	4/18/2008 12:52:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		95.7	%REC	1	4/18/2008 12:52:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		97.6	%REC	1	4/18/2008 12:52:00 AM	JSA
Surr: Toluene-d8		80.1-122		96.4	%REC	1	4/18/2008 12:52:00 AM	JSA

### Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-010  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-802 (2.0 ft-3.0 ft)  
**Collection Date:** 4/15/2008 8:50:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		16.1	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		83.9	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.102		ND	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Acenaphthylene	NELAP	0.102		0.835	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Anthracene	NELAP	0.102		0.452	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Benzo(a)anthracene	NELAP	0.102		1.64	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Benzo(a)pyrene	NELAP	0.102		2.04	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.102		2.98	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.102		1.33	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.102		1.00	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Chrysene	NELAP	0.102		1.80	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.102		0.421	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Fluoranthene	NELAP	0.102		3.67	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Fluorene	NELAP	0.102	J	0.097	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.102		1.22	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Naphthalene	NELAP	0.102		0.122	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Phenanthrene	NELAP	0.102		2.46	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Pyrene	NELAP	0.102		4.21	mg/Kg-dry	25	4/17/2008 6:55:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		44.9	%REC	25	4/17/2008 6:55:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		34.9	%REC	25	4/17/2008 6:55:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		64.9	%REC	25	4/17/2008 6:55:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	1.4		3.7	µg/Kg-dry	1	4/18/2008 1:23:00 AM	JSA
Ethylbenzene	NELAP	7.0	J	2.2	µg/Kg-dry	1	4/18/2008 1:23:00 AM	JSA
Toluene	NELAP	7.0	J	4.9	µg/Kg-dry	1	4/18/2008 1:23:00 AM	JSA
Xylenes, Total	NELAP	7.0	J	4.8	µg/Kg-dry	1	4/18/2008 1:23:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		85.9	%REC	1	4/18/2008 1:23:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117	S	77.4	%REC	1	4/18/2008 1:23:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		96.6	%REC	1	4/18/2008 1:23:00 AM	JSA
Surr: Toluene-d8		80.1-122		92.3	%REC	1	4/18/2008 1:23:00 AM	JSA

### Sample Narrative

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

Surrogate recovery was outside QC limits due to matrix interference.

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-011  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-802 (8.5 ft-10.0 ft)  
**Collection Date:** 4/15/2008 9:15:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		19.4	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		80.6	%	1	4/16/2008	TWM
<b><u>SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS</u></b>								
Benzene	NELAP	0.100	J	0.052	mg/L	50	4/19/2008 12:23:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		115.3	%REC	50	4/19/2008 12:23:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		106.6	%REC	50	4/19/2008 12:23:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		105.3	%REC	50	4/19/2008 12:23:00 AM	TAL
Surr: Toluene-d8		84.3-114		110.0	%REC	50	4/19/2008 12:23:00 AM	TAL
<b><u>SW-846 3050B, 6010B, METALS BY ICP</u></b>								
Arsenic	NELAP	2.50		4.34	mg/Kg-dry	1	4/21/2008 10:32:16 AM	LAL
Chromium	NELAP	1.00		25.0	mg/Kg-dry	1	4/18/2008 7:47:16 PM	CRK
Lead	NELAP	4.00		15.4	mg/Kg-dry	1	4/18/2008 7:47:16 PM	CRK
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.204		9.50	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Acenaphthylene	NELAP	0.204		9.63	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Anthracene	NELAP	0.204		8.89	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Benzo(a)anthracene	NELAP	0.204		5.15	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Benzo(a)pyrene	NELAP	0.204		4.59	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.204		3.66	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.204		1.59	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.204		1.09	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Chrysene	NELAP	0.204		5.20	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.204		0.591	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Fluoranthene	NELAP	0.204		10.4	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Fluorene	NELAP	0.204		9.83	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.204		1.28	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Naphthalene	NELAP	0.204		24.3	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Phenanthrene	NELAP	0.204		31.5	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Pyrene	NELAP	0.204		15.1	mg/Kg-dry	50	4/17/2008 7:30:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		59.9	%REC	50	4/17/2008 7:30:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		39.9	%REC	50	4/17/2008 7:30:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		69.9	%REC	50	4/17/2008 7:30:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	29.5		1920	µg/Kg-dry	12.5	4/18/2008 1:53:00 AM	JSA
Ethylbenzene	NELAP	147		3110	µg/Kg-dry	12.5	4/18/2008 1:53:00 AM	JSA
Toluene	NELAP	147	J	110	µg/Kg-dry	12.5	4/18/2008 1:53:00 AM	JSA
Xylenes, Total	NELAP	147		3990	µg/Kg-dry	12.5	4/18/2008 1:53:00 AM	JSA

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-011  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-802 (8.5 ft-10.0 ft)  
**Collection Date:** 4/15/2008 9:15:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Surr: 1,2-Dichloroethane-d4		61-128		<b>115.2</b>	%REC	12.5	4/18/2008 1:53:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		<b>109.2</b>	%REC	12.5	4/18/2008 1:53:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130	S	<b>152.0</b>	%REC	12.5	4/18/2008 1:53:00 AM	JSA
Surr: Toluene-d8		80.1-122		<b>113.6</b>	%REC	12.5	4/18/2008 1:53:00 AM	JSA
<b><u>SW-846 9010B, 9014</u></b>								
Cyanide	NELAP	0.57		<b>0.97</b>	mg/Kg-dry	1	4/18/2008	AET
<b><u>SW-846 9014A</u></b>								
Cyanide, Amenable to Chlorination		0.57		<b>Interference</b>	mg/Kg-dry	1	4/18/2008	AET

### Sample Narrative

SW-846 5035, 8260B, 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.

