

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

January 13, 2014

Weaver Boos
35 E. Wacker Drive, Suite 1250
Chicago, IL 60602
Telephone: (312) 922-1030
Fax: (312) 922-0201

RE: 3682-300-07, Pet Coke and Coal Study

STAT Project No 13110831

Dear Paul Gruca:

STAT Analysis received 42 samples for the referenced project on 11/27/2013 7:53:00 PM. The analytical results are presented in the following report.

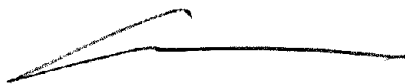
This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110831

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110831-001A	100		11/27/2013 7:09:00 AM	11/27/2013
13110831-001B	100		11/27/2013 7:09:00 AM	11/27/2013
13110831-002A	100/0-0.5'		11/27/2013 7:09:00 AM	11/26/2013
13110831-003A	32		11/27/2013 7:30:00 AM	11/27/2013
13110831-003B	32		11/27/2013 7:30:00 AM	11/27/2013
13110831-004A	32/0-0.5'		11/27/2013 7:30:00 AM	11/26/2013
13110831-005A	1		11/27/2013 7:57:00 AM	11/27/2013
13110831-005B	1		11/27/2013 7:57:00 AM	11/27/2013
13110831-006A	1/0-0.5'		11/27/2013 7:57:00 AM	11/26/2013
13110831-007A	2		11/27/2013 8:25:00 AM	11/27/2013
13110831-007B	2		11/27/2013 8:25:00 AM	11/27/2013
13110831-008A	2/0-0.5'		11/27/2013 8:25:00 AM	11/26/2013
13110831-009A	99A		11/27/2013 8:48:00 AM	11/27/2013
13110831-009B	99A		11/27/2013 8:48:00 AM	11/27/2013
13110831-010A	99A/0-0.5'		11/27/2013 8:48:00 AM	11/26/2013
13110831-011A	3		11/27/2013 9:10:00 AM	11/27/2013
13110831-011B	3		11/27/2013 9:10:00 AM	11/27/2013
13110831-012A	3/0-0.5'		11/27/2013 9:10:00 AM	11/27/2013
13110831-013A	12		11/27/2013 9:45:00 AM	11/27/2013
13110831-013B	12		11/27/2013 9:45:00 AM	11/27/2013
13110831-014A	12/0-0.5'		11/27/2013 9:45:00 AM	11/27/2013
13110831-015A	21		11/27/2013 10:10:00 AM	11/27/2013
13110831-015B	21		11/27/2013 10:10:00 AM	11/27/2013
13110831-016A	21/0-0.5'		11/27/2013 10:10:00 AM	11/27/2013
13110831-017A	29		11/27/2013 10:40:00 AM	11/27/2013
13110831-017B	29		11/27/2013 10:40:00 AM	11/27/2013
13110831-018A	29/0-0.5'		11/27/2013 10:40:00 AM	11/27/2013
13110831-019A	37		11/27/2013 10:52:00 AM	11/27/2013
13110831-019B	37		11/27/2013 10:52:00 AM	11/27/2013
13110831-020A	37/0-0.5'		11/27/2013 10:52:00 AM	11/27/2013
13110831-021A	31		11/27/2013 11:10:00 AM	11/27/2013
13110831-021B	31		11/27/2013 11:10:00 AM	11/27/2013
13110831-022A	31/0-0.5'		11/27/2013 11:10:00 AM	11/27/2013
13110831-023A	DUP-3		11/27/2013	11/27/2013
13110831-023B	DUP-3		11/27/2013	11/27/2013
13110831-024A	DUP-3/0-0.5'		11/27/2013	11/27/2013
13110831-025A	Field Blank-2		11/27/2013 9:10:00 AM	11/27/2013
13110831-025B	Field Blank-2		11/27/2013 9:10:00 AM	11/27/2013

Client: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110831

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110831-026A	Field Blank-3		11/27/2013 1:50:00 PM	11/27/2013
13110831-026B	Field Blank-3		11/27/2013 1:50:00 PM	11/27/2013
13110831-027A	88		11/27/2013 12:45:00 PM	11/27/2013
13110831-027B	88		11/27/2013 12:45:00 PM	11/27/2013
13110831-028A	88/0-0.5'		11/27/2013 12:50:00 PM	11/27/2013
13110831-029A	6		11/27/2013 1:20:00 PM	11/27/2013
13110831-029B	6		11/27/2013 1:20:00 PM	11/27/2013
13110831-030A	6/0-0.5'		11/27/2013 1:25:00 PM	11/27/2013
13110831-031A	18		11/27/2013 1:40:00 PM	11/27/2013
13110831-031B	18		11/27/2013 1:40:00 PM	11/27/2013
13110831-032A	18/0-0.5'		11/27/2013 1:45:00 PM	11/27/2013
13110831-033A	43		11/27/2013 2:10:00 PM	11/27/2013
13110831-033B	43		11/27/2013 2:10:00 PM	11/27/2013
13110831-034A	43/0-0.5'		11/27/2013 2:15:00 PM	11/27/2013
13110831-035A	98		11/27/2013 2:25:00 PM	11/27/2013
13110831-035B	98		11/27/2013 2:25:00 PM	11/27/2013
13110831-036A	98/0-0.5'		11/27/2013 2:30:00 PM	11/27/2013
13110831-037A	114		11/27/2013 3:40:00 PM	11/27/2013
13110831-037B	114		11/27/2013 3:40:00 PM	11/27/2013
13110831-038A	114/0-0.5'		11/27/2013 3:45:00 PM	11/27/2013
13110831-039A	118		11/27/2013 4:10:00 PM	11/27/2013
13110831-039B	118		11/27/2013 4:10:00 PM	11/27/2013
13110831-040A	118/0-0.5'		11/27/2013 4:15:00 PM	11/27/2013
13110831-041A	113		11/27/2013 4:40:00 PM	11/27/2013
13110831-041B	113		11/27/2013 4:40:00 PM	11/27/2013
13110831-042A	113/0-0.5'		11/27/2013 4:45:00 PM	11/27/2013

CLIENT: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110831

CASE NARRATIVE

The Metals Wipe LCS/LCSD (preparation batch 73497) had the following outside control limits:

Antimony: 152%/145% (LCS/LCSD) recovery (QC limits 80-120%)

Potassium: 122%/108% (LCS/LCSD) recovery (QC limits 80-120%)

Tin: 68%/78% (LCS/LCSD) recovery (QC limits 80-120%)

The Metals Wipe LCS/LCSD (preparation batch 73498) had the following outside control limits:

Antimony: 148%/154% (LCS/LCSD) recovery (QC limits 80-120%)

Potassium: 79.9%/79% (LCS/LCSD) recovery (QC limits 80-120%)

Tin: 79%/83% (LCS/LCSD) recovery (QC limits 80-120%)

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	100
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:09:00 AM
Lab ID:	13110831-001A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
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Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	100
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:09:00 AM
Lab ID:	13110831-001B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	21	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	510	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	120	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	13	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	89	50		µg/wipe	10	11/29/2013

