

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 13110832

Dear Paul Gruca:

STAT Analysis received 33 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: 13110832

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110832-001A	102		11/27/2013 7:50:00 AM	11/27/2013
13110832-001B	102		11/27/2013 7:50:00 AM	11/27/2013
13110832-002A	102/0-0.5'		11/27/2013 7:55:00 AM	11/27/2013
13110832-003A	104		11/27/2013 8:35:00 AM	11/27/2013
13110832-003B	104		11/27/2013 8:35:00 AM	11/27/2013
13110832-004A	104/0-0.5'		11/27/2013 8:50:00 AM	11/27/2013
13110832-005A	DUP-3		11/27/2013 8:40:00 AM	11/27/2013
13110832-005B	DUP-3		11/27/2013 8:40:00 AM	11/27/2013
13110832-006A	DUP-3/0-0.5'		11/27/2013 8:55:00 AM	11/27/2013
13110832-007A	Blank-3		11/27/2013 8:45:00 AM	11/27/2013
13110832-007B	Blank-3		11/27/2013 8:45:00 AM	11/27/2013
13110832-008A	103		11/27/2013 8:20:00 AM	11/27/2013
13110832-008B	103		11/27/2013 8:20:00 AM	11/27/2013
13110832-009A	103/0-0.5'		11/27/2013 9:25:00 AM	11/27/2013
13110832-010A	107		11/27/2013 9:50:00 AM	11/27/2013
13110832-010B	107		11/27/2013 9:50:00 AM	11/27/2013
13110832-011A	107/0-0.5'		11/27/2013 9:55:00 AM	11/27/2013
13110832-012A	106		11/27/2013 10:15:00 AM	11/27/2013
13110832-012B	106		11/27/2013 10:15:00 AM	11/27/2013
13110832-013A	106/0-0.5'		11/27/2013 10:20:00 AM	11/27/2013
13110832-014A	DUP-4		11/27/2013 10:30:00 AM	11/27/2013
13110832-014B	DUP-4		11/27/2013 10:30:00 AM	11/27/2013
13110832-015A	DUP-4/0-0.5'		11/27/2013 10:25:00 AM	11/27/2013
13110832-016A	Blank-4		11/27/2013 10:35:00 AM	11/27/2013
13110832-016B	Blank-4		11/27/2013 10:35:00 AM	11/27/2013
13110832-017A	105		11/27/2013 11:00:00 AM	11/27/2013
13110832-017B	105		11/27/2013 11:00:00 AM	11/27/2013
13110832-018A	105/0-0.5'		11/27/2013 11:05:00 AM	11/27/2013
13110832-019A	97		11/27/2013 11:30:00 AM	11/27/2013
13110832-019B	97		11/27/2013 11:30:00 AM	11/27/2013
13110832-020A	97/0-0.5'		11/27/2013 11:35:00 AM	11/27/2013
13110832-021A	DUP-5/0-0.5'		11/27/2013 11:40:00 AM	11/27/2013
13110832-022A	110		11/27/2013 2:40:00 PM	11/27/2013
13110832-022B	110		11/27/2013 2:40:00 PM	11/27/2013
13110832-023A	110/0-0.5'		11/27/2013 2:45:00 PM	11/27/2013
13110832-024A	109		11/27/2013 3:10:00 PM	11/27/2013
13110832-024B	109		11/27/2013 3:10:00 PM	11/27/2013
13110832-025A	109/0-0.5'		11/27/2013 3:15:00 PM	11/27/2013

Client: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110832

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110832-026A	DUP-6/0-0.5'		11/27/2013 3:20:00 PM	11/27/2013
13110832-027A	108		11/27/2013 4:00:00 PM	11/27/2013
13110832-027B	108		11/27/2013 4:00:00 PM	11/27/2013
13110832-028A	108/0-0.5'		11/27/2013 4:05:00 PM	11/27/2013
13110832-029A	111		11/27/2013 4:30:00 PM	11/27/2013
13110832-029B	111		11/27/2013 4:30:00 PM	11/27/2013
13110832-030A	111/0-0.5'		11/27/2013 4:35:00 PM	11/27/2013
13110832-031A	95		11/27/2013 4:50:00 PM	11/27/2013
13110832-031B	95		11/27/2013 4:50:00 PM	11/27/2013
13110832-032A	95/0-0.5'		11/27/2013 4:55:00 PM	11/27/2013
13110832-033A	DUP-7/0-0.5'		11/27/2013 5:00:00 PM	11/27/2013

CLIENT: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110832

CASE NARRATIVE

The Metals wipe LCS/LCSD from 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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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: 102

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 7:50:00 AM

Lab ID: 13110832-001A

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
 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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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 102
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:50:00 AM
Lab ID: 13110832-001B	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	4.1	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	130	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	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	76	50		µg/wipe	10	11/30/2013

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 102/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:55:00 AM
Lab ID: 13110832-002A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.044	0.024		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	12000	250		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/4/2013
Arsenic	6.7	1.3		mg/Kg-dry	10	12/4/2013
Barium	99	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.63		mg/Kg-dry	10	12/4/2013
Calcium	17000	76		mg/Kg-dry	10	12/4/2013
Chromium	23	1.3		mg/Kg-dry	10	12/4/2013
Cobalt	9	1.3		mg/Kg-dry	10	12/4/2013
Copper	28	3.1		mg/Kg-dry	10	12/4/2013
Iron	20000	380		mg/Kg-dry	100	12/4/2013
Lead	57	0.63		mg/Kg-dry	10	12/4/2013
Manganese	360	1.3		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.3		mg/Kg-dry	10	12/4/2013
Nickel	24	1.3		mg/Kg-dry	10	12/4/2013
Potassium	1900	38		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/4/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/4/2013
Tin	ND	6.3	*	mg/Kg-dry	10	12/4/2013
Titanium	120	3.1	*	mg/Kg-dry	10	12/4/2013
Vanadium	27	1.3		mg/Kg-dry	10	12/4/2013
Zinc	180	6.3		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.043		mg/Kg-dry	1	12/5/2013
Acenaphthylene	0.089	0.043		mg/Kg-dry	1	12/5/2013
Anthracene	0.27	0.043		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	1.4	0.043		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	1.9	0.043		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	2.2	0.043		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	1.9	0.043		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	1.5	0.043		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/5/2013
Chrysene	1.9	0.043		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.44	0.043		mg/Kg-dry	1	12/5/2013
Fluoranthene	3.6	0.043		mg/Kg-dry	1	12/5/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 102/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 7:55:00 AM
Lab ID: 13110832-002A	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	0.057	0.043		mg/Kg-dry	1	12/5/2013
Indeno(1,2,3-cd)pyrene	1.6	0.043		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.043	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.043		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.043		mg/Kg-dry	1	12/5/2013
Phenanthrene	1.3	0.043		mg/Kg-dry	1	12/5/2013
Pyrene	3	0.043		mg/Kg-dry	1	12/5/2013
Percent Moisture		D2974		Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	24.1	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:	104
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:35:00 AM
Lab ID:	13110832-003A	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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Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	104
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:35:00 AM
Lab ID:	13110832-003B	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	2.7	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	110	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	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	79	50		µg/wipe	10	11/30/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 104/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:50:00 AM
Lab ID: 13110832-004A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.058	0.022		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	12000	230		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/4/2013
Arsenic	7.9	1.1		mg/Kg-dry	10	12/4/2013
Barium	94	1.1		mg/Kg-dry	10	12/4/2013
Cadmium	0.58	0.57		mg/Kg-dry	10	12/4/2013
Calcium	11000	69		mg/Kg-dry	10	12/4/2013
Chromium	21	1.1		mg/Kg-dry	10	12/4/2013
Cobalt	9.3	1.1		mg/Kg-dry	10	12/4/2013
Copper	38	2.9		mg/Kg-dry	10	12/4/2013
Iron	21000	340		mg/Kg-dry	100	12/4/2013
Lead	60	0.57		mg/Kg-dry	10	12/4/2013
Manganese	290	1.1		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.7		mg/Kg-dry	10	12/4/2013
Nickel	26	1.1		mg/Kg-dry	10	12/4/2013
Potassium	1600	34		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/4/2013
Silver	ND	1.1		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/4/2013
Tin	ND	5.7	*	mg/Kg-dry	10	12/4/2013
Titanium	96	2.9	*	mg/Kg-dry	10	12/4/2013
Vanadium	27	1.1		mg/Kg-dry	10	12/4/2013
Zinc	110	5.7		mg/Kg-dry	10	12/4/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.04		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.04		mg/Kg-dry	1	12/5/2013
Anthracene	ND	0.04		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	ND	0.04		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	ND	0.04		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	ND	0.04		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	ND	0.04		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	ND	0.04		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/5/2013
Chrysene	ND	0.04		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	ND	0.04		mg/Kg-dry	1	12/5/2013
Fluoranthene	ND	0.04		mg/Kg-dry	1	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