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-012  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-802 (14.5 ft- 15.5 ft)  
**Collection Date:** 4/15/2008 9:50:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		11.9	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		88.1	%	1	4/16/2008	TWM
<b><u>SW-846 3050B, 6010B, METALS BY ICP</u></b>								
Arsenic	NELAP	2.50		5.84	mg/Kg-dry	1	4/21/2008 10:39:03 AM	LAL
Chromium	NELAP	1.00		17.9	mg/Kg-dry	1	4/18/2008 7:51:28 PM	CRK
Lead	NELAP	4.00		15.8	mg/Kg-dry	1	4/18/2008 7:51:28 PM	CRK
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.382		4.66	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Acenaphthylene	NELAP	0.382		18.3	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Anthracene	NELAP	0.382		12.3	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Benzo(a)anthracene	NELAP	0.382		7.69	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Benzo(a)pyrene	NELAP	0.382		7.28	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.382		6.01	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.382		2.73	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.382		2.08	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Chrysene	NELAP	0.382		7.36	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.382		0.982	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Fluoranthene	NELAP	0.382		17.4	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Fluorene	NELAP	0.382		13.8	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.382		2.35	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Naphthalene	NELAP	0.382		78.3	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Phenanthrene	NELAP	0.382		43.2	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Pyrene	NELAP	0.382		21.5	mg/Kg-dry	100	4/17/2008 8:05:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		39.9	%REC	100	4/17/2008 8:05:00 PM	TDN
Surr: Nitrobenzene-d5		10-132	S	0	%REC	100	4/17/2008 8:05:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		79.8	%REC	100	4/17/2008 8:05:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	497		79900	µg/Kg-dry	250	4/18/2008 2:23:00 AM	JSA
Ethylbenzene	NELAP	2490		31000	µg/Kg-dry	250	4/18/2008 2:23:00 AM	JSA
Toluene	NELAP	2490		57600	µg/Kg-dry	250	4/18/2008 2:23:00 AM	JSA
Xylenes, Total	NELAP	2490		112000	µg/Kg-dry	250	4/18/2008 2:23:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		82.3	%REC	250	4/18/2008 2:23:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		102.5	%REC	250	4/18/2008 2:23:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		91.7	%REC	250	4/18/2008 2:23:00 AM	JSA
Surr: Toluene-d8		80.1-122		97.5	%REC	250	4/18/2008 2:23:00 AM	JSA
<b><u>SW-846 9010B, 9014</u></b>								
Cyanide	NELAP	0.53	J	0.33	mg/Kg-dry	1	4/18/2008	AET

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**WorkOrder:** 08040620

**Lab ID:** 08040620-012

**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ

**Client Sample ID:** B-802 (14.5 ft- 15.5 ft)

**Collection Date:** 4/15/2008 9:50:00 AM

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.53		Interference	mg/Kg-dry	1	4/18/2008	AET

### Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to sample dilution.



ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-013  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-802 (25 ft- 26 ft)  
**Collection Date:** 4/15/2008 10:20:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		8.9	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		91.1	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		0.005	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Fluoranthene	NELAP	0.004		0.004	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Naphthalene	NELAP	0.004		0.017	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Phenanthrene	NELAP	0.004		0.010	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Pyrene	NELAP	0.004		0.007	mg/Kg-dry	1	4/17/2008 8:40:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		40.1	%REC	1	4/17/2008 8:40:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		33.5	%REC	1	4/17/2008 8:40:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		63.5	%REC	1	4/17/2008 8:40:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.9		43.8	µg/Kg-dry	1	4/18/2008 2:54:00 AM	JSA
Ethylbenzene	NELAP	4.3		ND	µg/Kg-dry	1	4/18/2008 2:54:00 AM	JSA
Toluene	NELAP	4.3	J	1.3	µg/Kg-dry	1	4/18/2008 2:54:00 AM	JSA
Xylenes, Total	NELAP	4.3	J	0.9	µg/Kg-dry	1	4/18/2008 2:54:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128	S	59.6	%REC	1	4/18/2008 2:54:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		109.0	%REC	1	4/18/2008 2:54:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		71.0	%REC	1	4/18/2008 2:54:00 AM	JSA
Surr: Toluene-d8		80.1-122		99.5	%REC	1	4/18/2008 2:54:00 AM	JSA

### Sample Narrative

SW-846 5035, 8260B, 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

## LABORATORY RESULTS

**Client:** Philip Environmental

**WorkOrder:** 08040620

**Lab ID:** 08040620-014

**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ

**Client Sample ID:** B-840 (1 ft- 2 ft)

**Collection Date:** 4/15/2008 10:50:00 AM

**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		24.2	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		75.8	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.005		ND	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Acenaphthylene	NELAP	0.005		0.062	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Anthracene	NELAP	0.005		0.018	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Benzo(a)anthracene	NELAP	0.005		0.134	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Benzo(a)pyrene	NELAP	0.005		0.169	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.005		0.232	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.005		0.120	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.005		0.082	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Chrysene	NELAP	0.005		0.144	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.005		0.037	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Fluoranthene	NELAP	0.005		0.220	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Fluorene	NELAP	0.005		0.006	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.005		0.113	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Naphthalene	NELAP	0.005		0.011	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Phenanthrene	NELAP	0.005		0.073	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Pyrene	NELAP	0.005		0.194	mg/Kg-dry	1	4/18/2008 3:13:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		37.3	%REC	1	4/18/2008 3:13:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		34.9	%REC	1	4/18/2008 3:13:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		61.3	%REC	1	4/18/2008 3:13:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	1.3		2.0	µg/Kg-dry	1	4/18/2008 3:24:00 AM	JSA
Ethylbenzene	NELAP	6.7		ND	µg/Kg-dry	1	4/18/2008 3:24:00 AM	JSA
Toluene	NELAP	6.7		ND	µg/Kg-dry	1	4/18/2008 3:24:00 AM	JSA
Xylenes, Total	NELAP	6.7		ND	µg/Kg-dry	1	4/18/2008 3:24:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		87.1	%REC	1	4/18/2008 3:24:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		97.2	%REC	1	4/18/2008 3:24:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		93.0	%REC	1	4/18/2008 3:24:00 AM	JSA
Surr: Toluene-d8		80.1-122		97.3	%REC	1	4/18/2008 3:24:00 AM	JSA

### Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-015  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-840 (7 ft- 8 ft)  
**Collection Date:** 4/15/2008 11:15:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		17.2	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		82.8	%	1	4/16/2008	TWM
<b><u>SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS</u></b>								
Benzene	NELAP	0.100		ND	mg/L	50	4/19/2008 1:55:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		118.1	%REC	50	4/19/2008 1:55:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		112.3	%REC	50	4/19/2008 1:55:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		103.8	%REC	50	4/19/2008 1:55:00 AM	TAL
Surr: Toluene-d8		84.3-114		106.7	%REC	50	4/19/2008 1:55:00 AM	TAL
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Acenaphthylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Chrysene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Fluoranthene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Fluorene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Naphthalene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Phenanthrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Pyrene	NELAP	0.004		ND	mg/Kg-dry	1	4/17/2008 3:37:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		29.7	%REC	1	4/17/2008 3:37:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		32.9	%REC	1	4/17/2008 3:37:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		66.9	%REC	1	4/17/2008 3:37:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	1.0		ND	µg/Kg-dry	1	4/18/2008 3:55:00 AM	JSA
Ethylbenzene	NELAP	4.9		ND	µg/Kg-dry	1	4/18/2008 3:55:00 AM	JSA
Toluene	NELAP	4.9		ND	µg/Kg-dry	1	4/18/2008 3:55:00 AM	JSA
Xylenes, Total	NELAP	4.9		ND	µg/Kg-dry	1	4/18/2008 3:55:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		90.8	%REC	1	4/18/2008 3:55:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		100.3	%REC	1	4/18/2008 3:55:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		93.9	%REC	1	4/18/2008 3:55:00 AM	JSA
Surr: Toluene-d8		80.1-122		99.0	%REC	1	4/18/2008 3:55:00 AM	JSA

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## LABORATORY RESULTS

**Client:** Philip Environmental

**Client Project:** A831-735002-012901-225/IP Champ

**WorkOrder:** 08040620

**Client Sample ID:** B-840 (7 ft- 8 ft)

**Lab ID:** 08040620-015

**Collection Date:** 4/15/2008 11:15:00 AM

**Report Date:** 23-Apr-08

**Matrix:** SOLID

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Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
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[Sample Narrative](#)

ENVIRONMENTAL TESTING LABORATORY

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

## LABORATORY RESULTS

**Client:** Philip Environmental  
**WorkOrder:** 08040620  
**Lab ID:** 08040620-016  
**Report Date:** 23-Apr-08

**Client Project:** A831-735002-012901-225/IP Champ  
**Client Sample ID:** B-840 (18 ft-19 ft)  
**Collection Date:** 4/15/2008 11:45:00 AM  
**Matrix:** SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>ASTM D2974</u></b>								
Percent Moisture		0.1		11.0	%	1	4/16/2008	TWM
<b><u>STANDARD METHODS 18TH ED. 2540 G</u></b>								
Total Solids		0.1		89.0	%	1	4/16/2008	TWM
<b><u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Acenaphthene	NELAP	0.004		0.013	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Acenaphthylene	NELAP	0.004		0.030	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Anthracene	NELAP	0.004		0.029	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		0.031	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		0.030	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		0.032	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		0.017	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		0.011	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Chrysene	NELAP	0.004		0.033	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		0.006	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Fluoranthene	NELAP	0.004		0.060	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Fluorene	NELAP	0.004		0.028	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		0.012	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Naphthalene	NELAP	0.004		0.112	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Phenanthrene	NELAP	0.004		0.117	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Pyrene	NELAP	0.004		0.068	mg/Kg-dry	1	4/17/2008 9:51:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		39.9	%REC	1	4/17/2008 9:51:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		32.9	%REC	1	4/17/2008 9:51:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		64.7	%REC	1	4/17/2008 9:51:00 PM	TDN
<b><u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	0.9		1.6	µg/Kg-dry	1	4/18/2008 4:25:00 AM	JSA
Ethylbenzene	NELAP	4.5		ND	µg/Kg-dry	1	4/18/2008 4:25:00 AM	JSA
Toluene	NELAP	4.5	J	1.4	µg/Kg-dry	1	4/18/2008 4:25:00 AM	JSA
Xylenes, Total	NELAP	4.5		ND	µg/Kg-dry	1	4/18/2008 4:25:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128	S	58.1	%REC	1	4/18/2008 4:25:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		99.1	%REC	1	4/18/2008 4:25:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130	S	60.1	%REC	1	4/18/2008 4:25:00 AM	JSA
Surr: Toluene-d8		80.1-122		95.4	%REC	1	4/18/2008 4:25:00 AM	JSA

### Sample Narrative

SW-846 5035, 8260B, 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:** Philip Environmental

## DATES REPORT

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

**Lab Order:** 08040620

**Report Date:** 23-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-001A	B-837 (0.5 ft-2.0 ft)	4/14/2008	Solid	ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-002A	B-837 (9 ft-10 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-003A	B-837 (12 ft- 13 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-004A	B-800 (2 ft-3 ft)			ASTM D2974		4/16/2008
				ASTM D2974		4/16/2008