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 100/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:09:00 AM
Lab ID: 13110831-002A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.064	0.02		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7500	230		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/3/2013
Arsenic	3.6	1.1		mg/Kg-dry	10	12/3/2013
Barium	120	11		mg/Kg-dry	100	12/3/2013
Cadmium	1.3	0.56		mg/Kg-dry	10	12/3/2013
Calcium	93000	680		mg/Kg-dry	100	12/3/2013
Chromium	67	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	3.4	1.1		mg/Kg-dry	10	12/3/2013
Copper	44	2.8		mg/Kg-dry	10	12/3/2013
Iron	24000	340		mg/Kg-dry	100	12/3/2013
Lead	160	0.56		mg/Kg-dry	10	12/3/2013
Manganese	2100	11		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	56		mg/Kg-dry	100	12/3/2013
Nickel	22	1.1		mg/Kg-dry	10	12/3/2013
Potassium	1100	340		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	8.6	5.6	*	mg/Kg-dry	10	12/3/2013
Titanium	280	2.8	*	mg/Kg-dry	10	12/3/2013
Vanadium	30	1.1		mg/Kg-dry	10	12/3/2013
Zinc	360	5.6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.39		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.39		mg/Kg-dry	1	12/3/2013
Anthracene	0.84	0.39		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	2.9	0.39		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	3.1	0.39		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	3	0.39		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	3.3	0.39		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	2.2	0.39		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	2		mg/Kg-dry	1	12/3/2013
Chrysene	3.3	0.39		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	1.5	0.39		mg/Kg-dry	1	12/3/2013
Fluoranthene	6	0.39		mg/Kg-dry	1	12/3/2013

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Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	100/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:09:00 AM
Lab ID:	13110831-002A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.39		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	2	0.39		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.39	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.39		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.39		mg/Kg-dry	1	12/3/2013
Phenanthrene	3.5	0.39		mg/Kg-dry	1	12/3/2013
Pyrene	5.6	0.39		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	15.4	0.2	*	wt%	1	12/2/2013

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	32
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:30:00 AM
Lab ID:	13110831-003A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:30:00 AM
Lab ID:	13110831-003B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	ND	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	130	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	71	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 32/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:30:00 AM
Lab ID: 13110831-004A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					
Mercury	0.11	0.019		mg/Kg-dry	1	12/2/2013
						Prep Date: 12/2/2013 Analyst: LB
Metals by ICP/MS	SW6020 (SW3050B)					
Aluminum	6600	230		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/3/2013
Arsenic	9.6	1.1		mg/Kg-dry	10	12/3/2013
Barium	150	11		mg/Kg-dry	100	12/3/2013
Cadmium	3.2	0.56		mg/Kg-dry	10	12/3/2013
Calcium	48000	680		mg/Kg-dry	100	12/3/2013
Chromium	33	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	4.1	1.1		mg/Kg-dry	10	12/3/2013
Copper	56	2.8		mg/Kg-dry	10	12/3/2013
Iron	31000	340		mg/Kg-dry	100	12/3/2013
Lead	420	0.56		mg/Kg-dry	10	12/3/2013
Manganese	1100	1.1		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	56		mg/Kg-dry	100	12/3/2013
Nickel	19	1.1		mg/Kg-dry	10	12/3/2013
Potassium	730	340		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	27	5.6	*	mg/Kg-dry	10	12/3/2013
Titanium	240	2.8	*	mg/Kg-dry	10	12/3/2013
Vanadium	22	1.1		mg/Kg-dry	10	12/3/2013
Zinc	900	5.6		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					
Acenaphthene	0.9	0.39		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.39		mg/Kg-dry	1	12/3/2013
Anthracene	1.9	0.39		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	4	0.39		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	3.9	0.39		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	3.1	0.39		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	3.1	0.39		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	2.7	0.39		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	2		mg/Kg-dry	1	12/3/2013
Chrysene	4.3	0.39		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	1.6	0.39		mg/Kg-dry	1	12/3/2013
Fluoranthene	9	0.39		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	HT - Sample received past holding time	E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	32/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:30:00 AM
Lab ID:	13110831-004A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.56	0.39		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	2.4	0.39		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.39	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.39		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.39		mg/Kg-dry	1	12/3/2013
Phenanthrene	7.5	0.39		mg/Kg-dry	1	12/3/2013
Pyrene	8.8	0.39		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	15.7	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 1
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:57:00 AM
Lab ID: 13110831-005A	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	1
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:57:00 AM
Lab ID:	13110831-005B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	5.4	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	290	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	35	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	82	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 1/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:57:00 AM
Lab ID: 13110831-006A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.16	0.025		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	17000	270		mg/Kg-dry	100	12/3/2013
Antimony	3.5	2.7		mg/Kg-dry	10	12/3/2013
Arsenic	15	1.3		mg/Kg-dry	10	12/3/2013
Barium	190	13		mg/Kg-dry	100	12/3/2013
Cadmium	1.5	0.67		mg/Kg-dry	10	12/3/2013
Calcium	61000	800		mg/Kg-dry	100	12/3/2013
Chromium	36	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	9	1.3		mg/Kg-dry	10	12/3/2013
Copper	55	3.3		mg/Kg-dry	10	12/3/2013
Iron	38000	400		mg/Kg-dry	100	12/3/2013
Lead	200	0.67		mg/Kg-dry	10	12/3/2013
Manganese	1100	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	67		mg/Kg-dry	100	12/3/2013
Nickel	31	1.3		mg/Kg-dry	10	12/3/2013
Potassium	2300	400		mg/Kg-dry	100	12/3/2013
Selenium	1.5	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/3/2013
Thallium	1.5	1.3		mg/Kg-dry	10	12/3/2013
Tin	26	6.7	*	mg/Kg-dry	10	12/3/2013
Titanium	310	3.3	*	mg/Kg-dry	10	12/3/2013
Vanadium	32	1.3		mg/Kg-dry	10	12/3/2013
Zinc	240	6.7		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.077	0.044		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.095	0.044		mg/Kg-dry	1	12/3/2013
Anthracene	0.25	0.044		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.97	0.044		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1	0.044		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1	0.044		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.84	0.044		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.88	0.044		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/3/2013
Chrysene	1.1	0.044		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.43	0.044		mg/Kg-dry	1	12/3/2013
Fluoranthene	2	0.044		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	1/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 7:57:00 AM
Lab ID:	13110831-006A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.067	0.044		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.73	0.044		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.044	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.044		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.044		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.86	0.044		mg/Kg-dry	1	12/3/2013
Pyrene	1.7	0.044		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	25.0	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	2
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:25:00 AM
Lab ID:	13110831-007A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	2
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:25:00 AM
Lab ID:	13110831-007B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	37	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	470	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	74	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	5.1	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	75	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 2/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:25:00 AM
Lab ID: 13110831-008A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.065	0.023		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	16000	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/4/2013
Arsenic	8.2	1.3		mg/Kg-dry	10	12/3/2013
Barium	130	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	1.2	0.66		mg/Kg-dry	10	12/4/2013
Calcium	29000	790		mg/Kg-dry	100	12/3/2013
Chromium	24	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	9.7	1.3		mg/Kg-dry	10	12/3/2013
Copper	38	3.3		mg/Kg-dry	10	12/3/2013
Iron	29000	390		mg/Kg-dry	100	12/3/2013
Lead	85	0.66		mg/Kg-dry	10	12/3/2013
Manganese	1100	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.6		mg/Kg-dry	10	12/4/2013
Nickel	32	1.3		mg/Kg-dry	10	12/3/2013
Potassium	3000	390		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	ND	6.6	*	mg/Kg-dry	10	12/3/2013
Titanium	110	3.3	*	mg/Kg-dry	10	12/3/2013
Vanadium	31	1.3		mg/Kg-dry	10	12/3/2013
Zinc	150	6.6		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.045		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.045		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.045		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.071	0.045		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.086	0.045		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.099	0.045		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.077	0.045		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.058	0.045		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/3/2013
Chrysene	0.089	0.045		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.13	0.045		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 2/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:25:00 AM
Lab ID: 13110831-008A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.045		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.067	0.045		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.045	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.045		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.045		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.048	0.045		mg/Kg-dry	1	12/3/2013
Pyrene	0.13	0.045		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	26.3	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	99A
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:48:00 AM
Lab ID:	13110831-009A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	99A
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:48:00 AM
Lab ID:	13110831-009B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	59	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	4	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	1000	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	13	2.5		µg/wipe	10	11/29/2013
Iron	190	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	14	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	85	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 99A/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:48:00 AM
Lab ID: 13110831-010A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.18	0.027		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	8800	290		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.9		mg/Kg-dry	10	12/4/2013
Arsenic	5.6	1.4		mg/Kg-dry	10	12/3/2013
Barium	120	1.4		mg/Kg-dry	10	12/4/2013
Cadmium	0.99	0.71		mg/Kg-dry	10	12/4/2013
Calcium	70000	860		mg/Kg-dry	100	12/3/2013
Chromium	23	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	4.4	1.4		mg/Kg-dry	10	12/3/2013
Copper	33	3.6		mg/Kg-dry	10	12/3/2013
Iron	19000	430		mg/Kg-dry	100	12/3/2013
Lead	180	0.71		mg/Kg-dry	10	12/3/2013
Manganese	610	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.1		mg/Kg-dry	10	12/4/2013
Nickel	15	1.4		mg/Kg-dry	10	12/3/2013
Potassium	1300	430		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	49	7.1	*	mg/Kg-dry	10	12/3/2013
Titanium	220	3.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	18	1.4		mg/Kg-dry	10	12/3/2013
Zinc	190	7.1		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.046		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.046		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.046		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.19	0.046		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.31	0.046		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.31	0.046		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.33	0.046		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.25	0.046		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/3/2013
Chrysene	0.25	0.046		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.15	0.046		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.42	0.046		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	99A/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:48:00 AM
Lab ID:	13110831-010A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.046		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.26	0.046		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.046	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.15	0.046		mg/Kg-dry	1	12/3/2013
Pyrene	0.36	0.046		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	28.5	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
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	HT - Sample received past holding time	E - Value above quantitation range
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	3
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 9:10:00 AM
Lab ID:	13110831-011A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	3
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 9:10:00 AM
Lab ID:	13110831-011B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/30/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/29/2013	Analyst: JG
Aluminum	10	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	18	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	210	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	3.5	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	170	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 3/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 9:10:00 AM
Lab ID: 13110831-012A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.065	0.024		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	14000	290		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.9		mg/Kg-dry	10	12/4/2013
Arsenic	27	1.5		mg/Kg-dry	10	12/3/2013
Barium	120	1.5		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.73		mg/Kg-dry	10	12/4/2013
Calcium	76000	870		mg/Kg-dry	100	12/3/2013
Chromium	33	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	6.8	1.5		mg/Kg-dry	10	12/3/2013
Copper	38	3.6		mg/Kg-dry	10	12/3/2013
Iron	21000	440		mg/Kg-dry	100	12/3/2013
Lead	46	0.73		mg/Kg-dry	10	12/3/2013
Manganese	700	1.5		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.3		mg/Kg-dry	10	12/4/2013
Nickel	16	1.5		mg/Kg-dry	10	12/3/2013
Potassium	2300	440		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	ND	7.3	*	mg/Kg-dry	10	12/3/2013
Titanium	160	3.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	23	1.5		mg/Kg-dry	10	12/3/2013
Zinc	130	7.3		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.055	0.046		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.046		mg/Kg-dry	1	12/3/2013
Anthracene	0.16	0.046		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.62	0.046		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.67	0.046		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.71	0.046		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.56	0.046		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.6	0.046		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/3/2013
Chrysene	0.77	0.046		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.26	0.046		mg/Kg-dry	1	12/3/2013
Fluoranthene	1.8	0.046		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	3/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 9:10:00 AM
Lab ID:	13110831-012A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 12/2/2013		Analyst: DM
Fluorene	0.063	0.046		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.49	0.046		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.046	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.1	0.046		mg/Kg-dry	1	12/3/2013
Pyrene	1.4	0.046		mg/Kg-dry	1	12/3/2013
Percent Moisture		D2974		Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	28.1	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 12
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 9:45:00 AM
Lab ID: 13110831-013A	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 12

