



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 13110794

Dear Andy Perdue:

STAT Analysis received 71 samples for the referenced project on 11/26/2013 6:43:00 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: 13110794

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110794-001A	69		11/26/2013 9:46:00 AM	11/26/2013
13110794-001B	69		11/26/2013 9:46:00 AM	11/26/2013
13110794-002A	69/0-0.5'		11/26/2013 9:46:00 AM	11/26/2013
13110794-003A	56		11/26/2013 10:15:00 AM	11/26/2013
13110794-003B	56		11/26/2013 10:15:00 AM	11/26/2013
13110794-004A	56/0-0.5'		11/26/2013 10:15:00 AM	11/26/2013
13110794-005A	57		11/26/2013 10:35:00 AM	11/26/2013
13110794-005B	57		11/26/2013 10:35:00 AM	11/26/2013
13110794-006A	57/0-0.5'		11/26/2013 10:35:00 AM	11/26/2013
13110794-007A	58		11/26/2013 11:03:00 AM	11/26/2013
13110794-007B	58		11/26/2013 11:03:00 AM	11/26/2013
13110794-008A	58/0-0.5'		11/26/2013 11:03:00 AM	11/26/2013
13110794-009A	65		11/26/2013 11:55:00 AM	11/26/2013
13110794-009B	65		11/26/2013 11:55:00 AM	11/26/2013
13110794-010A	65/0-0.5'		11/26/2013 11:55:00 AM	11/26/2013
13110794-011A	76		11/26/2013 12:20:00 PM	11/26/2013
13110794-011B	76		11/26/2013 12:20:00 PM	11/26/2013
13110794-012A	76/0-0.5'		11/26/2013 12:20:00 PM	11/26/2013
13110794-013A	79		11/26/2013 12:30:00 PM	11/26/2013
13110794-013B	79		11/26/2013 12:30:00 PM	11/26/2013
13110794-014A	79/0-0.5'		11/26/2013 12:30:00 PM	11/26/2013
13110794-015A	75		11/26/2013 12:50:00 PM	11/26/2013
13110794-015B	75		11/26/2013 12:50:00 PM	11/26/2013
13110794-016A	75/0-0.5'		11/26/2013 12:50:00 PM	11/26/2013
13110794-017A	81		11/26/2013 1:10:00 PM	11/26/2013
13110794-017B	81		11/26/2013 1:10:00 PM	11/26/2013
13110794-018A	81/0-0.5'		11/26/2013 1:10:00 PM	11/26/2013
13110794-019A	82		11/26/2013 1:33:00 PM	11/26/2013
13110794-019B	82		11/26/2013 1:33:00 PM	11/26/2013
13110794-020A	82/0-0.5'		11/26/2013 1:33:00 PM	11/26/2013
13110794-021A	85		11/26/2013 1:50:00 PM	11/26/2013
13110794-021B	85		11/26/2013 1:50:00 PM	11/26/2013
13110794-022A	85/0-0.5'		11/26/2013 1:50:00 PM	11/26/2013
13110794-023A	84		11/26/2013 2:15:00 PM	11/26/2013
13110794-023B	84		11/26/2013 2:15:00 PM	11/26/2013
13110794-024A	84/0-0.5'		11/26/2013 2:15:00 PM	11/26/2013
13110794-025A	73		11/26/2013 2:32:00 PM	11/26/2013
13110794-025B	73		11/26/2013 2:32:00 PM	11/26/2013

