

May 16, 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: 08050439

Dear Derek Ingram:

TEKLAB, INC received 2 samples on 4/4/2008 5:30:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

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

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

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

Lab Order: 08050439

Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050439-001	B832 (2-3 ft)	1	4/4/2008 8:53:00 AM
08050439-002	B832 (7-8 ft)	1	4/4/2008 9:09:00 AM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

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

LabOrder: 08050439

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

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

Additional analysis requested to WO #08040238. Analysis requested outside of hold time for pH, total cyanide, and amenable cyanide.

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

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050439
Lab ID: 08050439-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B832 (2-3 ft)
Collection Date: 4/4/2008 8:53:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.31		4.16	mg/Kg-dry	1	5/14/2008 4:49:34 PM	LAL
Chromium	NELAP	0.93		17.0	mg/Kg-dry	1	5/14/2008 4:49:34 PM	LAL
Lead	NELAP	3.70		74.2	mg/Kg-dry	1	5/13/2008 11:05:30 PM	LAL
<u>SW-846 9010B, 9014</u>								
Cyanide	NELAP	0.65	H	7.52	mg/Kg-dry	1	5/13/2008	AET
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.65	H	Interference	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

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

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050439
Lab ID: 08050439-002
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B832 (7-8 ft)
Collection Date: 4/4/2008 9:09:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		5.99	mg/Kg-dry	1	5/14/2008 4:56:21 PM	LAL
Chromium	NELAP	1.00		25.3	mg/Kg-dry	1	5/14/2008 4:56:21 PM	LAL
Lead	NELAP	4.00		17.8	mg/Kg-dry	1	5/13/2008 11:12:19 PM	LAL
<u>SW-846 9010B, 9014</u>								
Cyanide	NELAP	0.64	H	< 0.64	mg/Kg-dry	1	5/13/2008	AET
<u>SW-846 9014A</u>								
Cyanide, Amenable to Chlorination		0.64	H	Interference	mg/Kg-dry	1	5/14/2008	AET
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00	H	7.80		1	5/13/2008 1:52:00 PM	KNL

Sample Narrative

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: 08050439

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050439-001A	B832 (2-3 ft)	4/4/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050439-002A	B832 (7-8 ft)			SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
				SW-846 9045C		5/13/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

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

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

Client: Philip Environmental

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

Lab Order: 08050439

Report Date: 16-May-08

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID: MB-R108067	SampType: MBLK	Units: mg/Kg	Prep Date: 5/12/2008	RunNo: 108067							
Client ID: ZZZZZZ	Batch ID: 44826	SW9010	Analysis Date: 5/13/2008	SeqNo: 1945262							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.01	0.01									

Sample ID: LCS-R108067	SampType: LCS	Units: mg/Kg	Prep Date: 5/12/2008	RunNo: 108067							
Client ID: ZZZZZZ	Batch ID: 44826	SW9010	Analysis Date: 5/13/2008	SeqNo: 1945263							
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	94.1	85	115				

Sample ID: LCSD-R108067	SampType: LCSD	Units: mg/Kg	Prep Date: 5/12/2008	RunNo: 108067							
Client ID: ZZZZZZ	Batch ID: 44826	SW9010	Analysis Date: 5/13/2008	SeqNo: 1945264							
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	99.7	85	115	0.1881	5.84	15	

Sample ID: 08050439-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/12/2008	RunNo: 108067							
Client ID: B832 (7-8 ft)MS	Batch ID: 44826	SW9010	Analysis Date: 5/13/2008	SeqNo: 1945271							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	5.53	0.61	6.135	0	90.2	80	120				H

Sample ID: 08050439-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/12/2008	RunNo: 108067							
Client ID: B832 (7-8 ft)MSD	Batch ID: 44826	SW9010	Analysis Date: 5/13/2008	SeqNo: 1945272							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	5.66	0.61	6.135	0	92.3	80	120	5.533	2.35	20	H

Client: Philip Environmental

ANALYTICAL QC SUMMARY REPORT

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

TestCode: L_PH_S_M

Lab Order: 08050439

Report Date: 16-May-08

Sample ID: LCS-R108062	SampType: LCS	Units:	Prep Date:	RunNo: 108062							
Client ID: ZZZZZZ	Batch ID: R108062		Analysis Date: 5/13/2008	SeqNo: 1945128							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1:1)	7.00	1.00	7.000	0	100	99.1	100.9				