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 9:45:00 AM

Lab ID: 13110831-013B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A		Prep Date: 11/30/2013		Analyst: LB	
Mercury	ND	0.018		µg/wipe	1	11/29/2013

Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013		Analyst: JG	
Aluminum	3	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	130	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	76	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 12/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 9:45:00 AM
Lab ID: 13110831-014A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.083	0.031		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7800	310		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.1		mg/Kg-dry	10	12/4/2013
Arsenic	6.7	1.5		mg/Kg-dry	10	12/3/2013
Barium	120	1.5		mg/Kg-dry	10	12/4/2013
Cadmium	1.9	0.77		mg/Kg-dry	10	12/4/2013
Calcium	54000	920		mg/Kg-dry	100	12/3/2013
Chromium	33	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	4.3	1.5		mg/Kg-dry	10	12/3/2013
Copper	33	3.8		mg/Kg-dry	10	12/3/2013
Iron	21000	460		mg/Kg-dry	100	12/3/2013
Lead	350	0.77		mg/Kg-dry	10	12/3/2013
Manganese	1000	1.5		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.7		mg/Kg-dry	10	12/4/2013
Nickel	15	1.5		mg/Kg-dry	10	12/3/2013
Potassium	1000	460		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	11	7.7	*	mg/Kg-dry	10	12/3/2013
Titanium	250	3.8	*	mg/Kg-dry	10	12/3/2013
Vanadium	21	1.5		mg/Kg-dry	10	12/3/2013
Zinc	290	7.7		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	0.17	0.051		mg/Kg-dry	1	12/4/2013
Acenaphthylene	0.96	0.051		mg/Kg-dry	1	12/4/2013
Anthracene	1.2	0.051		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	5.4	0.051		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	6	0.051		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	6.1	0.26		mg/Kg-dry	5	12/5/2013
Benzo(g,h,i)perylene	4.8	0.051		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	5.6	0.051		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.26		mg/Kg-dry	1	12/4/2013
Chrysene	6.3	0.26		mg/Kg-dry	5	12/5/2013
Dibenz(a,h)anthracene	1.3	0.051		mg/Kg-dry	1	12/4/2013
Fluoranthene	13	0.26		mg/Kg-dry	5	12/5/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 12/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 9:45:00 AM
Lab ID: 13110831-014A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	0.4	0.051		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	4.3	0.051		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.051	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.051		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.051		mg/Kg-dry	1	12/4/2013
Phenanthrene	5.7	0.051		mg/Kg-dry	1	12/4/2013
Pyrene	9.9	0.26		mg/Kg-dry	5	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	36.1	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 21