ENVIRONMENTAL TESTING LABORATORY

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

**Client:** Philip Environmental  
**Project:** A831-735002-012901-225/IP Champaign 62403053  
**Lab Order:** 08040620  
**Report Date:** 23-Apr-08

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-004A	B-800 (2 ft-3 ft)	4/14/2008	Solid	Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9045C		4/17/2008
08040620-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-005A	B-800 (9 ft-10 ft)			ASTM D2974		4/16/2008
				ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9045C		4/17/2008
08040620-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-006A	B-800 (11.5 ft- 12.5 ft)			ASTM D2974		4/16/2008
				ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9045C		4/17/2008
08040620-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-007A	B-839 (2.0 ft- 3.0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008

ENVIRONMENTAL TESTING LABORATORY

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

**Client:** Philip Environmental  
**Project:** A831-735002-012901-225/IP Champaign 62403053  
**Lab Order:** 08040620  
**Report Date:** 23-Apr-08

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-007A	B-839 (2.0 ft- 3.0 ft)	4/14/2008	Solid	SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-007D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-008A	B-839 (6.0 ft- 7.0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-009A	B-839 (16.0 ft- 17.0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-010A	B-802 (2.0 ft-3.0 ft)	4/15/2008		ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-010D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-011A	B-802 (8.5 ft-10.0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008



ENVIRONMENTAL TESTING LABORATORY

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**Client:** Philip Environmental

## DATES REPORT

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

**Lab Order:** 08040620

**Report Date:** 23-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-011A	B-802 (8.5 ft-10.0 ft)	4/15/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-011B				SW-846 1311, 5030, 8260B, Volatile Organic Compounds in TCLP Extract by GC/MS	4/18/2008	4/19/2008
08040620-011D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-012A	B-802 (14.5 ft- 15.5 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-012D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-013A	B-802 (25 ft- 26 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-013D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-014A	B-840 (1 ft- 2 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

**Client:** Philip Environmental

## DATES REPORT

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

**Lab Order:** 08040620

**Report Date:** 23-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-014D	B-840 (1 ft- 2 ft)	4/15/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-015A	B-840 (7 ft- 8 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-015B				SW-846 1311, 5030, 8260B, Volatile Organic Compounds in TCLP Extract by GC/MS	4/18/2008	4/19/2008
08040620-015D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-016A	B-840 (18 ft-19 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed. 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-016D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008

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

Client: Philip Environmental

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

Lab Order: 08040620

Report Date: 23-Apr-08

## ANALYTICAL QC SUMMARY REPORT

TestCode: I\_ACN\_S\_MT

Sample ID: <b>MB-44164</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107025</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44164</b>	<b>SOP2092</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917204</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Amenable to Chlorination < 0.01 0.01

Sample ID: <b>LCS-44164</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107025</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44164</b>	<b>SOP2092</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917205</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide, Amenable to Chlorination 0.19 0.01 0.2000 0 94.5 85 115

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: I\_OM\_D\_M

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>08040620-004ADUP</b>	SampType: <b>DUP</b>	Units: <b>wt%</b>				Prep Date:	RunNo: <b>107181</b>				
Client ID: <b>B-800 (2 ft-3 ft)DUP</b>	Batch ID: <b>R107181</b>					Analysis Date: <b>4/16/2008</b>	SeqNo: <b>1922896</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
FOC (0.58 conversion factor)	3.78	0.10						3.554	6.08	25	
Organic Matter	6.51	0.10						6.127	6.08	25	

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: I\_TCN\_S\_MT

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>MB-R107022</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107022</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44162</b>	<b>SW9010</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917161</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide < 0.01 0.01

Sample ID: <b>LCS-R107022</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107022</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44162</b>	<b>SW9010</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917162</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.19 0.01 0.2000 0 94.5 85 115

Sample ID: <b>LCSD-R107022</b>	SampType: <b>LCSD</b>	Units: <b>mg/Kg</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107022</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44162</b>	<b>SW9010</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917163</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.20 0.01 0.2000 0 100.4 85 115

Sample ID: <b>08040620-001AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107022</b>							
Client ID: <b>B-837 (0.5 ft-2.0 ft)M</b>	Batch ID: <b>44162</b>	<b>SW9010</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917165</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 12.7 0.62 12.33 0.4829 98.7 80 120

Sample ID: <b>08040620-001AMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/16/2008</b>	RunNo: <b>107022</b>							
Client ID: <b>B-837 (0.5 ft-2.0 ft)M</b>	Batch ID: <b>44162</b>	<b>SW9010</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917166</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 12.1 0.60 12.04 0.4829 96.1 80 120 12.65 4.85 20

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: I\_TS\_M\_MT

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>LCS-R106905</b>	SampType: <b>LCS</b>	Units: %	Prep Date:	RunNo: <b>106905</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R106905</b>		Analysis Date: <b>4/16/2008</b>	SeqNo: <b>1913501</b>							
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				

Sample ID: <b>LCSQC</b>	SampType: <b>LCSQC</b>	Units: %	Prep Date:	RunNo: <b>106905</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R106905</b>		Analysis Date: <b>4/16/2008</b>	SeqNo: <b>1913502</b>							
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	99.0	90	110				

Sample ID: <b>08040620-004ADUP</b>	SampType: <b>DUP</b>	Units: %	Prep Date:	RunNo: <b>106905</b>							
Client ID: <b>B-800 (2 ft-3 ft)DUP</b>	Batch ID: <b>R106905</b>		Analysis Date: <b>4/16/2008</b>	SeqNo: <b>1914341</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	79.8	0.1						79.85	0.100	15	