Client: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110794-026A	73/0-0.5'		11/26/2013 2:32:00 PM	11/26/2013
13110794-027A	55		11/26/2013 2:51:00 PM	11/26/2013
13110794-027B	55		11/26/2013 2:51:00 PM	11/26/2013
13110794-028A	55/0-0.5'		11/26/2013 2:51:00 PM	11/26/2013
13110794-029A	89		11/26/2013 3:10:00 PM	11/26/2013
13110794-029B	89		11/26/2013 3:10:00 PM	11/26/2013
13110794-030A	89/0-0.5'		11/26/2013 3:10:00 PM	11/26/2013
13110794-031A	53		11/26/2013 3:30:00 PM	11/26/2013
13110794-031B	53		11/26/2013 3:30:00 PM	11/26/2013
13110794-032A	53/0-0.5'		11/26/2013 3:30:00 PM	11/26/2013
13110794-033A	60		11/26/2013 4:05:00 PM	11/26/2013
13110794-033B	60		11/26/2013 4:05:00 PM	11/26/2013
13110794-034A	60/0-0.5'		11/26/2013 4:15:00 PM	11/26/2013
13110794-035A	44		11/26/2013 4:15:00 PM	11/26/2013
13110794-035B	44		11/26/2013 4:15:00 PM	11/26/2013
13110794-036A	44/0-0.5'		11/26/2013 4:15:00 PM	11/26/2013
13110794-037A	46		11/26/2013 4:35:00 PM	11/26/2013
13110794-037B	46		11/26/2013 4:35:00 PM	11/26/2013
13110794-038A	46/0-0.5'		11/26/2013 4:35:00 PM	11/26/2013
13110794-039A	Dup-1		11/26/2013	11/26/2013
13110794-039B	Dup-1		11/26/2013	11/26/2013
13110794-040A	Dup-1/0-0.5'		11/26/2013	11/26/2013
13110794-041A	Dup-2		11/26/2013	11/26/2013
13110794-041B	Dup-2		11/26/2013	11/26/2013
13110794-042A	Dup-2/0-0.5'		11/26/2013	11/26/2013
13110794-043A	Field Blank-1		11/26/2013 1:10:00 PM	11/26/2013
13110794-043B	Field Blank-1		11/26/2013 1:10:00 PM	11/26/2013
13110794-044A	101		11/26/2013 11:40:00 AM	11/26/2013
13110794-044B	101		11/26/2013 11:40:00 AM	11/26/2013
13110794-045A	101/0-0.5'		11/26/2013 12:10:00 PM	11/26/2013
13110794-046A	99		11/26/2013 12:30:00 PM	11/26/2013
13110794-046B	99		11/26/2013 12:30:00 PM	11/26/2013
13110794-047A	99/0-0.5'		11/26/2013 12:35:00 PM	11/26/2013
13110794-048A	8		11/26/2013 12:45:00 PM	11/26/2013
13110794-048B	8		11/26/2013 12:45:00 PM	11/26/2013
13110794-049A	8/0-0.5'		11/26/2013 12:50:00 PM	11/26/2013
13110794-050A	10		11/26/2013 1:15:00 PM	11/26/2013
13110794-050B	10		11/26/2013 1:15:00 PM	11/26/2013
13110794-051A	10/0-0.5'		11/26/2013 1:25:00 PM	11/26/2013
13110794-052A	Dup-1		11/26/2013 1:20:00 PM	11/26/2013

Client: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110794

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
13110794-052B Dup-1			11/26/2013 1:20:00 PM	11/26/2013
13110794-053A Dup-1/0-0.5'			11/26/2013 1:30:00 PM	11/26/2013
13110794-054A Blank-1			11/26/2013 1:40:00 PM	11/26/2013
13110794-054B Blank-1			11/26/2013 1:40:00 PM	11/26/2013
13110794-055A 9			11/26/2013 1:55:00 PM	11/26/2013
13110794-055B 9			11/26/2013 1:55:00 PM	11/26/2013
13110794-056A 9/0-0.5'			11/26/2013 2:00:00 PM	11/26/2013
13110794-057A 20			11/26/2013 2:20:00 PM	11/26/2013
13110794-057B 20			11/26/2013 2:20:00 PM	11/26/2013
13110794-058A 20/0-0.5'			11/26/2013 2:25:00 PM	11/26/2013
13110794-059A 35			11/26/2013 2:40:00 PM	11/26/2013
13110794-059B 35			11/26/2013 2:40:00 PM	11/26/2013
13110794-060A 35/0-0.5'			11/26/2013 2:45:00 PM	11/26/2013
13110794-061A 116			11/26/2013 3:20:00 PM	11/26/2013
13110794-061B 116			11/26/2013 3:20:00 PM	11/26/2013
13110794-062A 116/0-0.5'			11/26/2013 3:25:00 PM	11/26/2013
13110794-063A 117			11/26/2013 3:40:00 PM	11/26/2013
13110794-063B 117			11/26/2013 3:40:00 PM	11/26/2013
13110794-064A 117/0-0.5'			11/26/2013 3:45:00 PM	11/26/2013
13110794-065A 86			11/26/2013 4:20:00 PM	11/26/2013
13110794-065B 86			11/26/2013 4:20:00 PM	11/26/2013
13110794-066A 86/0-0.5'			11/26/2013 4:30:00 PM	11/26/2013
13110794-067A Dup-2			11/26/2013 4:25:00 PM	11/26/2013
13110794-067B Dup-2			11/26/2013 4:25:00 PM	11/26/2013
13110794-068A Dup-2/0-0.5'			11/26/2013 4:35:00 PM	11/26/2013
13110794-069A Blank-2			11/26/2013 4:40:00 PM	11/26/2013
13110794-069B Blank-2			11/26/2013 4:40:00 PM	11/26/2013
13110794-070A 87			11/26/2013 5:05:00 PM	11/26/2013
13110794-070B 87			11/26/2013 5:05:00 PM	11/26/2013
13110794-071A 87/0-0.5'			11/26/2013 5:10:00 PM	11/26/2013

CLIENT: Weaver Boos
Project: 3682-300-07, Pet Coke and Coal Study
Lab Order: 13110794