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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:	104/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:50:00 AM
Lab ID:	13110832-004A	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	0.04		mg/Kg-dry	1	12/5/2013
Indeno(1,2,3-cd)pyrene	ND	0.04		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.04	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.04		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.04		mg/Kg-dry	1	12/5/2013
Phenanthrene	ND	0.04		mg/Kg-dry	1	12/5/2013
Pyrene	ND	0.04		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	19.0	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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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:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:40:00 AM
Lab ID:	13110832-005A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/1/2013
Acenaphthylene	ND	1		µg/wipe	1	12/1/2013
Anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/1/2013
Chrysene	ND	1		µg/wipe	1	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/1/2013
Fluoranthene	ND	1		µg/wipe	1	12/1/2013
Fluorene	ND	1		µg/wipe	1	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/1/2013
Naphthalene	ND	1		µg/wipe	1	12/1/2013
Phenanthrene	ND	1		µg/wipe	1	12/1/2013
Pyrene	ND	1		µg/wipe	1	12/1/2013

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:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:40:00 AM
Lab ID:	13110832-005B	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	6.4	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	160	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	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	180	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: DUP-3/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:55:00 AM
Lab ID: 13110832-006A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.046	0.021		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	ND	230		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/4/2013
Arsenic	8.5	1.2		mg/Kg-dry	10	12/4/2013
Barium	110	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.59		mg/Kg-dry	10	12/4/2013
Calcium	ND	700		mg/Kg-dry	100	12/4/2013
Chromium	20	1.2		mg/Kg-dry	10	12/4/2013
Cobalt	9.3	1.2		mg/Kg-dry	10	12/4/2013
Copper	22	2.9		mg/Kg-dry	10	12/4/2013
Iron	ND	350		mg/Kg-dry	100	12/4/2013
Lead	31	0.59		mg/Kg-dry	10	12/4/2013
Manganese	520	1.2		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.9		mg/Kg-dry	10	12/4/2013
Nickel	21	1.2		mg/Kg-dry	10	12/4/2013
Potassium	1900	35		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/4/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/4/2013
Tin	ND	5.9	*	mg/Kg-dry	10	12/4/2013
Titanium	120	2.9	*	mg/Kg-dry	10	12/4/2013
Vanadium	29	1.2		mg/Kg-dry	10	12/4/2013
Zinc	69	5.9		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/5/2013
Anthracene	ND	0.041		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	0.048	0.041		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	0.051	0.041		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/5/2013
Chrysene	0.05	0.041		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	12/5/2013
Fluoranthene	0.096	0.041		mg/Kg-dry	1	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: DUP-3/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:55:00 AM
Lab ID: 13110832-006A	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	12/5/2013
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.051	0.041		mg/Kg-dry	1	12/5/2013
Pyrene	0.078	0.041		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	20.0	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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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: Blank-3
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:45:00 AM
Lab ID: 13110832-007A	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/1/2013
Acenaphthylene	ND	1		µg/wipe	1	12/1/2013
Anthracene	ND	1		µg/wipe	1	12/1/2013
Benz(a)anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/1/2013
Chrysene	ND	1		µg/wipe	1	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/1/2013
Fluoranthene	ND	1		µg/wipe	1	12/1/2013
Fluorene	ND	1		µg/wipe	1	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/1/2013
Naphthalene	ND	1		µg/wipe	1	12/1/2013
Phenanthrene	ND	1		µg/wipe	1	12/1/2013
Pyrene	ND	1		µg/wipe	1	12/1/2013

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: Blank-3
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 8:45:00 AM
Lab ID: 13110832-007B	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	100	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	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	77	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:	103
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:20:00 AM
Lab ID:	13110832-008A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/1/2013
Acenaphthylene	ND	1		µg/wipe	1	12/1/2013
Anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/1/2013
Chrysene	ND	1		µg/wipe	1	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/1/2013
Fluoranthene	ND	1		µg/wipe	1	12/1/2013
Fluorene	ND	1		µg/wipe	1	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/1/2013
Naphthalene	ND	1		µg/wipe	1	12/1/2013
Phenanthrene	ND	1		µg/wipe	1	12/1/2013
Pyrene	ND	1		µg/wipe	1	12/1/2013