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: L\_PH\_S\_M

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>08040620-006ADUP</b>	SampType: <b>DUP</b>	Units:	Prep Date:	RunNo: <b>107010</b>							
Client ID: <b>B-800 (11.5 ft- 12.5 ft)</b>	Batch ID: <b>R107010</b>		Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1916872</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1:1)	8.14	1.00						8.140	0	10	

Sample ID: <b>LCS-R107010</b>	SampType: <b>LCS</b>	Units:	Prep Date:	RunNo: <b>107010</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R107010</b>		Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1917259</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1:1)	7.02	1.00	7.000	0	100.3	99.1	100.9				



Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: M\_SOLIDS\_ICP

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>MB-44184</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>4/17/2008</b>	RunNo: <b>106971</b>					
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>				Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1916669</b>					
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				
Chromium	< 1.00	1.00	1.000	0	0	-100	100				
Lead	< 4.00	4.00	4.000	0	0	-100	100				

Sample ID: <b>LCS-44184</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>4/17/2008</b>	RunNo: <b>106971</b>					
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>				Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1916670</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Arsenic	220	2.50	200.0	0	110.0	85	115				
Chromium	21.8	1.00	20.00	0	109.2	85	115				
Lead	53.6	4.00	50.00	0	107.3	85	115				

Sample ID: <b>MB-44184</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>4/17/2008</b>	RunNo: <b>106990</b>					
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>				Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1918890</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	0.66	1.00	1.000	0	66.0	-100	100				J
Lead	< 4.00	4.00	4.000	0	0	-100	100				

Sample ID: <b>LCS-44184</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>4/17/2008</b>	RunNo: <b>106990</b>					
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>				Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1918891</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Chromium	21.4	1.00	20.00	0	107.2	85	115				
Lead	51.7	4.00	50.00	0	103.4	85	115				

Sample ID: <b>08040620-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>4/17/2008</b>	RunNo: <b>106990</b>					
Client ID: <b>B-837 (9 ft-10 ft)MS</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>				Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1918897</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: M\_SOLIDS\_ICP

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>08040620-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106990</b>							
Client ID: <b>B-837 (9 ft-10 ft)MS</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1918897</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	43.3	1.00	20.00	24.35	94.6	75	125				
Lead	64.8	4.00	50.00	17.93	93.8	75	125				

Sample ID: <b>08040620-002AMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106990</b>							
Client ID: <b>B-837 (9 ft-10 ft)MS</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1918900</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	45.3	1.00	20.00	24.35	104.7	75	125	43.28	4.52	20	
Lead	64.8	4.00	50.00	17.93	93.8	75	125	64.84	0.0154	20	

Sample ID: <b>08040620-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>107055</b>							
Client ID: <b>B-837 (9 ft-10 ft)MS</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>	Analysis Date: <b>4/21/2008</b>	SeqNo: <b>1919284</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	201	2.50	200.0	6.370	97.2	75	125				
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Sample ID: <b>08040620-002AMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>107055</b>							
Client ID: <b>B-837 (9 ft-10 ft)MS</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>	Analysis Date: <b>4/21/2008</b>	SeqNo: <b>1919652</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	210	2.50	200.0	6.370	101.7	75	125	200.8	4.34	20	
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Sample ID: <b>MB-44184</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>107062</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>	Analysis Date: <b>4/21/2008</b>	SeqNo: <b>1920574</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	1.3	2.50	2.500	0	52.8	-100	100				J
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Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: M\_SOLIDS\_ICP

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>LCS-44184</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>4/17/2008</b>	RunNo: <b>107062</b>				
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44184</b>	<b>SOP 3032</b>				Analysis Date: <b>4/21/2008</b>	SeqNo: <b>1920575</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	210	2.50	200.0	0	104.8	85	115				

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: SV\_8270S\_S\_SIMS

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>MB-44144</b>		SampType: <b>MBLK</b>		Units: <b>mg/Kg</b>		Prep Date: <b>4/16/2008</b>		RunNo: <b>106944</b>			
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>44144</b>		<b>SW3550B</b>		Analysis Date: <b>4/17/2008</b>		SeqNo: <b>1914505</b>			
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									
Chrysene	ND	0.003									
Dibenzo(a,h)anthracene	ND	0.003									
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	0.091		0.1670		54.7	17.5	123				
Surr: Nitrobenzene-d5	0.074		0.1670		44.3	35	105				
Surr: p-Terphenyl-d14	0.122		0.1670		73.1	53.6	122				

Sample ID: <b>LCS-44144</b>		SampType: <b>LCS</b>		Units: <b>mg/Kg</b>		Prep Date: <b>4/16/2008</b>		RunNo: <b>106944</b>			
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>44144</b>		<b>SW3550B</b>		Analysis Date: <b>4/17/2008</b>		SeqNo: <b>1914506</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.115	0.003	0.1670	0	68.7	56.3	115				
Acenaphthylene	0.127	0.003	0.1670	0	75.9	60.3	143				
Anthracene	0.109	0.003	0.1670	0	65.5	52.1	109				
Benzo(a)anthracene	0.111	0.003	0.1670	0	66.5	52.8	112				
Benzo(a)pyrene	0.108	0.003	0.1670	0	64.4	40.8	127				
Benzo(b)fluoranthene	0.125	0.003	0.1670	0	75.0	50.1	150				
Benzo(g,h,i)perylene	0.114	0.003	0.1670	0	68.2	52.8	145				