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 10:10:00 AM

Lab ID: 13110831-015A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	21
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:10:00 AM
Lab ID:	13110831-015B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	58	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	660	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	120	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	8.4	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	81	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 21/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 10:10:00 AM

Lab ID: 13110831-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.081	0.024		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7900	280		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.8		mg/Kg-dry	10	12/4/2013
Arsenic	4.8	1.4		mg/Kg-dry	10	12/3/2013
Barium	110	1.4		mg/Kg-dry	10	12/4/2013
Cadmium	0.9	0.7		mg/Kg-dry	10	12/4/2013
Calcium	15000	830		mg/Kg-dry	100	12/3/2013
Chromium	27	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	7.7	1.4		mg/Kg-dry	10	12/3/2013
Copper	38	3.5		mg/Kg-dry	10	12/3/2013
Iron	19000	420		mg/Kg-dry	100	12/3/2013
Lead	88	0.7		mg/Kg-dry	10	12/3/2013
Manganese	780	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7		mg/Kg-dry	10	12/4/2013
Nickel	22	1.4		mg/Kg-dry	10	12/3/2013
Potassium	1900	420		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	ND	7	*	mg/Kg-dry	10	12/3/2013
Titanium	120	3.5	*	mg/Kg-dry	10	12/3/2013
Vanadium	22	1.4		mg/Kg-dry	10	12/3/2013
Zinc	230	7		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.043		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.043		mg/Kg-dry	1	12/4/2013
Anthracene	0.047	0.043		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.21	0.043		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.27	0.043		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.26	0.043		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.28	0.043		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.24	0.043		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/4/2013
Chrysene	0.28	0.043		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.066	0.043		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.52	0.043		mg/Kg-dry	1	12/4/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 21/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 10:10:00 AM
Lab ID: 13110831-016A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.043		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.21	0.043		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.043	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.043		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.043		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.2	0.043		mg/Kg-dry	1	12/4/2013
Pyrene	0.43	0.043		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	23.8	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 29

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 10:40:00 AM

Lab ID: 13110831-017A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	29
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:40:00 AM
Lab ID:	13110831-017B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	ND	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	140	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	69	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 29/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 10:40:00 AM
Lab ID: 13110831-018A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.27	0.025		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	300		mg/Kg-dry	100	12/3/2013
Antimony	ND	3		mg/Kg-dry	10	12/4/2013
Arsenic	15	1.5		mg/Kg-dry	10	12/3/2013
Barium	130	1.5		mg/Kg-dry	10	12/4/2013
Cadmium	1.2	0.75		mg/Kg-dry	10	12/4/2013
Calcium	36000	900		mg/Kg-dry	100	12/3/2013
Chromium	46	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	6.1	1.5		mg/Kg-dry	10	12/3/2013
Copper	28	3.7		mg/Kg-dry	10	12/3/2013
Iron	22000	450		mg/Kg-dry	100	12/3/2013
Lead	160	0.75		mg/Kg-dry	10	12/3/2013
Manganese	1500	1.5		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.5		mg/Kg-dry	10	12/4/2013
Nickel	16	1.5		mg/Kg-dry	10	12/3/2013
Potassium	1100	450		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	ND	7.5	*	mg/Kg-dry	10	12/3/2013
Titanium	230	3.7	*	mg/Kg-dry	10	12/3/2013
Vanadium	30	1.5		mg/Kg-dry	10	12/3/2013
Zinc	230	7.5		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	0.05	0.047		mg/Kg-dry	1	12/4/2013
Acenaphthylene	0.11	0.047		mg/Kg-dry	1	12/4/2013
Anthracene	0.24	0.047		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	1	0.047		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	1.1	0.047		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	1.2	0.047		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.98	0.047		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	1.1	0.047		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/4/2013
Chrysene	1.2	0.047		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.27	0.047		mg/Kg-dry	1	12/4/2013
Fluoranthene	2.2	0.047		mg/Kg-dry	1	12/4/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	29/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:40:00 AM
Lab ID:	13110831-018A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	0.064	0.047		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.87	0.047		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.047	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.047		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.047		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.86	0.047		mg/Kg-dry	1	12/4/2013
Pyrene	1.9	0.047		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	29.7	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 37

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 10:52:00 AM

Lab ID: 13110831-019A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 37
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 10:52:00 AM
Lab ID: 13110831-019B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	160	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	3.3	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	1100	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	4.6	2.5		µg/wipe	10	11/29/2013
Iron	430	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	22	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	150	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	6.7	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	170	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 37/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 10:52:00 AM
Lab ID: 13110831-020A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.047	0.023		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	9300	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/3/2013
Arsenic	6.3	1.2		mg/Kg-dry	10	12/3/2013
Barium	82	12		mg/Kg-dry	100	12/3/2013
Cadmium	ND	0.61		mg/Kg-dry	10	12/3/2013
Calcium	37000	730		mg/Kg-dry	100	12/3/2013
Chromium	19	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	7.2	1.2		mg/Kg-dry	10	12/3/2013
Copper	22	3		mg/Kg-dry	10	12/3/2013
Iron	20000	370		mg/Kg-dry	100	12/3/2013
Lead	44	0.61		mg/Kg-dry	10	12/3/2013
Manganese	470	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	61		mg/Kg-dry	100	12/3/2013
Nickel	18	1.2		mg/Kg-dry	10	12/3/2013
Potassium	1500	370		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6.1	*	mg/Kg-dry	10	12/3/2013
Titanium	94	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	22	1.2		mg/Kg-dry	10	12/3/2013
Zinc	180	6.1		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.041		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.16	0.041		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.14	0.041		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.17	0.041		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.17	0.041		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.18	0.041		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/4/2013
Chrysene	0.19	0.041		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.049	0.041		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.31	0.041		mg/Kg-dry	1	12/4/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 37/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 10:52:00 AM
Lab ID: 13110831-020A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.041		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.14	0.041		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.11	0.041		mg/Kg-dry	1	12/4/2013
Pyrene	0.26	0.041		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	20.6	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	31
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:10:00 AM
Lab ID:	13110831-021A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	31
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:10:00 AM
Lab ID:	13110831-021B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	56	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	430	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	4	2.5		µg/wipe	10	11/29/2013
Iron	210	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	9.6	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	2.6	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	170	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 31/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 11:10:00 AM
Lab ID: 13110831-022A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.074	0.022		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7500	220		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.2		mg/Kg-dry	10	12/4/2013
Arsenic	4.4	1.1		mg/Kg-dry	10	12/3/2013
Barium	240	1.1		mg/Kg-dry	10	12/4/2013
Cadmium	2.2	0.54		mg/Kg-dry	10	12/4/2013
Calcium	92000	650		mg/Kg-dry	100	12/3/2013
Chromium	110	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	6.9	1.1		mg/Kg-dry	10	12/3/2013
Copper	120	2.7		mg/Kg-dry	10	12/3/2013
Iron	39000	330		mg/Kg-dry	100	12/3/2013
Lead	220	0.54		mg/Kg-dry	10	12/3/2013
Manganese	2300	11		mg/Kg-dry	100	12/3/2013
Molybdenum	10	5.4		mg/Kg-dry	10	12/4/2013
Nickel	31	1.1		mg/Kg-dry	10	12/3/2013
Potassium	530	330		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	34	5.4	*	mg/Kg-dry	10	12/3/2013
Titanium	280	2.7	*	mg/Kg-dry	10	12/3/2013
Vanadium	31	1.1		mg/Kg-dry	10	12/3/2013
Zinc	580	5.4		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.038		mg/Kg-dry	1	12/4/2013
Acenaphthylene	0.064	0.038		mg/Kg-dry	1	12/4/2013
Anthracene	0.14	0.038		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.63	0.038		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.87	0.038		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.89	0.038		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	1.3	0.038		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.65	0.038		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	12/4/2013
Chrysene	0.84	0.038		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.25	0.038		mg/Kg-dry	1	12/4/2013
Fluoranthene	1.3	0.038		mg/Kg-dry	1	12/4/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	31/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:10:00 AM
Lab ID:	13110831-022A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.038		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.78	0.038		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	0.041	0.038	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	0.081	0.038		mg/Kg-dry	1	12/4/2013
Naphthalene	0.053	0.038		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.61	0.038		mg/Kg-dry	1	12/4/2013
Pyrene	1.1	0.038		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	12.3	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: DUP-3