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:	103
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 8:20:00 AM
Lab ID:	13110832-008B	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	4.8	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	190	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	3.9	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	190	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: 103/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 9:25:00 AM
Lab ID: 13110832-009A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.07	0.027		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	27000	250		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/4/2013
Arsenic	12	1.2		mg/Kg-dry	10	12/4/2013
Barium	120	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	1.2	0.62		mg/Kg-dry	10	12/4/2013
Calcium	19000	740		mg/Kg-dry	100	12/4/2013
Chromium	33	1.2		mg/Kg-dry	10	12/4/2013
Cobalt	13	1.2		mg/Kg-dry	10	12/4/2013
Copper	62	3.1		mg/Kg-dry	10	12/4/2013
Iron	54000	370		mg/Kg-dry	100	12/4/2013
Lead	160	0.62		mg/Kg-dry	10	12/4/2013
Manganese	390	1.2		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.2		mg/Kg-dry	10	12/4/2013
Nickel	38	1.2		mg/Kg-dry	10	12/4/2013
Potassium	2600	37		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/4/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/4/2013
Tin	6.7	6.2	*	mg/Kg-dry	10	12/4/2013
Titanium	84	3.1	*	mg/Kg-dry	10	12/4/2013
Vanadium	32	1.2		mg/Kg-dry	10	12/4/2013
Zinc	220	6.2		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.045		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.045		mg/Kg-dry	1	12/5/2013
Anthracene	0.14	0.045		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.7	0.045		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	0.73	0.045		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	0.83	0.045		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	0.52	0.045		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	0.7	0.045		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/5/2013
Chrysene	0.79	0.045		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.18	0.045		mg/Kg-dry	1	12/5/2013
Fluoranthene	1.3	0.045		mg/Kg-dry	1	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:	103/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 9:25:00 AM
Lab ID:	13110832-009A	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	12/5/2013
Indeno(1,2,3-cd)pyrene	0.49	0.045		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.045	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.045		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.045		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.6	0.045		mg/Kg-dry	1	12/5/2013
Pyrene	1.1	0.045		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	27.8	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: 107

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 9:50:00 AM

Lab ID: 13110832-010A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/29/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	12/1/2013
Acenaphthylene	ND	1		µg/wipe	1	12/1/2013
Anthracene	ND	1		µg/wipe	1	12/1/2013
Benz(a)anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/1/2013
Chrysene	ND	1		µg/wipe	1	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/1/2013
Fluoranthene	ND	1		µg/wipe	1	12/1/2013
Fluorene	ND	1		µg/wipe	1	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/1/2013
Naphthalene	ND	1		µg/wipe	1	12/1/2013
Phenanthrene	ND	1		µg/wipe	1	12/1/2013
Pyrene	ND	1		µg/wipe	1	12/1/2013

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:	107
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 9:50:00 AM
Lab ID:	13110832-010B	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	ND	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	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	69	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

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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: 107/0-0.5'

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 9:55:00 AM

Lab ID: 13110832-011A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.035	0.021		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	8000	250		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/4/2013
Arsenic	7.1	1.3		mg/Kg-dry	10	12/4/2013
Barium	100	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.63		mg/Kg-dry	10	12/4/2013
Calcium	18000	760		mg/Kg-dry	100	12/4/2013
Chromium	16	1.3		mg/Kg-dry	10	12/4/2013
Cobalt	8.9	1.3		mg/Kg-dry	10	12/4/2013
Copper	23	3.1		mg/Kg-dry	10	12/4/2013
Iron	18000	380		mg/Kg-dry	100	12/4/2013
Lead	20	0.63		mg/Kg-dry	10	12/4/2013
Manganese	810	1.3		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.3		mg/Kg-dry	10	12/4/2013
Nickel	19	1.3		mg/Kg-dry	10	12/4/2013
Potassium	1600	38		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/4/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/4/2013
Tin	ND	6.3	*	mg/Kg-dry	10	12/4/2013
Titanium	140	3.1	*	mg/Kg-dry	10	12/4/2013
Vanadium	26	1.3		mg/Kg-dry	10	12/4/2013
Zinc	65	6.3		mg/Kg-dry	10	12/4/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/5/2013
Anthracene	ND	0.041		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.049	0.041		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	0.065	0.041		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	0.07	0.041		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	0.065	0.041		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	0.069	0.041		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/5/2013
Chrysene	0.075	0.041		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	12/5/2013
Fluoranthene	0.14	0.041		mg/Kg-dry	1	12/5/2013

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: 107/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 9:55:00 AM
Lab ID: 13110832-011A	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	12/5/2013
Indeno(1,2,3-cd)pyrene	0.055	0.041		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.062	0.041		mg/Kg-dry	1	12/5/2013
Pyrene	0.11	0.041		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	19.4	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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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: 106

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 10:15:00 AM

Lab ID: 13110832-012A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM
Acenaphthene	ND	1		µg/wipe	12/1/2013
Acenaphthylene	ND	1		µg/wipe	12/1/2013
Anthracene	ND	1		µg/wipe	12/1/2013
Benz(a)anthracene	ND	1		µg/wipe	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	12/1/2013
Chrysene	ND	1		µg/wipe	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	12/1/2013
Fluoranthene	ND	1		µg/wipe	12/1/2013
Fluorene	ND	1		µg/wipe	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	12/1/2013
Naphthalene	ND	1		µg/wipe	12/1/2013
Phenanthrene	ND	1		µg/wipe	12/1/2013
Pyrene	ND	1		µg/wipe	12/1/2013

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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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:	106
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:15:00 AM
Lab ID:	13110832-012B	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	4.7	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	4.1	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	110	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	ND	10		µg/wipe	10	11/30/2013
Lead	ND	5		µg/wipe	20	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	5		µg/wipe	20	11/30/2013
Tin	ND	2.5	*	µg/wipe	10	11/30/2013
Titanium	ND	2.5	*	µg/wipe	10	11/30/2013
Vanadium	2.5	2.5		µg/wipe	10	11/30/2013
Zinc	75	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

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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:	106/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:20:00 AM
Lab ID:	13110832-013A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.067	0.024		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	220		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.2		mg/Kg-dry	10	12/4/2013
Arsenic	6.9	1.1		mg/Kg-dry	10	12/4/2013
Barium	100	1.1		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.55		mg/Kg-dry	10	12/4/2013
Calcium	11000	650		mg/Kg-dry	100	12/4/2013
Chromium	20	1.1		mg/Kg-dry	10	12/4/2013
Cobalt	7.8	1.1		mg/Kg-dry	10	12/4/2013
Copper	23	2.7		mg/Kg-dry	10	12/4/2013
Iron	18000	330		mg/Kg-dry	100	12/4/2013
Lead	66	0.55		mg/Kg-dry	10	12/4/2013
Manganese	370	1.1		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.5		mg/Kg-dry	10	12/4/2013
Nickel	17	1.1		mg/Kg-dry	10	12/4/2013
Potassium	1600	33		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/4/2013
Silver	ND	1.1		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/4/2013
Tin	6.6	5.5	*	mg/Kg-dry	10	12/4/2013
Titanium	110	2.7	*	mg/Kg-dry	10	12/4/2013
Vanadium	28	1.1		mg/Kg-dry	10	12/4/2013
Zinc	130	5.5		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/5/2013
Anthracene	0.097	0.041		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.92	0.041		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	1.2	0.041		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	1.6	0.041		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	1.1	0.041		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	0.9	0.041		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/5/2013
Chrysene	1.3	0.041		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.27	0.041		mg/Kg-dry	1	12/5/2013
Fluoranthene	2.2	0.041		mg/Kg-dry	1	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:	106/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:20:00 AM
Lab ID:	13110832-013A	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	12/5/2013
Indeno(1,2,3-cd)pyrene	0.96	0.041		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.56	0.041		mg/Kg-dry	1	12/5/2013
Pyrene	1.8	0.041		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	19.6	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: DUP-4