Client: Philip Environmental

## ANALYTICAL QC SUMMARY REPORT

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

TestCode: SV\_8270S\_S\_SIMS

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>LCS-44144</b>		SampType: <b>LCS</b>		Units: <b>mg/Kg</b>		Prep Date: <b>4/16/2008</b>		RunNo: <b>106944</b>			
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>44144</b>		<b>SW3550B</b>		Analysis Date: <b>4/17/2008</b>		SeqNo: <b>1914506</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.129	0.003	0.1670	0	77.1	52	153				
Chrysene	0.120	0.003	0.1670	0	71.6	60.8	128				
Dibenzo(a,h)anthracene	0.115	0.003	0.1670	0	69.1	54.9	150				
Fluoranthene	0.117	0.003	0.1670	0	70.1	58.7	125				
Fluorene	0.118	0.003	0.1670	0	70.4	57.8	125				
Indeno(1,2,3-cd)pyrene	0.114	0.003	0.1670	0	68.2	52	147				
Naphthalene	0.096	0.003	0.1670	0	57.3	54.8	113				
Phenanthrene	0.116	0.003	0.1670	0	69.6	60.4	121				
Pyrene	0.120	0.003	0.1670	0	71.6	57.9	129				
Surr: 2-Fluorobiphenyl	0.115		0.1670		69.1	35.3	113				
Surr: Nitrobenzene-d5	0.103		0.1670		61.7	33.9	108				
Surr: p-Terphenyl-d14	0.126		0.1670		75.4	58.4	122				

Sample ID: <b>08040620-001AMS</b>		SampType: <b>MS</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>4/17/2008</b>		RunNo: <b>106944</b>			
Client ID: <b>B-837 (0.5 ft-2.0 ft)M</b>		Batch ID: <b>44144</b>		<b>SW3550B</b>		Analysis Date: <b>4/17/2008</b>		SeqNo: <b>1915682</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.139	0.021	0.2032	0	68.4	36	135				
Acenaphthylene	0.247	0.021	0.2032	0.1373	53.8	17.2	167				
Anthracene	0.205	0.021	0.2032	0.1078	48.1	39.3	124				
Benzo(a)anthracene	0.585	0.021	0.2032	0.6641	-39.1	10	183				S
Benzo(a)pyrene	0.678	0.021	0.2032	0.7852	-52.6	10	204				S
Benzo(b)fluoranthene	0.817	0.021	0.2032	0.9864	-83.6	10.6	178				S
Benzo(g,h,i)perylene	0.487	0.021	0.2032	0.5089	-10.8	10	168				S
Benzo(k)fluoranthene	0.407	0.021	0.2032	0.3569	24.8	27.6	181				S
Chrysene	0.590	0.021	0.2032	0.6967	-52.4	10	176				S
Dibenzo(a,h)anthracene	0.243	0.021	0.2032	0.1651	38.5	12.2	156				
Fluoranthene	0.847	0.021	0.2032	0.9798	-65.2	10	227				S
Fluorene	0.150	0.021	0.2032	0.02015	63.7	35.2	148				
Indeno(1,2,3-cd)pyrene	0.456	0.021	0.2032	0.4838	-13.5	10	164				S
Naphthalene	0.152	0.021	0.2032	0.05858	46.0	14.7	128				

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: SV\_8270S\_S\_SIMS

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>08040620-001AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106944</b>							
Client ID: <b>B-837 (0.5 ft-2.0 ft)M</b>	Batch ID: <b>44144</b>	<b>SW3550B</b>	Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1915682</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0.388	0.021	0.2032	0.3434	22.1	32.8	143				S
Pyrene	0.767	0.021	0.2032	0.8780	-54.8	10	180				S
Surr: 2-Fluorobiphenyl	0.138		0.2032		67.9	10	131				
Surr: Nitrobenzene-d5	0.120		0.2032		58.9	10	132				
Surr: p-Terphenyl-d14	0.130		0.2032		63.9	30.6	131				

Sample ID: <b>08040620-001AMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106944</b>							
Client ID: <b>B-837 (0.5 ft-2.0 ft)M</b>	Batch ID: <b>44144</b>	<b>SW3550B</b>	Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1915683</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.160	0.021	0.2057	0	77.6	36	135	0.1389	13.9	49.7	
Acenaphthylene	0.262	0.021	0.2057	0.1373	60.6	17.2	167	0.2466	6.03	33.3	
Anthracene	0.192	0.021	0.2057	0.1078	41.0	39.3	124	0.2055	6.69	51.1	
Benzo(a)anthracene	0.425	0.021	0.2057	0.6641	-116.2	10	183	0.5846	31.6	40.6	S
Benzo(a)pyrene	0.494	0.021	0.2057	0.7852	-141.7	10	204	0.6783	31.5	56.4	S
Benzo(b)fluoranthene	0.600	0.021	0.2057	0.9864	-187.8	10.6	178	0.8166	30.6	49.7	S
Benzo(g,h,i)perylene	0.354	0.021	0.2057	0.5089	-75.4	10	168	0.4870	31.7	36.5	S
Benzo(k)fluoranthene	0.320	0.021	0.2057	0.3569	-18.1	27.6	181	0.4073	24.1	42.6	S
Chrysene	0.467	0.021	0.2057	0.6967	-111.8	10	176	0.5902	23.4	45.1	S
Dibenzo(a,h)anthracene	0.205	0.021	0.2057	0.1651	19.5	12.2	156	0.2434	17.0	39.9	
Fluoranthene	0.762	0.021	0.2057	0.9798	-105.9	10	227	0.8472	10.6	66.2	S
Fluorene	0.174	0.021	0.2057	0.02015	74.8	35.2	148	0.1497	15.1	65.6	
Indeno(1,2,3-cd)pyrene	0.341	0.021	0.2057	0.4838	-69.6	10	164	0.4564	29.0	36.5	S
Naphthalene	0.155	0.021	0.2057	0.05858	47.0	14.7	128	0.1521	2.01	39.6	
Phenanthrene	0.539	0.021	0.2057	0.3434	95.2	32.8	143	0.3882	32.5	35.4	
Pyrene	0.668	0.021	0.2057	0.8780	-102.1	10	180	0.7667	13.8	60.1	S
Surr: 2-Fluorobiphenyl	0.138		0.2057		66.9	10	131		0	40	
Surr: Nitrobenzene-d5	0.123		0.2057		59.9	10	132		0	40	
Surr: p-Terphenyl-d14	0.142		0.2057		68.9	30.6	131		0	40	