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013

Lab ID: 13110831-023A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: DUP-3

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013

Lab ID: 13110831-023B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/30/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/29/2013	Analyst: JG
Aluminum	60	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	550	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	100	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	7.9	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	77	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: DUP-3/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013

Lab ID: 13110831-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.087	0.028		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	9700	280		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.8		mg/Kg-dry	10	12/4/2013
Arsenic	5	1.4		mg/Kg-dry	10	12/3/2013
Barium	130	1.4		mg/Kg-dry	10	12/4/2013
Cadmium	1.1	0.71		mg/Kg-dry	10	12/4/2013
Calcium	20000	850		mg/Kg-dry	100	12/3/2013
Chromium	30	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	8.3	1.4		mg/Kg-dry	10	12/3/2013
Copper	38	3.6		mg/Kg-dry	10	12/3/2013
Iron	24000	430		mg/Kg-dry	100	12/3/2013
Lead	110	0.71		mg/Kg-dry	10	12/3/2013
Manganese	840	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.1		mg/Kg-dry	10	12/4/2013
Nickel	33	1.4		mg/Kg-dry	10	12/3/2013
Potassium	2400	430		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	ND	7.1	*	mg/Kg-dry	10	12/3/2013
Titanium	110	3.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	23	1.4		mg/Kg-dry	10	12/3/2013
Zinc	230	7.1		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.048		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.048		mg/Kg-dry	1	12/4/2013
Anthracene	0.059	0.048		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.24	0.048		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.32	0.048		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.31	0.048		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.3	0.048		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.28	0.048		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.25		mg/Kg-dry	1	12/4/2013
Chrysene	0.32	0.048		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	ND	0.048		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.6	0.048		mg/Kg-dry	1	12/4/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: DUP-3/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013

Lab ID: 13110831-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/3/2013		Analyst: DM
Fluorene	ND	0.048		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.24	0.048		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.048	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.048		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.048		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.26	0.048		mg/Kg-dry	1	12/4/2013
Pyrene	0.5	0.048		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974			Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	31.1	0.2	*	wt%	1	12/2/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	Field Blank-2
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 9:10:00 AM
Lab ID:	13110831-025A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: Field Blank-2

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 9:10:00 AM

Lab ID: 13110831-025B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	ND	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	160	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	76	50		µg/wipe	10	11/29/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: Field Blank-3

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 1:50:00 PM

Lab ID: 13110831-026A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: Field Blank-3
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 1:50:00 PM
Lab ID: 13110831-026B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	ND	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	240	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	77	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 88

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 12:45:00 PM

Lab ID: 13110831-027A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 88
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 12:45:00 PM
Lab ID: 13110831-027B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/30/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/29/2013	Analyst: JG
Aluminum	9.1	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	300	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	3.1	2.5		µg/wipe	10	11/29/2013
Iron	21	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	160	50		µg/wipe	10	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 88/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 12:50:00 PM

Lab ID: 13110831-028A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.048	0.023		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	290		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.9		mg/Kg-dry	10	12/4/2013
Arsenic	7.4	1.4		mg/Kg-dry	10	12/3/2013
Barium	110	1.4		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.71		mg/Kg-dry	10	12/4/2013
Calcium	12000	860		mg/Kg-dry	100	12/3/2013
Chromium	24	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	6.4	1.4		mg/Kg-dry	10	12/3/2013
Copper	33	3.6		mg/Kg-dry	10	12/3/2013
Iron	20000	430		mg/Kg-dry	100	12/3/2013
Lead	49	0.71		mg/Kg-dry	10	12/3/2013
Manganese	400	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.1		mg/Kg-dry	10	12/4/2013
Nickel	18	1.4		mg/Kg-dry	10	12/3/2013
Potassium	1700	430		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	ND	7.1	*	mg/Kg-dry	10	12/3/2013
Titanium	100	3.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	28	1.4		mg/Kg-dry	10	12/3/2013
Zinc	150	7.1		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.044		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.044		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.044		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.18	0.044		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.22	0.044		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.27	0.044		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.24	0.044		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.17	0.044		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/4/2013
Chrysene	0.22	0.044		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.046	0.044		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.41	0.044		mg/Kg-dry	1	12/4/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	88/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 12:50:00 PM
Lab ID:	13110831-028A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.044		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.18	0.044		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.044	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.044		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.044		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.14	0.044		mg/Kg-dry	1	12/4/2013
Pyrene	0.36	0.044		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	26.0	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	6
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 1:20:00 PM
Lab ID:	13110831-029A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	6
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 1:20:00 PM
Lab ID:	13110831-029B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	27	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	630	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	ND	2.5		µg/wipe	10	11/30/2013
Iron	93	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	5.8	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	160	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	86	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 6/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 1:25:00 PM