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 10:30:00 AM

Lab ID: 13110832-014A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/29/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	12/1/2013
Acenaphthylene	ND	1		µg/wipe	1	12/1/2013
Anthracene	ND	1		µg/wipe	1	12/1/2013
Benz(a)anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/1/2013
Chrysene	ND	1		µg/wipe	1	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/1/2013
Fluoranthene	ND	1		µg/wipe	1	12/1/2013
Fluorene	ND	1		µg/wipe	1	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/1/2013
Naphthalene	ND	1		µg/wipe	1	12/1/2013
Phenanthrene	ND	1		µg/wipe	1	12/1/2013
Pyrene	ND	1		µg/wipe	1	12/1/2013

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-4
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:30:00 AM
Lab ID:	13110832-014B	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	120	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	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	81	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: DUP-4/0-0.5'

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 10:25:00 AM

Lab ID: 13110832-015A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.059	0.023		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/4/2013
Arsenic	6.2	1.3		mg/Kg-dry	10	12/4/2013
Barium	94	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.64		mg/Kg-dry	10	12/4/2013
Calcium	10000	77		mg/Kg-dry	10	12/4/2013
Chromium	17	1.3		mg/Kg-dry	10	12/4/2013
Cobalt	7.7	1.3		mg/Kg-dry	10	12/4/2013
Copper	21	3.2		mg/Kg-dry	10	12/4/2013
Iron	18000	380		mg/Kg-dry	100	12/3/2013
Lead	62	0.64		mg/Kg-dry	10	12/4/2013
Manganese	440	1.3		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.4		mg/Kg-dry	10	12/4/2013
Nickel	15	1.3		mg/Kg-dry	10	12/4/2013
Potassium	1400	38		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/4/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/4/2013
Tin	ND	6.4	*	mg/Kg-dry	10	12/4/2013
Titanium	97	3.2	*	mg/Kg-dry	10	12/4/2013
Vanadium	22	1.3		mg/Kg-dry	10	12/4/2013
Zinc	110	6.4		mg/Kg-dry	10	12/4/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/5/2013
Anthracene	0.1	0.041		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.98	0.041		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	1.3	0.041		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	1.6	0.041		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	1.3	0.041		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	1.2	0.041		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/5/2013
Chrysene	1.5	0.041		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.32	0.041		mg/Kg-dry	1	12/5/2013
Fluoranthene	2.4	0.041		mg/Kg-dry	1	12/5/2013

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-4/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 10:25:00 AM
Lab ID: 13110832-015A	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	12/5/2013
Indeno(1,2,3-cd)pyrene	1.1	0.041		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.57	0.041		mg/Kg-dry	1	12/5/2013
Pyrene	1.9	0.041		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	21.0	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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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: Blank-4

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 10:35:00 AM

Lab ID: 13110832-016A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/29/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	12/1/2013
Acenaphthylene	ND	1		µg/wipe	1	12/1/2013
Anthracene	ND	1		µg/wipe	1	12/1/2013
Benz(a)anthracene	ND	1		µg/wipe	1	12/1/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/1/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/1/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/1/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/1/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/1/2013
Chrysene	ND	1		µg/wipe	1	12/1/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/1/2013
Fluoranthene	ND	1		µg/wipe	1	12/1/2013
Fluorene	ND	1		µg/wipe	1	12/1/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/1/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/1/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/1/2013
Naphthalene	ND	1		µg/wipe	1	12/1/2013
Phenanthrene	ND	1		µg/wipe	1	12/1/2013
Pyrene	ND	1		µg/wipe	1	12/1/2013

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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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:	Blank-4
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 10:35:00 AM
Lab ID:	13110832-016B	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	100	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	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	73	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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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: 105

Lab Order: 13110832

Tag Number:

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

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

Lab ID: 13110832-017A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM
Acenaphthene	ND	1		µg/wipe	12/2/2013
Acenaphthylene	ND	1		µg/wipe	12/2/2013
Anthracene	ND	1		µg/wipe	12/2/2013
Benz(a)anthracene	ND	1		µg/wipe	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	12/2/2013
Chrysene	ND	1		µg/wipe	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	12/2/2013
Fluoranthene	ND	1		µg/wipe	12/2/2013
Fluorene	ND	1		µg/wipe	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	12/2/2013
Naphthalene	ND	1		µg/wipe	12/2/2013
Phenanthrene	ND	1		µg/wipe	12/2/2013
Pyrene	ND	1		µg/wipe	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:	105
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:00:00 AM
Lab ID:	13110832-017B	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	55	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	400	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	89	10		µg/wipe	10	11/30/2013
Lead	ND	2.5		µg/wipe	10	11/30/2013
Manganese	4.3	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	83	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: 105/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 11:05:00 AM
Lab ID: 13110832-018A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.05	0.021		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	8400	250		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/4/2013
Arsenic	8.4	1.2		mg/Kg-dry	10	12/4/2013
Barium	160	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.62		mg/Kg-dry	10	12/4/2013
Calcium	37000	740		mg/Kg-dry	100	12/4/2013
Chromium	21	1.2		mg/Kg-dry	10	12/4/2013
Cobalt	11	1.2		mg/Kg-dry	10	12/4/2013
Copper	37	3.1		mg/Kg-dry	10	12/4/2013
Iron	19000	370		mg/Kg-dry	100	12/4/2013
Lead	120	0.62		mg/Kg-dry	10	12/4/2013
Manganese	510	1.2		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.2		mg/Kg-dry	10	12/4/2013
Nickel	26	1.2		mg/Kg-dry	10	12/4/2013
Potassium	2000	37		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/4/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/4/2013
Tin	ND	6.2	*	mg/Kg-dry	10	12/4/2013
Titanium	100	3.1	*	mg/Kg-dry	10	12/4/2013
Vanadium	23	1.2		mg/Kg-dry	10	12/4/2013
Zinc	140	6.2		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	12/5/2013
Acenaphthylene	0.16	0.042		mg/Kg-dry	1	12/5/2013
Anthracene	0.15	0.042		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.5	0.042		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	0.67	0.042		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	0.72	0.042		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	0.6	0.042		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	0.52	0.042		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/5/2013
Chrysene	0.64	0.042		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.17	0.042		mg/Kg-dry	1	12/5/2013
Fluoranthene	0.94	0.042		mg/Kg-dry	1	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:	105/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:05:00 AM
Lab ID:	13110832-018A	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	ND	0.042		mg/Kg-dry	1	12/5/2013
Indeno(1,2,3-cd)pyrene	0.51	0.042		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.042	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.042		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.042		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.36	0.042		mg/Kg-dry	1	12/5/2013
Pyrene	0.86	0.042		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	21.9	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: 97