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: V\_8260TCLP

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>LCS-N080418-2</b>	SampType: <b>LCS</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917617</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.052	0.002	0.05000	0	104.9	82.7	117				
Surr: 1,2-Dichloroethane-d4	0.056		0.05000		112.4	74.7	129				
Surr: 4-Bromofluorobenzene	0.052		0.05000		103.3	86	119				
Surr: Dibromofluoromethane	0.051		0.05000		101.4	81.7	123				
Surr: Toluene-d8	0.052		0.05000		103.3	84.3	114				

Sample ID: <b>LCSD-N080418-2</b>	SampType: <b>LCSD</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917618</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.050	0.002	0.05000	0	99.2	82.7	117	0.05245	5.61	20	
Surr: 1,2-Dichloroethane-d4	0.056		0.05000		111.4	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	0.051		0.05000		101.7	86	119		0	0	
Surr: Dibromofluoromethane	0.051		0.05000		101.4	81.7	123		0	0	
Surr: Toluene-d8	0.052		0.05000		103.8	84.3	114		0	0	

Sample ID: <b>MBLK-N080418-2</b>	SampType: <b>MBLK</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/18/2008</b>	SeqNo: <b>1917619</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.002									
Surr: 1,2-Dichloroethane-d4	0.057		0.05000		113.9	74.7	129				
Surr: 4-Bromofluorobenzene	0.057		0.05000		114.0	86	119				
Surr: Dibromofluoromethane	0.051		0.05000		101.2	81.7	123				
Surr: Toluene-d8	0.053		0.05000		105.8	84.3	114				

Sample ID: <b>08040620-011BMS</b>	SampType: <b>MS</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>B-802 (8.5 ft-10.0 ft)</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/19/2008</b>	SeqNo: <b>1917621</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: V\_8260TCLP

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>08040620-011BMS</b>	SampType: <b>MS</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>B-802 (8.5 ft-10.0 ft)</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/19/2008</b>	SeqNo: <b>1917621</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.15	0.100	2.200	0.05150	95.4	78.9	109				
Surr: 1,2-Dichloroethane-d4	2.85		2.500		114.0	74.7	129				
Surr: 4-Bromofluorobenzene	2.53		2.500		101.1	86	119				
Surr: Dibromofluoromethane	2.62		2.500		104.6	81.7	123				
Surr: Toluene-d8	2.61		2.500		104.3	84.3	114				

Sample ID: <b>08040620-011BMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>B-802 (8.5 ft-10.0 ft)</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/19/2008</b>	SeqNo: <b>1917622</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.17	0.100	2.200	0.05150	96.1	78.9	109	2.150	0.741	20	
Surr: 1,2-Dichloroethane-d4	2.90		2.500		116.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	2.63		2.500		105.1	86	119		0	0	
Surr: Dibromofluoromethane	2.53		2.500		101.2	81.7	123		0	0	
Surr: Toluene-d8	2.64		2.500		105.5	84.3	114		0	0	

Sample ID: <b>08040620-015BMS</b>	SampType: <b>MS</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>B-840 (7 ft- 8 ft)MS</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/19/2008</b>	SeqNo: <b>1917624</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.12	0.100	2.200	0	96.5	78.9	109				
Surr: 1,2-Dichloroethane-d4	2.85		2.500		114.1	74.7	129				
Surr: 4-Bromofluorobenzene	2.86		2.500		114.2	86	119				
Surr: Dibromofluoromethane	2.50		2.500		100.2	81.7	123				
Surr: Toluene-d8	2.66		2.500		106.4	84.3	114				

Sample ID: <b>08040620-015BMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>B-840 (7 ft- 8 ft)MSD</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/19/2008</b>	SeqNo: <b>1917625</b>							
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: 08040620

Report Date: 23-Apr-08

## ANALYTICAL QC SUMMARY REPORT

TestCode: V\_8260TCLP

Sample ID: <b>08040620-015BMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/L</b>	Prep Date: <b>4/18/2008</b>	RunNo: <b>107037</b>							
Client ID: <b>B-840 (7 ft- 8 ft)MSD</b>	Batch ID: <b>44255</b>	<b>SW5030</b>	Analysis Date: <b>4/19/2008</b>	SeqNo: <b>1917625</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.11	0.100	2.200	0	96.0	78.9	109	2.122	0.543	20	
Surr: 1,2-Dichloroethane-d4	2.80		2.500		112.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	2.90		2.500		115.9	86	119		0	0	
Surr: Dibromofluoromethane	2.54		2.500		101.7	81.7	123		0	0	
Surr: Toluene-d8	2.65		2.500		105.9	84.3	114		0	0	

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: V\_BTEX\_S

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>LCS-G080417-1</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106975</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44209</b>	<b>SW5035</b>	Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1915959</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.6	1.0	50.00	0	91.1	75	123				
Toluene	46.1	5.0	50.00	0	92.1	77.3	117				
Ethylbenzene	47.0	5.0	50.00	0	94.0	80.8	118				
Xylenes, Total	93.8	5.0	100.0	0	93.8	78.5	121				
Surr: 1,2-Dichloroethane-d4	42.8		50.00		85.6	61	128				
Surr: 4-Bromofluorobenzene	49.0		50.00		98.0	78.2	117				
Surr: Dibromofluoromethane	48.2		50.00		96.4	66.6	130				
Surr: Toluene-d8	48.6		50.00		97.3	80.1	122				