Lab ID: 13110831-030A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.072	0.025		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7600	250		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/4/2013
Arsenic	8.2	1.3		mg/Kg-dry	10	12/3/2013
Barium	110	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	1.7	0.63		mg/Kg-dry	10	12/4/2013
Calcium	47000	760		mg/Kg-dry	100	12/4/2013
Chromium	28	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	4.7	1.3		mg/Kg-dry	10	12/3/2013
Copper	39	3.2		mg/Kg-dry	10	12/3/2013
Iron	20000	380		mg/Kg-dry	100	12/4/2013
Lead	150	0.63		mg/Kg-dry	10	12/3/2013
Manganese	1100	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.3		mg/Kg-dry	10	12/4/2013
Nickel	14	1.3		mg/Kg-dry	10	12/3/2013
Potassium	930	380		mg/Kg-dry	100	12/4/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	7.4	6.3	*	mg/Kg-dry	10	12/3/2013
Titanium	210	3.2	*	mg/Kg-dry	10	12/3/2013
Vanadium	19	1.3		mg/Kg-dry	10	12/3/2013
Zinc	300	6.3		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.042		mg/Kg-dry	1	12/4/2013
Anthracene	0.061	0.042		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.22	0.042		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.26	0.042		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.27	0.042		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.25	0.042		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.18	0.042		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/4/2013
Chrysene	0.27	0.042		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.075	0.042		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.42	0.042		mg/Kg-dry	1	12/4/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	6/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 1:25:00 PM
Lab ID:	13110831-030A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.042		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.18	0.042		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.042	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.042		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.042		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.25	0.042		mg/Kg-dry	1	12/4/2013
Pyrene	0.38	0.042		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	22.4	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	18
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 1:40:00 PM
Lab ID:	13110831-031A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	18
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 1:40:00 PM
Lab ID:	13110831-031B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	64	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	420	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	3.6	2.5		µg/wipe	10	11/30/2013
Iron	180	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	13	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	ND	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	160	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 18/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 1:45:00 PM
Lab ID: 13110831-032A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.75	0.027		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	8200	340		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.4		mg/Kg-dry	10	12/4/2013
Arsenic	27	1.7		mg/Kg-dry	10	12/3/2013
Barium	320	1.7		mg/Kg-dry	10	12/4/2013
Cadmium	5.2	0.84		mg/Kg-dry	10	12/4/2013
Calcium	54000	1000		mg/Kg-dry	100	12/3/2013
Chromium	99	1.7		mg/Kg-dry	10	12/3/2013
Cobalt	5.1	1.7		mg/Kg-dry	10	12/3/2013
Copper	89	4.2		mg/Kg-dry	10	12/3/2013
Iron	32000	500		mg/Kg-dry	100	12/3/2013
Lead	660	0.84		mg/Kg-dry	10	12/3/2013
Manganese	1700	1.7		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	8.4		mg/Kg-dry	10	12/4/2013
Nickel	24	1.7		mg/Kg-dry	10	12/3/2013
Potassium	1200	500		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.7		mg/Kg-dry	10	12/3/2013
Silver	ND	1.7		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.7		mg/Kg-dry	10	12/3/2013
Tin	16	8.4	*	mg/Kg-dry	10	12/3/2013
Titanium	260	4.2	*	mg/Kg-dry	10	12/3/2013
Vanadium	32	1.7		mg/Kg-dry	10	12/3/2013
Zinc	650	8.4		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	0.51	0.051		mg/Kg-dry	1	12/4/2013
Acenaphthylene	0.072	0.051		mg/Kg-dry	1	12/4/2013
Anthracene	1	0.051		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	4.4	0.051		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	4.9	0.051		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	4.4	0.051		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	4	0.051		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	4.1	0.051		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.26		mg/Kg-dry	1	12/4/2013
Chrysene	5	0.051		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	1.4	0.051		mg/Kg-dry	1	12/4/2013
Fluoranthene	9.5	0.26		mg/Kg-dry	5	12/5/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 18/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 1:45:00 PM
Lab ID: 13110831-032A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	0.34	0.051		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	3.4	0.051		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	0.11	0.051	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	0.17	0.051		mg/Kg-dry	1	12/4/2013
Naphthalene	0.13	0.051		mg/Kg-dry	1	12/4/2013
Phenanthrene	5.3	0.051		mg/Kg-dry	1	12/4/2013
Pyrene	7.9	0.26		mg/Kg-dry	5	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	36.2	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 43

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 2:10:00 PM

Lab ID: 13110831-033A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	43
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 2:10:00 PM
Lab ID:	13110831-033B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	25	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	340	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	ND	2.5		µg/wipe	10	11/30/2013
Iron	61	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	3.8	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	160	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	3.8	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	76	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 43/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 2:15:00 PM

Lab ID: 13110831-034A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.64	0.024		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	9500	230		mg/Kg-dry	100	12/3/2013
Antimony	2.9	2.3		mg/Kg-dry	10	12/4/2013
Arsenic	8.9	1.1		mg/Kg-dry	10	12/3/2013
Barium	170	1.1		mg/Kg-dry	10	12/4/2013
Cadmium	3.1	0.57		mg/Kg-dry	10	12/4/2013
Calcium	71000	690		mg/Kg-dry	100	12/3/2013
Chromium	92	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	5.4	1.1		mg/Kg-dry	10	12/3/2013
Copper	70	2.9		mg/Kg-dry	10	12/3/2013
Iron	36000	340		mg/Kg-dry	100	12/3/2013
Lead	830	0.57		mg/Kg-dry	10	12/3/2013
Manganese	3300	11		mg/Kg-dry	100	12/3/2013
Molybdenum	8.2	5.7		mg/Kg-dry	10	12/4/2013
Nickel	23	1.1		mg/Kg-dry	10	12/3/2013
Potassium	590	340		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	17	5.7	*	mg/Kg-dry	10	12/3/2013
Titanium	370	2.9	*	mg/Kg-dry	10	12/3/2013
Vanadium	36	1.1		mg/Kg-dry	10	12/3/2013
Zinc	580	5.7		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.41		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.41		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.41		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	1.6	0.41		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	2.1	0.41		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	2.3	0.41		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	2.5	0.41		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	1.7	0.41		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	2.1		mg/Kg-dry	1	12/4/2013
Chrysene	2.2	0.41		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.7	0.41		mg/Kg-dry	1	12/4/2013
Fluoranthene	3	0.41		mg/Kg-dry	1	12/4/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 43/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 2:15:00 PM
Lab ID: 13110831-034A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.41		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	1.8	0.41		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.41	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.41		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.41		mg/Kg-dry	1	12/4/2013
Phenanthrene	1.4	0.41		mg/Kg-dry	1	12/4/2013
Pyrene	2.6	0.41		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	19.2	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	98
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 2:25:00 PM
Lab ID:	13110831-035A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	98
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 2:25:00 PM
Lab ID:	13110831-035B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	17	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	360	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	ND	2.5		µg/wipe	10	11/30/2013
Iron	65	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	3.9	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	180	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	92	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 98/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 2:30:00 PM
Lab ID: 13110831-036A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.13	0.026		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/4/2013
Arsenic	9	1.2		mg/Kg-dry	10	12/3/2013
Barium	140	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	1.9	0.6		mg/Kg-dry	10	12/4/2013
Calcium	43000	720		mg/Kg-dry	100	12/3/2013
Chromium	68	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	6.1	1.2		mg/Kg-dry	10	12/3/2013
Copper	53	3		mg/Kg-dry	10	12/3/2013
Iron	30000	360		mg/Kg-dry	100	12/3/2013
Lead	470	0.6		mg/Kg-dry	10	12/3/2013
Manganese	2600	12		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	6		mg/Kg-dry	10	12/4/2013
Nickel	26	1.2		mg/Kg-dry	10	12/3/2013
Potassium	1700	360		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	1.2	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	8.5	6	*	mg/Kg-dry	10	12/3/2013
Titanium	180	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	34	1.2		mg/Kg-dry	10	12/3/2013
Zinc	470	6		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.43		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.43		mg/Kg-dry	1	12/4/2013
Anthracene	0.47	0.43		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	2.2	0.43		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	2.5	0.43		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	2.6	0.43		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	2.4	0.43		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	1.9	0.43		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	2.2		mg/Kg-dry	1	12/4/2013
Chrysene	2.6	0.43		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.66	0.43		mg/Kg-dry	1	12/4/2013
Fluoranthene	4.8	0.43		mg/Kg-dry	1	12/4/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	98/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 2:30:00 PM
Lab ID:	13110831-036A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.43		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	1.8	0.43		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.43	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.43		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.43		mg/Kg-dry	1	12/4/2013
Phenanthrene	2.4	0.43		mg/Kg-dry	1	12/4/2013
Pyrene	4.1	0.43		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	23.7	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 114