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 11:30:00 AM

Lab ID: 13110832-019A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM
Acenaphthene	ND	1		µg/wipe	12/2/2013
Acenaphthylene	ND	1		µg/wipe	12/2/2013
Anthracene	ND	1		µg/wipe	12/2/2013
Benzo(a)anthracene	ND	1		µg/wipe	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	12/2/2013
Chrysene	ND	1		µg/wipe	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	12/2/2013
Fluoranthene	ND	1		µg/wipe	12/2/2013
Fluorene	ND	1		µg/wipe	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	12/2/2013
Naphthalene	ND	1		µg/wipe	12/2/2013
Phenanthrene	ND	1		µg/wipe	12/2/2013
Pyrene	ND	1		µg/wipe	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:	97
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:30:00 AM
Lab ID:	13110832-019B	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	13	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	110	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	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	74	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: 97/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 11:35:00 AM
Lab ID: 13110832-020A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.042	0.023		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	230		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/4/2013
Arsenic	6.6	1.2		mg/Kg-dry	10	12/4/2013
Barium	210	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.58		mg/Kg-dry	10	12/4/2013
Calcium	17000	690		mg/Kg-dry	100	12/4/2013
Chromium	24	1.2		mg/Kg-dry	10	12/4/2013
Cobalt	9.4	1.2		mg/Kg-dry	10	12/4/2013
Copper	24	2.9		mg/Kg-dry	10	12/4/2013
Iron	19000	350		mg/Kg-dry	100	12/4/2013
Lead	430	0.58		mg/Kg-dry	10	12/4/2013
Manganese	480	1.2		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.8		mg/Kg-dry	10	12/4/2013
Nickel	20	1.2		mg/Kg-dry	10	12/4/2013
Potassium	2300	35		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/4/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/4/2013
Tin	ND	5.8	*	mg/Kg-dry	10	12/4/2013
Titanium	92	2.9	*	mg/Kg-dry	10	12/4/2013
Vanadium	28	1.2		mg/Kg-dry	10	12/4/2013
Zinc	110	5.8		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.044		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.044		mg/Kg-dry	1	12/5/2013
Anthracene	0.15	0.044		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.4	0.044		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	0.42	0.044		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	0.39	0.044		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	0.35	0.044		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	0.31	0.044		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/5/2013
Chrysene	0.46	0.044		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.095	0.044		mg/Kg-dry	1	12/5/2013
Fluoranthene	0.78	0.044		mg/Kg-dry	1	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:	97/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:35:00 AM
Lab ID:	13110832-020A	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	0.044		mg/Kg-dry	1	12/5/2013
Indeno(1,2,3-cd)pyrene	0.29	0.044		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.044	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.044		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.044		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.62	0.044		mg/Kg-dry	1	12/5/2013
Pyrene	0.82	0.044		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	24.8	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: DUP-5/0-0.5'

Lab Order: 13110832

Tag Number:

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

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

Lab ID: 13110832-021A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.041	0.021		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	14000	230		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/4/2013
Arsenic	6.9	1.2		mg/Kg-dry	10	12/4/2013
Barium	150	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.58		mg/Kg-dry	10	12/4/2013
Calcium	25000	700		mg/Kg-dry	100	12/4/2013
Chromium	24	1.2		mg/Kg-dry	10	12/4/2013
Cobalt	9.7	1.2		mg/Kg-dry	10	12/4/2013
Copper	23	2.9		mg/Kg-dry	10	12/4/2013
Iron	23000	350		mg/Kg-dry	100	12/4/2013
Lead	540	0.58		mg/Kg-dry	10	12/4/2013
Manganese	450	1.2		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.8		mg/Kg-dry	10	12/4/2013
Nickel	23	1.2		mg/Kg-dry	10	12/4/2013
Potassium	2000	35		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/4/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/4/2013
Tin	ND	5.8	*	mg/Kg-dry	10	12/4/2013
Titanium	88	2.9	*	mg/Kg-dry	10	12/4/2013
Vanadium	27	1.2		mg/Kg-dry	10	12/4/2013
Zinc	100	5.8		mg/Kg-dry	10	12/4/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.04		mg/Kg-dry	1	12/5/2013
Acenaphthylene	ND	0.04		mg/Kg-dry	1	12/5/2013
Anthracene	0.051	0.04		mg/Kg-dry	1	12/5/2013
Benz(a)anthracene	0.19	0.04		mg/Kg-dry	1	12/5/2013
Benzo(a)pyrene	0.2	0.04		mg/Kg-dry	1	12/5/2013
Benzo(b)fluoranthene	0.2	0.04		mg/Kg-dry	1	12/5/2013
Benzo(g,h,i)perylene	0.18	0.04		mg/Kg-dry	1	12/5/2013
Benzo(k)fluoranthene	0.21	0.04		mg/Kg-dry	1	12/5/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/5/2013
Chrysene	0.22	0.04		mg/Kg-dry	1	12/5/2013
Dibenz(a,h)anthracene	0.049	0.04		mg/Kg-dry	1	12/5/2013
Fluoranthene	0.36	0.04		mg/Kg-dry	1	12/5/2013