Sample ID: 08050439-002ADUP	SampType: DUP	Units:	Prep Date:	RunNo: 108062							
Client ID: B832 (7-8 ft)DUP	Batch ID: R108062		Analysis Date: 5/13/2008	SeqNo: 1945129							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1:1)	7.63	1.00						7.800	2.20	10	H

Client: Philip Environmental

ANALYTICAL QC SUMMARY REPORT

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

TestCode: M_SOLIDS_ICP

Lab Order: 08050439

Report Date: 16-May-08

Sample ID: MB-44806	SampType: MBLK	Units: mg/Kg-dry				Prep Date: 5/13/2008	RunNo: 108079				
Client ID: ZZZZZZ	Batch ID: 44806	SOP 3032				Analysis Date: 5/13/2008	SeqNo: 1945559				
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				
Lead	< 4.00	4.00	4.000	0	0	-100	100				

Sample ID: LCS-44806	SampType: LCS	Units: mg/Kg-dry				Prep Date: 5/13/2008	RunNo: 108079				
Client ID: ZZZZZZ	Batch ID: 44806	SOP 3032				Analysis Date: 5/13/2008	SeqNo: 1945560				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	192	2.50	200.0	0	96.2	85	115				
Lead	49.7	4.00	50.00	0	99.4	85	115				

Sample ID: 08050439-002AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/13/2008	RunNo: 108079				
Client ID: B832 (7-8 ft)MS	Batch ID: 44806	SOP 3032				Analysis Date: 5/13/2008	SeqNo: 1945573				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	64.9	4.00	50.00	17.75	94.3	75	125				
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Sample ID: 08050439-002AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 5/13/2008	RunNo: 108079				
Client ID: B832 (7-8 ft)MSD	Batch ID: 44806	SOP 3032				Analysis Date: 5/13/2008	SeqNo: 1945574				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	63.9	4.00	50.00	17.75	92.2	75	125	64.92	1.65	20	
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Sample ID: MB-44806	SampType: MBLK	Units: mg/Kg-dry				Prep Date: 5/13/2008	RunNo: 108118				
Client ID: ZZZZZZ	Batch ID: 44806	SOP 3032				Analysis Date: 5/14/2008	SeqNo: 1947235				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	0.64	1.00	1.000	0	64.0	-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: 08050439

Report Date: 16-May-08

Sample ID: LCS-44806	SampType: LCS	Units: mg/Kg-dry	Prep Date: 5/13/2008	RunNo: 108118							
Client ID: ZZZZZZ	Batch ID: 44806	SOP 3032	Analysis Date: 5/14/2008	SeqNo: 1947236							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	19.7	1.00	20.00	0	98.6	85	115				

Sample ID: 08050439-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/13/2008	RunNo: 108118							
Client ID: B832 (7-8 ft)MS	Batch ID: 44806	SOP 3032	Analysis Date: 5/14/2008	SeqNo: 1947250							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	191	2.50	200.0	5.990	92.7	75	125				
Chromium	44.9	1.00	20.00	25.34	97.7	75	125				

Sample ID: 08050439-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/13/2008	RunNo: 108118							
Client ID: B832 (7-8 ft)MSD	Batch ID: 44806	SOP 3032	Analysis Date: 5/14/2008	SeqNo: 1947251							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	196	2.50	200.0	5.990	94.8	75	125	191.3	2.17	20	
Chromium	45.2	1.00	20.00	25.34	99.4	75	125	44.87	0.755	20	

08050439

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050439

12-May-08

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL: (618) 344-1004
FAX: (618) 344-1005

Client:

Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL: (618) 281-7173
FAX: (618) 281-5120

Project: A831-735002-012901-225/I

Sample ID	ClientSampleID	Matrix	Date Collected	Bottle	Requested Tests		
					SW6010B	SW9014	SW9014 (A) SW9045 C
08050439-001	B832 (2-3 ft)	Solid	4/4/2008 8:53:00 AM	A	A	A	
08050439-002	B832 (7-8 ft)	Solid	4/4/2008 9:09:00 AM	A	A	A	

Comments: data in excel. Additional analysis requested on WO# 08040238 per Leslie Hoosier. EAH 5/12/08

Relinquished by: _____	Date/Time _____
Relinquished by: _____	Date/Time _____
Relinquished by: _____	Date/Time _____

Received by: *[Signature]*

Received by: _____

Received by: _____

Date/Time: 5/12/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Teclar B-Brass P-Plastic OT-Other