Sample ID: <b>LCSD-G080417-1</b>	SampType: <b>LCSD</b>	Units: <b>µg/Kg</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106975</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44209</b>	<b>SW5035</b>	Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1915960</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.3	1.0	50.00	0	92.7	75	123	45.56	1.70	20	
Toluene	46.9	5.0	50.00	0	93.9	77.3	117	46.06	1.89	20	
Ethylbenzene	47.0	5.0	50.00	0	94.1	80.8	118	47.00	0.0638	20	
Xylenes, Total	94.1	5.0	100.0	0	94.1	78.5	121	93.75	0.362	20	
Surr: 1,2-Dichloroethane-d4	43.1		50.00		86.1	61	128		0	0	
Surr: 4-Bromofluorobenzene	49.3		50.00		98.5	78.2	117		0	0	
Surr: Dibromofluoromethane	48.4		50.00		96.7	66.6	130		0	0	
Surr: Toluene-d8	48.4		50.00		96.9	80.1	122		0	0	

Sample ID: <b>MBLK-G080417-1</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106975</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44209</b>	<b>SW5035</b>	Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1915961</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: Philip Environmental

# ANALYTICAL QC SUMMARY REPORT

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

TestCode: V\_BTEX\_S

Lab Order: 08040620

Report Date: 23-Apr-08

Sample ID: <b>MBLK-G080417-1</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>4/17/2008</b>	RunNo: <b>106975</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44209</b>	<b>SW5035</b>	Analysis Date: <b>4/17/2008</b>	SeqNo: <b>1915961</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.2		50.00		86.4	61	128				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.5	78.2	117				
Surr: Dibromofluoromethane	47.4		50.00		94.8	66.6	130				
Surr: Toluene-d8	49.0		50.00		98.0	80.1	122				

ENVIRONMENTAL TESTING LABORATORY

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

**Client:** Philip Environmental

## RECEIVING CHECK LIST

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

**Lab Order:** 08040620

**Report Date:** 23-Apr-08

Carrier: Rachael Husen

Received By: EC

Completed by:



On:

16-Apr-08

Erin Clarke

Reviewed by:



On:

16-Apr-08

Elizabeth A. Hurley

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	4.4
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  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

08040620

COC Serial No. **B** 08647

Project Name: Amigan IP (Campain) Project Mgr.: Derek Ingram  
Project Number: 62403053 Cost Code: 624501  
Sampler(s): L. Hoosier / R. Husin

Laboratory Name: Telelab  
Location: Collinsville IL

Sample Number and (depth)	Date	Time	Matrix					Total Number of Containers
			Soil	Water	Air	Wipes	Other *	
B-837 (0.6'-2.0')	4-14	0955	X					10
B-837 (9'-10')	4-14	0955	X					9
B-837 (12'-13')	4-14	1045	X					5
B-800 (2'-3')	4-14	1215	X				X	5
B-800 (9'-10')	4-14	1240	X				X	5
B-800 (11.5'-12.5')	4-14	1300	X				X	5
B-839 (2.0'-3.0')	4-14	1725	X				X	6
B-839 (6.0'-7.0')	4-14	1730	X				X	6
B-839 (16.0'-17.0')	4-14	1812	X				X	5

Analyses by Method Name and Number	Total Number of Containers	Matrix		Total Number of Containers	Comments (Field PID)	Lab ID #'s
		Soil	Water			
BTK 826CB	X			X	08040620	-001
PHH 8270SWS	X			X		
Metals *	X			X		
Chlordane 9014	X			X		
Dib. D. 2014	X			X		
PH 9045C	X			X		

Laboratory Temperature upon Receipt  
4.4°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<sub>3</sub>)  
 Cyanide ..... Sodium hydroxide (NaOH)  
 Other (Specify) .....

**Lab Directives:**  Rush  5 Days  Other  
Requested TAT: \_\_\_\_\_  
Fax and/or Mail Results to: Derek Ingram  STD  
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: Michael Husin  
Date: 4/14/08 Time: 1000

**Received by:**  
Signature: [Signature]  
Date: 4/14/08 Time: 1000



# 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** 08648

08040620

Project Name: AnchorUP Campaign Project Mgr.: Derek Ingram

Project Number: 02H00053 Cost Code: 024501

Sampler(s): L. Hodson / R. Huson

Laboratory Name: TK Lab

Location: Collinsville, IL

Sample Number and (depth) Date Time

B-802 (2.0-3.0')	4/15	0850	X
B-802 (8.5-10.0')	4/15	0915	X
B-802 (14.5-15.5')	4/15	0950	X
B-802 (25'-26')	4/15	1020	X
B-840 (1'-2')	4/15	1050	X
B-840 (7'-8')	4/15	1115	X
B-840 (18'-19')	4/15	1145	X

Total Number of Containers	
PAH 8270Sims	X
Metals *	X
Cyanide	X
for D2974-87	X
PH 90450	X
TCLP Benzene	X

Analyses by Method Name and Number	Comments (Field PID)	Lab ID #'s
BTEX 8220R		
PAH 8270Sims		
Metals *		
Cyanide		
for D2974-87		
PH 90450		
TCLP Benzene		

Laboratory Temperature upon Receipt  
4.4 ice

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<sub>3</sub>)
  - Metals ..... Nitric acid (NaOH)
  - Cyanide ..... Sodium hydroxide
  - Other (Specify) .....

Lab Directives:

- Requested TAT:  Rush  5 Days  STD  Other
- Fax and/or Mail Results to: Derek 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: Richard Huson Date: 4/16/08 Time: 1000

Received by:

Signature: [Signature] Date: 4/16/08 Time: 1000