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:	DUP-5/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 11:40:00 AM
Lab ID:	13110832-021A	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	0.04		mg/Kg-dry	1	12/5/2013
Indeno(1,2,3-cd)pyrene	0.15	0.04		mg/Kg-dry	1	12/5/2013
1-Methylnaphthalene	ND	0.04	*	mg/Kg-dry	1	12/5/2013
2-Methylnaphthalene	ND	0.04		mg/Kg-dry	1	12/5/2013
Naphthalene	ND	0.04		mg/Kg-dry	1	12/5/2013
Phenanthrene	0.18	0.04		mg/Kg-dry	1	12/5/2013
Pyrene	0.35	0.04		mg/Kg-dry	1	12/5/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	19.0	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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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: 110
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 2:40:00 PM
Lab ID: 13110832-022A	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/2/2013
Acenaphthylene	ND	1		µg/wipe	1	12/2/2013
Anthracene	ND	1		µg/wipe	1	12/2/2013
Benz(a)anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/2/2013
Chrysene	ND	1		µg/wipe	1	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/2/2013
Fluoranthene	ND	1		µg/wipe	1	12/2/2013
Fluorene	ND	1		µg/wipe	1	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/2/2013
Naphthalene	ND	1		µg/wipe	1	12/2/2013
Phenanthrene	ND	1		µg/wipe	1	12/2/2013
Pyrene	ND	1		µg/wipe	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:	110
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 2:40:00 PM
Lab ID:	13110832-022B	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	110	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	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	71	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: 110/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 2:45:00 PM
Lab ID: 13110832-023A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					
Mercury	0.11	0.022		mg/Kg-dry	1	12/3/2013
						Prep Date: 12/3/2013 Analyst: LB
Metals by ICP/MS	SW6020 (SW3050B)					
Aluminum	3500	270		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.7		mg/Kg-dry	10	12/4/2013
Arsenic	3.3	1.4		mg/Kg-dry	10	12/4/2013
Barium	110	1.4		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.68		mg/Kg-dry	10	12/4/2013
Calcium	58000	810		mg/Kg-dry	100	12/4/2013
Chromium	50	1.4		mg/Kg-dry	10	12/4/2013
Cobalt	3.2	1.4		mg/Kg-dry	10	12/4/2013
Copper	100	3.4		mg/Kg-dry	10	12/4/2013
Iron	19000	410		mg/Kg-dry	100	12/4/2013
Lead	150	0.68		mg/Kg-dry	10	12/4/2013
Manganese	540	1.4		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.8		mg/Kg-dry	10	12/4/2013
Nickel	26	1.4		mg/Kg-dry	10	12/4/2013
Potassium	770	41		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/4/2013
Silver	ND	1.4		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/4/2013
Tin	ND	6.8	*	mg/Kg-dry	10	12/4/2013
Titanium	110	3.4	*	mg/Kg-dry	10	12/4/2013
Vanadium	18	1.4		mg/Kg-dry	10	12/4/2013
Zinc	350	6.8		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					
Acenaphthene	0.56	0.43		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.43		mg/Kg-dry	1	12/4/2013
Anthracene	2	0.43		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	9	0.43		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	9.7	0.43		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	9.4	0.43		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	8.8	0.43		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	8.4	0.43		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	2.2		mg/Kg-dry	1	12/4/2013
Chrysene	9.9	0.43		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	4.3	0.43		mg/Kg-dry	1	12/4/2013
Fluoranthene	19	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: 110/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 2:45:00 PM
Lab ID: 13110832-023A	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	0.49	0.43		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	7.7	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	8.4	0.43		mg/Kg-dry	1	12/4/2013
Pyrene	15	0.43		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	22.9	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:	109
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 3:10:00 PM
Lab ID:	13110832-024A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/2/2013
Acenaphthylene	ND	1		µg/wipe	1	12/2/2013
Anthracene	ND	1		µg/wipe	1	12/2/2013
Benz(a)anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/2/2013
Chrysene	ND	1		µg/wipe	1	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/2/2013
Fluoranthene	ND	1		µg/wipe	1	12/2/2013
Fluorene	ND	1		µg/wipe	1	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/2/2013
Naphthalene	ND	1		µg/wipe	1	12/2/2013
Phenanthrene	ND	1		µg/wipe	1	12/2/2013
Pyrene	ND	1		µg/wipe	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: 109
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 3:10:00 PM
Lab ID: 13110832-024B	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	46	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	31	2.5		µg/wipe	10	11/30/2013
Cadmium	ND	2.5		µg/wipe	10	11/30/2013
Calcium	180	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	18	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	21	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: 109/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 3:15:00 PM
Lab ID: 13110832-025A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.045	0.022		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	6600	270		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.7		mg/Kg-dry	10	12/4/2013
Arsenic	3.8	1.3		mg/Kg-dry	10	12/4/2013
Barium	100	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.67		mg/Kg-dry	10	12/4/2013
Calcium	95000	800		mg/Kg-dry	100	12/4/2013
Chromium	19	1.3		mg/Kg-dry	10	12/4/2013
Cobalt	4.4	1.3		mg/Kg-dry	10	12/4/2013
Copper	23	3.3		mg/Kg-dry	10	12/4/2013
Iron	13000	400		mg/Kg-dry	100	12/4/2013
Lead	61	0.67		mg/Kg-dry	10	12/4/2013
Manganese	150	1.3		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.7		mg/Kg-dry	10	12/4/2013
Nickel	15	1.3		mg/Kg-dry	10	12/4/2013
Potassium	1300	40		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/4/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/4/2013
Tin	ND	6.7	*	mg/Kg-dry	10	12/4/2013
Titanium	81	3.3	*	mg/Kg-dry	10	12/4/2013
Vanadium	20	1.3		mg/Kg-dry	10	12/4/2013
Zinc	93	6.7		mg/Kg-dry	10	12/4/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	0.34	0.044		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.044		mg/Kg-dry	1	12/4/2013
Anthracene	0.83	0.044		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	2.2	0.044		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	1.8	0.044		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	1.7	0.044		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	1.3	0.044		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	1.6	0.044		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/4/2013
Chrysene	2.6	0.044		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.7	0.044		mg/Kg-dry	1	12/4/2013
Fluoranthene	5.4	0.22		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

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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:	109/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 3:15:00 PM
Lab ID:	13110832-025A	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	0.41	0.044		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	1.2	0.044		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.044	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	0.13	0.044		mg/Kg-dry	1	12/4/2013
Naphthalene	0.25	0.044		mg/Kg-dry	1	12/4/2013
Phenanthrene	5	0.22		mg/Kg-dry	5	12/5/2013
Pyrene	5.2	0.044		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	24.8	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: DUP-6/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 3:20:00 PM
Lab ID: 13110832-026A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.051	0.024		mg/Kg-dry	1	12/3/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7600	240		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/4/2013
Arsenic	4.8	1.2		mg/Kg-dry	10	12/4/2013
Barium	140	1.2		mg/Kg-dry	10	12/4/2013
Cadmium	0.92	0.59		mg/Kg-dry	10	12/4/2013
Calcium	34000	710		mg/Kg-dry	100	12/4/2013
Chromium	25	1.2		mg/Kg-dry	10	12/4/2013
Cobalt	5.8	1.2		mg/Kg-dry	10	12/4/2013
Copper	34	3		mg/Kg-dry	10	12/4/2013
Iron	14000	350		mg/Kg-dry	100	12/4/2013
Lead	82	0.59		mg/Kg-dry	10	12/4/2013
Manganese	130	1.2		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.9		mg/Kg-dry	10	12/4/2013
Nickel	19	1.2		mg/Kg-dry	10	12/4/2013
Potassium	1500	35		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/4/2013
Silver	ND	1.2		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/4/2013
Tin	ND	5.9	*	mg/Kg-dry	10	12/4/2013
Titanium	75	3	*	mg/Kg-dry	10	12/4/2013
Vanadium	24	1.2		mg/Kg-dry	10	12/4/2013
Zinc	140	5.9		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.046		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.046		mg/Kg-dry	1	12/4/2013
Anthracene	0.084	0.046		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.59	0.046		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.72	0.046		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.79	0.046		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.53	0.046		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.65	0.046		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/4/2013
Chrysene	0.91	0.046		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.35	0.046		mg/Kg-dry	1	12/4/2013
Fluoranthene	1.7	0.046		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: DUP-6/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 3:20:00 PM
Lab ID: 13110832-026A	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	0.046		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.56	0.046		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.046	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.046		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.046		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.87	0.046		mg/Kg-dry	1	12/4/2013
Pyrene	1.3	0.046		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	28.2	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:	108
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:00:00 PM
Lab ID:	13110832-027A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/2/2013
Acenaphthylene	ND	1		µg/wipe	1	12/2/2013
Anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/2/2013
Chrysene	ND	1		µg/wipe	1	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/2/2013
Fluoranthene	ND	1		µg/wipe	1	12/2/2013
Fluorene	ND	1		µg/wipe	1	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/2/2013
Naphthalene	ND	1		µg/wipe	1	12/2/2013
Phenanthrene	ND	1		µg/wipe	1	12/2/2013
Pyrene	ND	1		µg/wipe	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:	108
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:00:00 PM
Lab ID:	13110832-027B	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	8.8	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	160	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	11	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	80	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: 108/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 4:05:00 PM
Lab ID: 13110832-028A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.083	0.026		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	5600	280		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.8		mg/Kg-dry	10	12/4/2013
Arsenic	10	1.4		mg/Kg-dry	10	12/4/2013
Barium	220	1.4		mg/Kg-dry	10	12/4/2013
Cadmium	0.84	0.7		mg/Kg-dry	10	12/4/2013
Calcium	5100	840		mg/Kg-dry	100	12/4/2013
Chromium	21	1.4		mg/Kg-dry	10	12/4/2013
Cobalt	5.3	1.4		mg/Kg-dry	10	12/4/2013
Copper	30	3.5		mg/Kg-dry	10	12/4/2013
Iron	12000	420		mg/Kg-dry	100	12/4/2013
Lead	180	0.7		mg/Kg-dry	10	12/4/2013
Manganese	730	1.4		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	7		mg/Kg-dry	10	12/4/2013
Nickel	13	1.4		mg/Kg-dry	10	12/4/2013
Potassium	1100	42		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/4/2013
Silver	ND	1.4		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/4/2013
Tin	ND	7	*	mg/Kg-dry	10	12/4/2013
Titanium	110	3.5	*	mg/Kg-dry	10	12/4/2013
Vanadium	18	1.4		mg/Kg-dry	10	12/4/2013
Zinc	200	7		mg/Kg-dry	10	12/4/2013