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 3:40:00 PM

Lab ID: 13110831-037A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/30/2013
Acenaphthylene	ND	1		µg/wipe	1	11/30/2013
Anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/30/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/30/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/30/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/30/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/30/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/30/2013
Chrysene	ND	1		µg/wipe	1	11/30/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/30/2013
Fluoranthene	ND	1		µg/wipe	1	11/30/2013
Fluorene	ND	1		µg/wipe	1	11/30/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/30/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/30/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/30/2013
Naphthalene	ND	1		µg/wipe	1	11/30/2013
Phenanthrene	ND	1		µg/wipe	1	11/30/2013
Pyrene	ND	1		µg/wipe	1	11/30/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	114
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 3:40:00 PM
Lab ID:	13110831-037B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/30/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	8.5	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	1500	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	3.4	2.5		µg/wipe	10	11/30/2013
Iron	30	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	ND	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	ND	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	170	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 114/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 3:45:00 PM
Lab ID: 13110831-038A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.057	0.026		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	6200	270		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.7		mg/Kg-dry	10	12/4/2013
Arsenic	5.3	1.3		mg/Kg-dry	10	12/3/2013
Barium	57	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.67		mg/Kg-dry	10	12/4/2013
Calcium	13000	810		mg/Kg-dry	100	12/3/2013
Chromium	18	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	4	1.3		mg/Kg-dry	10	12/3/2013
Copper	24	3.4		mg/Kg-dry	10	12/3/2013
Iron	11000	400		mg/Kg-dry	100	12/3/2013
Lead	60	0.67		mg/Kg-dry	10	12/3/2013
Manganese	240	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.7		mg/Kg-dry	10	12/4/2013
Nickel	13	1.3		mg/Kg-dry	10	12/3/2013
Potassium	650	400		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	ND	6.7	*	mg/Kg-dry	10	12/3/2013
Titanium	89	3.4	*	mg/Kg-dry	10	12/3/2013
Vanadium	18	1.3		mg/Kg-dry	10	12/3/2013
Zinc	120	6.7		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.045		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.045		mg/Kg-dry	1	12/4/2013
Anthracene	0.1	0.045		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.43	0.045		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.49	0.045		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.62	0.045		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.43	0.045		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.43	0.045		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/4/2013
Chrysene	0.55	0.045		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.14	0.045		mg/Kg-dry	1	12/4/2013
Fluoranthene	1.1	0.045		mg/Kg-dry	1	12/4/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	114/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 3:45:00 PM
Lab ID:	13110831-038A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.045		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.36	0.045		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.045	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.045		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.045		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.48	0.045		mg/Kg-dry	1	12/4/2013
Pyrene	0.87	0.045		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	27.6	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 118

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 4:10:00 PM

Lab ID: 13110831-039A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	118
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:10:00 PM
Lab ID:	13110831-039B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/29/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/29/2013 Analyst: JG			
Aluminum	22	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	370	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	2.8	2.5		µg/wipe	10	11/30/2013
Iron	38	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	ND	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	ND	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	76	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 118/0-0.5'

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 4:15:00 PM

Lab ID: 13110831-040A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.085	0.025		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	4100	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/4/2013
Arsenic	9.5	1.3		mg/Kg-dry	10	12/3/2013
Barium	57	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	0.89	0.65		mg/Kg-dry	10	12/4/2013
Calcium	14000	780		mg/Kg-dry	100	12/3/2013
Chromium	12	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	5.2	1.3		mg/Kg-dry	10	12/3/2013
Copper	28	3.2		mg/Kg-dry	10	12/3/2013
Iron	16000	390		mg/Kg-dry	100	12/3/2013
Lead	63	0.65		mg/Kg-dry	10	12/3/2013
Manganese	260	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.5		mg/Kg-dry	10	12/4/2013
Nickel	9.7	1.3		mg/Kg-dry	10	12/3/2013
Potassium	920	390		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	ND	6.5	*	mg/Kg-dry	10	12/3/2013
Titanium	62	3.2	*	mg/Kg-dry	10	12/3/2013
Vanadium	12	1.3		mg/Kg-dry	10	12/3/2013
Zinc	140	6.5		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.042		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.042		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.089	0.042		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.13	0.042		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.16	0.042		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.15	0.042		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.11	0.042		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/4/2013
Chrysene	0.14	0.042		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.045	0.042		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.18	0.042		mg/Kg-dry	1	12/4/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 118/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 4:15:00 PM
Lab ID: 13110831-040A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Fluorene	ND	0.042		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.11	0.042		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.042	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.042		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.042		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.068	0.042		mg/Kg-dry	1	12/4/2013
Pyrene	0.17	0.042		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	22.7	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 113

Lab Order: 13110831

Tag Number:

Project: 3682-300-07, Pet Coke and Coal Study

Collection Date: 11/27/2013 4:40:00 PM

Lab ID: 13110831-041A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	113
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:40:00 PM
Lab ID:	13110831-041B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/29/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/29/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/29/2013	Analyst: JG
Aluminum	ND	2.5		µg/wipe	10	11/30/2013
Antimony	ND	5		µg/wipe	10	11/30/2013
Arsenic	ND	2.5		µg/wipe	10	11/30/2013
Barium	ND	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	170	100		µg/wipe	10	11/30/2013
Chromium	ND	12		µg/wipe	10	11/30/2013
Cobalt	ND	2.5		µg/wipe	10	11/30/2013
Copper	3.2	2.5		µg/wipe	10	11/30/2013
Iron	ND	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	ND	2.5		µg/wipe	10	11/30/2013
Molybdenum	ND	2.5		µg/wipe	10	11/30/2013
Nickel	ND	2.5		µg/wipe	10	11/30/2013
Potassium	ND	150		µg/wipe	10	11/30/2013
Selenium	ND	2.5		µg/wipe	10	11/30/2013
Silver	ND	2.5		µg/wipe	10	11/30/2013
Thallium	ND	2.5		µg/wipe	10	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	ND	2.5		µg/wipe	10	11/30/2013
Zinc	170	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 113/0-0.5'
Lab Order: 13110831	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 4:45:00 PM
Lab ID: 13110831-042A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.045	0.025		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	9000	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/4/2013
Arsenic	17	1.2		mg/Kg-dry	10	12/3/2013
Barium	77	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.61		mg/Kg-dry	10	12/4/2013
Calcium	17000	730		mg/Kg-dry	100	12/3/2013
Chromium	33	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	8	1.2		mg/Kg-dry	10	12/3/2013
Copper	40	3		mg/Kg-dry	10	12/3/2013
Iron	15000	370		mg/Kg-dry	100	12/3/2013
Lead	98	0.61		mg/Kg-dry	10	12/3/2013
Manganese	260	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.1		mg/Kg-dry	10	12/4/2013
Nickel	21	1.2		mg/Kg-dry	10	12/3/2013
Potassium	1800	370		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6.1	*	mg/Kg-dry	10	12/3/2013
Titanium	78	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	23	1.2		mg/Kg-dry	10	12/3/2013
Zinc	180	6.1		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	0.058	0.043		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.043		mg/Kg-dry	1	12/4/2013
Anthracene	0.31	0.043		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	2.2	0.043		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	2.8	0.043		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	3.3	0.043		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	2.7	0.043		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	2	0.043		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/4/2013
Chrysene	3.3	0.043		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.73	0.043		mg/Kg-dry	1	12/4/2013
Fluoranthene	6	0.21		mg/Kg-dry	5	12/5/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	113/0-0.5'
Lab Order:	13110831	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:45:00 PM
Lab ID:	13110831-042A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 12/3/2013		Analyst: DM
Fluorene	0.083	0.043		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	2.3	0.043		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.043	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.043		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.043		mg/Kg-dry	1	12/4/2013
Phenanthrene	2	0.043		mg/Kg-dry	1	12/4/2013
Pyrene	4.9	0.043		mg/Kg-dry	1	12/4/2013
Percent Moisture		D2974		Prep Date: 12/3/2013		Analyst: VA
Percent Moisture	23.6	0.2	*	wt%	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