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	0.053	0.048		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.27	0.048		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.43	0.048		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.46	0.048		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.29	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	0.34	0.048		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.25	0.048		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.62	0.048		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: 108/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 4:05:00 PM
Lab ID: 13110832-028A	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	0.048		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.36	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	0.25	0.048		mg/Kg-dry	1	12/4/2013
Pyrene	0.48	0.048		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	31.3	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:	111
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:30:00 PM
Lab ID:	13110832-029A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/2/2013
Acenaphthylene	ND	1		µg/wipe	1	12/2/2013
Anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/2/2013
Chrysene	ND	1		µg/wipe	1	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/2/2013
Fluoranthene	ND	1		µg/wipe	1	12/2/2013
Fluorene	ND	1		µg/wipe	1	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/2/2013
Naphthalene	ND	1		µg/wipe	1	12/2/2013
Phenanthrene	ND	1		µg/wipe	1	12/2/2013
Pyrene	ND	1		µg/wipe	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:	111
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:30:00 PM
Lab ID:	13110832-029B	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	130	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	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

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: 111/0-0.5'

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 4:35:00 PM

Lab ID: 13110832-030A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.067	0.023		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7400	210		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.1		mg/Kg-dry	10	12/4/2013
Arsenic	16	1.1		mg/Kg-dry	10	12/4/2013
Barium	280	1.1		mg/Kg-dry	10	12/4/2013
Cadmium	1.4	0.53		mg/Kg-dry	10	12/4/2013
Calcium	65000	640		mg/Kg-dry	100	12/4/2013
Chromium	31	1.1		mg/Kg-dry	10	12/4/2013
Cobalt	6.7	1.1		mg/Kg-dry	10	12/4/2013
Copper	48	2.7		mg/Kg-dry	10	12/4/2013
Iron	18000	320		mg/Kg-dry	100	12/4/2013
Lead	330	0.53		mg/Kg-dry	10	12/4/2013
Manganese	750	1.1		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.3		mg/Kg-dry	10	12/4/2013
Nickel	20	1.1		mg/Kg-dry	10	12/4/2013
Potassium	1900	32		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/4/2013
Silver	ND	1.1		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/4/2013
Tin	8.2	5.3	*	mg/Kg-dry	10	12/4/2013
Titanium	140	2.7	*	mg/Kg-dry	10	12/4/2013
Vanadium	21	1.1		mg/Kg-dry	10	12/4/2013
Zinc	340	5.3		mg/Kg-dry	10	12/4/2013

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	0.044	0.041		mg/Kg-dry	1	12/4/2013
Anthracene	0.1	0.041		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.47	0.041		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.59	0.041		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.64	0.041		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.49	0.041		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.41	0.041		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/4/2013
Chrysene	0.57	0.041		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.28	0.041		mg/Kg-dry	1	12/4/2013
Fluoranthene	1	0.041		mg/Kg-dry	1	12/4/2013

Qualifiers:
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 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:	111/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:35:00 PM
Lab ID:	13110832-030A	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	0.041		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.47	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	0.43	0.041		mg/Kg-dry	1	12/4/2013
Pyrene	0.84	0.041		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	20.5	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
	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:	95
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:50:00 PM
Lab ID:	13110832-031A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/29/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	12/2/2013
Acenaphthylene	ND	1		µg/wipe	1	12/2/2013
Anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	12/2/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	12/2/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	12/2/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	12/2/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	12/2/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	12/2/2013
Chrysene	ND	1		µg/wipe	1	12/2/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	12/2/2013
Fluoranthene	ND	1		µg/wipe	1	12/2/2013
Fluorene	ND	1		µg/wipe	1	12/2/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	12/2/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	12/2/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	12/2/2013
Naphthalene	ND	1		µg/wipe	1	12/2/2013
Phenanthrene	ND	1		µg/wipe	1	12/2/2013
Pyrene	ND	1		µg/wipe	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:	95
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:50:00 PM
Lab ID:	13110832-031B	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	120	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	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	83	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:	95/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:55:00 PM
Lab ID:	13110832-032A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					
Mercury	0.051	0.02		mg/Kg-dry	1	12/3/2013
Prep Date:	12/3/2013					Analyst: LB
Metals by ICP/MS	SW6020 (SW3050B)					Analyst: JG
Aluminum	7800	250		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/4/2013
Arsenic	13	1.3		mg/Kg-dry	10	12/4/2013
Barium	130	1.3		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.63		mg/Kg-dry	10	12/4/2013
Calcium	36000	760		mg/Kg-dry	100	12/4/2013
Chromium	31	1.3		mg/Kg-dry	10	12/4/2013
Cobalt	5.9	1.3		mg/Kg-dry	10	12/4/2013
Copper	46	3.1		mg/Kg-dry	10	12/4/2013
Iron	15000	380		mg/Kg-dry	100	12/4/2013
Lead	82	0.63		mg/Kg-dry	10	12/4/2013
Manganese	450	1.3		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	6.3		mg/Kg-dry	10	12/4/2013
Nickel	16	1.3		mg/Kg-dry	10	12/4/2013
Potassium	1300	38		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/4/2013
Silver	ND	1.3		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/4/2013
Tin	ND	6.3	*	mg/Kg-dry	10	12/4/2013
Titanium	110	3.1	*	mg/Kg-dry	10	12/4/2013
Vanadium	26	1.3		mg/Kg-dry	10	12/4/2013
Zinc	590	6.3		mg/Kg-dry	10	12/4/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.039		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.039		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.15	0.039		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.16	0.039		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.045	0.039		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/4/2013
Chrysene	0.046	0.039		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.13	0.039		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.071	0.039		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:	95/0-0.5'
Lab Order:	13110832	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/27/2013 4:55:00 PM
Lab ID:	13110832-032A	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	ND	0.039		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.14	0.039		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.039	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.039		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.039		mg/Kg-dry	1	12/4/2013
Phenanthrene	ND	0.039		mg/Kg-dry	1	12/4/2013
Pyrene	0.056	0.039		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	16.6	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: DUP-7/0-0.5'

Lab Order: 13110832

Tag Number:

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

Collection Date: 11/27/2013 5:00:00 PM

Lab ID: 13110832-033A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/3/2013	Analyst: LB
Mercury	0.061	0.02		mg/Kg-dry	1	12/3/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	7200	220		mg/Kg-dry	100	12/4/2013
Antimony	ND	2.2		mg/Kg-dry	10	12/4/2013
Arsenic	10	1.1		mg/Kg-dry	10	12/4/2013
Barium	120	1.1		mg/Kg-dry	10	12/4/2013
Cadmium	ND	0.54		mg/Kg-dry	10	12/4/2013
Calcium	44000	650		mg/Kg-dry	100	12/4/2013
Chromium	24	1.1		mg/Kg-dry	10	12/4/2013
Cobalt	6.3	1.1		mg/Kg-dry	10	12/4/2013
Copper	32	2.7		mg/Kg-dry	10	12/4/2013
Iron	15000	330		mg/Kg-dry	100	12/4/2013
Lead	77	0.54		mg/Kg-dry	10	12/4/2013
Manganese	530	1.1		mg/Kg-dry	10	12/4/2013
Molybdenum	ND	5.4		mg/Kg-dry	10	12/4/2013
Nickel	13	1.1		mg/Kg-dry	10	12/4/2013
Potassium	1100	33		mg/Kg-dry	10	12/4/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/4/2013
Silver	ND	1.1		mg/Kg-dry	10	12/4/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/4/2013
Tin	ND	5.4	*	mg/Kg-dry	10	12/4/2013
Titanium	70	2.7	*	mg/Kg-dry	10	12/4/2013
Vanadium	20	1.1		mg/Kg-dry	10	12/4/2013
Zinc	510	5.4		mg/Kg-dry	10	12/4/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.04		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.04		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.04		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.085	0.04		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.2	0.04		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.22	0.04		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.1	0.04		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.089	0.04		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/4/2013
Chrysene	0.11	0.04		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.15	0.04		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.19	0.04		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
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 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: DUP-7/0-0.5'
Lab Order: 13110832	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/27/2013 5:00:00 PM
Lab ID: 13110832-033A	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	0.04		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.19	0.04		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.04	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.04		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.04		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.083	0.04		mg/Kg-dry	1	12/4/2013
Pyrene	0.15	0.04		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	17.0	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

CHAIN OF CUSTODY RECORD N^o: 853238 Page: 1 of 2

Company: Weaver Boas Consultants Client Tracking No.: _____
 Project Number: N/A
 Project Name: William Emanuele
 Project Location: Chicago, IL
 Sampler(s): Paul Ghilca
 Report To: _____
 Phone: _____
 Fax: _____
 e-mail: _____
 QC Level: 1 2 3 4

P.O. No.: _____
 Quote No.: _____
 Turn Around: 24-Hr
 Results Needed: _____

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
102	11/27	7:50	Wipe		X	N	3
102/0-0.5'	11/27	7:55	Soil				2
104		8:35	Wipe				3
104/0-0.5'		8:50	Soil				2
DUP-3		8:40	Wipe				3
DUP-3/0-0.5'		8:55	Soil				1
BLANK-3		8:45	Wipe				3
103		8:20	Wipe				3
103/0-0.5'		9:25	Soil				2
107		9:50	Wipe				3
107/0-0.5'		9:55	Soil				2
106		10:15	Wipe				3
106/0-0.5'		10:20	Soil				2
DUP-4		10:30	Wipe				3
DUP-4/0-0.5'		10:25	Soil				1
BLANK-4		10:35	Wipe				3
105		11:00	Wipe				3
105/0-0.5'		11:05	Soil				2
97		11:30	Wipe				3
97/0-0.5'		11:35	Soil				2

Relinquished by: (Signature) _____ Date/Time: 11/27/13 19:52
 Received by: (Signature) _____ Date/Time: 11/27/13 19:52
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____

Remarks	Lab No.:
X 1 Hold	001
X 1 Hold	002
X 1 Hold	003
X 1 Hold	004
X 1 Hold	005
X 1 Hold	006
X 1 Hold	007
X 1 Hold	008
X 1 Hold	009
X 1 Hold	010
X 1 Hold	011
X 1 Hold	012
X 1 Hold	013
X 1 Hold	014
X 1 Hold	015
X 1 Hold	016
X 1 Hold	017
X 1 Hold	018
X 1 Hold	019
X 1 Hold	020

Laboratory Work Order No.: 13110832
 Comments: METALS - Sb, As, Ba, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Thallium, Sn, V, Zn, Al, Ca, Fe, Mn, Mo, K, Rb, Sr, Thorium, Ti, Zr
 Preservation Code: A = None B = HNO₃ C = NaOH
 D = H₂SO₄ E = HCl F = 5035/EnCore G = Other
 Received on Ice: Yes No
 Temperature: 2.8 °C

CHAIN OF CUSTODY RECORD No: 853236 Page: 2 of 2

Company: WEAVER BOOS
 Project Number: N/A Client Tracking No.:
 Project Name: Quinn Emmanuel
 Project Location: CHICAGO, IL
 Sampler(s): P. Greuca
 Report To: Pgruca@weaverboos.com Phone: _____
 QC Level: 1 2 3 4

P.O. No.: _____
 Quote No.: _____

Results Needed:	am/pm
Metals	
RAHS	
2. CHLOROPHENOL	
2. METALLOID ARSENIC	
1. METALLOID MERCURY	

Turn Around:
24-HR

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
DUP-5/0-0.5'	11/27	11:40	Soil				1	X1 HOLD	021
110		14:40					3		022
110/0-0.5'		14:48					2		023
109		15:40					3		024
109/0-0.5'		15:15					2		025
DUP-6/0-0.5'		15:20					1		026
108		16:00					3		027
108/0-0.5'		16:05					2		028
111		16:30					3		029
111/0-0.5'		16:35					2		030
95		16:50					3		031
95/0-0.5'		16:55					2		032
DUP-7/0-0.5'		17:00					1		033

Relinquished by: (Signature) [Signature] Date/Time: 11-27-13 14:52
 Received by: (Signature) [Signature] Date/Time: 12-7-13 19:52
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____

Comments:
 Laboratory Work Order No.: 13110832
 Received on Ice: Yes No
 Temperature: 2.8 °C

Preservation Code: A = None B = HNO₃ C = NaOH
 D = H₂SO₄ E = HCl F = 5035/EnCore G = Other

Sample Receipt Checklist

Client Name: **WEAVER BOOS**

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

Work Order Number **13110832**

Received by: **DO**

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

Reviewed by: **ac** **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 **2.8 °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 '3682300-07' AND NAME 'PET COKE AND COAL STUDY' PER PAUL GRUCA E-MAIL 11/13/2014 0917