CHAIN OF CUSTODY RECORD

No: 853254

Page: 1 of 2

Company: <u>Weaver Boos Consultants</u>							P.O. No.:		
Project Number:			Client Tracking No.:				Quote No.:		
Project Name: <u>Quinn Emanuel</u>							<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> 5370 DX 6000 P/C (PMTs) 2- Unbranded 1- Methyl 2- Methyl naphthalene </div>		
Project Location: <u>Chicago, IL</u>									
Sampler(s): <u>R. Carver, S. Cantor</u>									
Report To: <u>Andy Perdue</u> Phone: <u>312-922-1030</u> <u>Paul Grucan</u> Fax: <u>312-922-0201</u>									
QC Level: 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>			e-mail: <u>a.perdue@weaverboos.com</u>				Turn Around: <u>24 Hour</u>		
Results Needed: <u>11/29/13</u> am/pm							Remarks		
Client Sample Number/Description:		Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Lab No.:
100		11-27-13	0709	W		X	G	3	001
100/0-0.5'			0709	S			A	2	002
32			0730	W			G	3	003
32/0-0.5'			0730	S			A	2	004
1			0757	W			G	3	005
1/0-0.5'			0757	S			A	2	006
2			0825	W			G	3	007
2/0-0.5'			0825	S			A	2	008
99 A			0848	W			G	3	009
99 A/0-0.5'			0848	S			A	2	010
3			0910	W			G	3	011
3/0-0.5'			0910	S			A	2	012
12			0945	W			G	3	013
12/0-0.5'			0945	S			A	2	014
21			1010	W			G	3	015
21/0-0.5'			1010	S			A	2	016
29			1040	W			G	3	017
29/0-0.5'			1040	S			A	2	018
37			1052	W			G	3	019
37/0-0.5'			1052	S			A	2	020
Relinquished by: (Signature)			Date/Time: <u>11/27/13 1953</u>				Comments: W = Wipe Sample *Sb, As, Ba, Cd, Cr, Co, Cu, Ca, Fe Mn, Mo, Mg, Pb, K, Ni, Se, Ag, Rb, Sr, Th, Ti, Tl, Sn, V, Zn, Zr Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = S035/EnCore G = Other		
Received by: (Signature)			Date/Time: <u>11/27/13 1953</u>						
Relinquished by: (Signature)			Date/Time:						
Received by: (Signature)			Date/Time:						
Relinquished by: (Signature)			Date/Time:						
Received by: (Signature)			Date/Time:						
Laboratory Work Order No.:							13110831		
Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							Temperature: <u>22</u> °C		

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CHAIN OF CUSTODY RECORD

No: 853248

Page: 2 of 2

Company: <u>Weaver Boos Consultants</u>							P.O. No.:		
Project Number:				Client Tracking No.:			Quote No.:		
Project Name: <u>Quinn Emanuel</u>							<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); font-size: small;"> 5870 D* (PNTAs) 6010 BIC 2-Chloronaphthalene 1-Methylnaphthalene 2-Methylnaphthalene </div>		
Project Location: <u>Chicago, IL</u>									
Sampler(s): <u>R. Carver, S. Cantor</u>									
Report To: <u>Andy Perdue</u> Phone: <u>312-922-1030</u> <u>Paul Gruca</u> Fax: <u>312-922-0201</u>									
QC Level: 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>			e-mail: <u>aperdue@weaverboos.com</u>				Turn Around: <u>24 Hour</u>		
							Results Needed: <u>11/29/13</u> am/pm		
							Remarks		
							Lab No.:		
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers		
<u>31</u>	<u>11-27-13</u>	<u>1110</u>	<u>W</u>		<u>X</u>	<u>G</u>	<u>3</u>	<u>XXXXXX</u>	
<u>31/0-0.5'</u>		<u>1110</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>Dup-3</u>		<u>-</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>Dup-3/0-0.5'</u>		<u>-</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>Field Blank-2</u>		<u>910</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>Field Blank-3</u>		<u>1330</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>88</u>		<u>1245</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>88/0-0.5'</u>		<u>1256</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>6</u>		<u>1320</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>6/0-0.5'</u>		<u>1325</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>18</u>		<u>1340</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>18/0.5'</u>		<u>1345</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>43</u>		<u>1410</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>43/0.5'</u>		<u>1415</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>98</u>		<u>1425</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>98/0-0.5'</u>		<u>1430</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>114</u>		<u>1540</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>114/0-0.5'</u>		<u>1545</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>118</u>		<u>1610</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>118/0-0.5'</u>		<u>1615</u>	<u>S</u>			<u>A</u>	<u>2</u>		
<u>113</u>		<u>1640</u>	<u>W</u>			<u>G</u>	<u>3</u>		
<u>113/0-0.5'</u>		<u>1645</u>	<u>S</u>			<u>A</u>	<u>2</u>		
Relinquished by: (Signature) <u>[Signature]</u>			Date/Time: <u>11/27/13 1453</u>		Comments: <u>W = W, PB Sample</u> <u>#Se, As, Ba, Cd, Cr, Co, Cu, Ca, Fe, Mn, Mo,</u> <u>Hg, Pb, R, Ni, Sr, Ag, Bb, Sb, Th, Tl, Sn,</u> <u>V, Zn, Zr</u> Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other			Laboratory Work Order No.:	
Received by: (Signature) <u>[Signature]</u>			Date/Time: <u>11/27/13 1953</u>					13110831	
Relinquished by: (Signature)			Date/Time:					Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received by: (Signature)			Date/Time:					Temperature: <u>23°C</u>	
Relinquished by: (Signature)			Date/Time:						
Received by: (Signature)			Date/Time:						

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Sample Receipt Checklist


Client Name: **WEAVER BOOS**

Date and Time Received: **11/27/2013 7:53:00 PM**

Work Order Number **13110831**

Received by: **DO**

Checklist completed by:  **11/29/2013**
Signature Date

Reviewed by:  **11/29/2013**
Initials Date

Matrix: Carrier name: Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **2.3 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted: _____

Date contacted: _____

Contacted by: _____

Response: **PROJECT NUMBER '3682-300-07' AND NAME 'PET COKE AND COAL STUDY' PER PAUL GRUCA EMAIL 01/13/2014 0917-ec**