CASE NARRATIVE

The metals Laboratory Control Sample (Preparation Batch 73460) had recovery outside of control limits for Potassium (77% 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: 69

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 9:46:00 AM

Lab ID: 13110794-001A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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:	69
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 9:46:00 AM
Lab ID:	13110794-001B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	28	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	200	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	3.8	2.5		µg/wipe	10	11/27/2013
Iron	49	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	5.3	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	2.5	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	180	50		µg/wipe	10	11/27/2013

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: 69/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 9:46:00 AM
Lab ID: 13110794-002A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.22	0.022		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	7700	320		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.2		mg/Kg-dry	10	12/3/2013
Arsenic	28	1.6		mg/Kg-dry	10	12/3/2013
Barium	130	16		mg/Kg-dry	100	12/3/2013
Cadmium	3.9	0.8		mg/Kg-dry	10	12/3/2013
Calcium	26000	960		mg/Kg-dry	100	12/3/2013
Chromium	80	1.6		mg/Kg-dry	10	12/3/2013
Cobalt	7.7	1.6		mg/Kg-dry	10	12/3/2013
Copper	91	4		mg/Kg-dry	10	12/3/2013
Iron	22000	480		mg/Kg-dry	100	12/3/2013
Lead	190	0.8		mg/Kg-dry	10	12/3/2013
Manganese	1000	1.6		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	8		mg/Kg-dry	10	12/3/2013
Nickel	29	1.6		mg/Kg-dry	10	12/3/2013
Potassium	1800	480		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.6		mg/Kg-dry	10	12/3/2013
Silver	2	1.6		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.6		mg/Kg-dry	10	12/3/2013
Tin	10	8	*	mg/Kg-dry	10	12/3/2013
Titanium	140	4	*	mg/Kg-dry	10	12/3/2013
Vanadium	28	1.6		mg/Kg-dry	10	12/3/2013
Zinc	510	8		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.15	0.048		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.074	0.048		mg/Kg-dry	1	12/3/2013
Anthracene	0.39	0.048		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.3	0.048		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.4	0.048		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.4	0.048		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.93	0.048		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1.1	0.048		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.25		mg/Kg-dry	1	12/3/2013
Chrysene	1.5	0.048		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.45	0.048		mg/Kg-dry	1	12/3/2013
Fluoranthene	3.5	0.048		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
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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:	69/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 9:46:00 AM
Lab ID:	13110794-002A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.16	0.048		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.72	0.048		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.052	0.048	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.08	0.048		mg/Kg-dry	1	12/3/2013
Naphthalene	0.095	0.048		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.7	0.048		mg/Kg-dry	1	12/3/2013
Pyrene	3	0.048		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: SDA
Percent Moisture	31.9	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
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 56

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 10:15:00 AM

Lab ID: 13110794-003A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(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

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: 56

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 10:15:00 AM

Lab ID: 13110794-003B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	40	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	680	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	4.3	2.5		µg/wipe	10	11/27/2013
Iron	210	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	31	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	2.8	2.5		µg/wipe	10	11/27/2013
Potassium	170	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	110	50		µg/wipe	10	11/27/2013

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:	56/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 10:15:00 AM
Lab ID:	13110794-004A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.063	0.021		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	7100	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/3/2013
Arsenic	9.8	1.2		mg/Kg-dry	10	12/3/2013
Barium	150	12		mg/Kg-dry	100	12/3/2013
Cadmium	1.4	0.6		mg/Kg-dry	10	12/3/2013
Calcium	85000	720		mg/Kg-dry	100	12/3/2013
Chromium	150	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	7.1	1.2		mg/Kg-dry	10	12/3/2013
Copper	93	3		mg/Kg-dry	10	12/3/2013
Iron	54000	360		mg/Kg-dry	100	12/3/2013
Lead	370	0.6		mg/Kg-dry	10	12/3/2013
Manganese	2900	12		mg/Kg-dry	100	12/3/2013
Molybdenum	16	6		mg/Kg-dry	10	12/3/2013
Nickel	78	1.2		mg/Kg-dry	10	12/3/2013
Potassium	780	360		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	15	6	*	mg/Kg-dry	10	12/3/2013
Titanium	360	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	42	1.2		mg/Kg-dry	10	12/3/2013
Zinc	680	6		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.068	0.039		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.056	0.039		mg/Kg-dry	1	12/3/2013
Anthracene	0.23	0.039		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.5	0.039		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.7	0.039		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.7	0.039		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	2.2	0.039		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1	0.039		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/3/2013
Chrysene	2.3	0.039		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.86	0.039		mg/Kg-dry	1	12/3/2013
Fluoranthene	3.3	0.039		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	56/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 10:15:00 AM
Lab ID:	13110794-004A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.087	0.039		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	1.2	0.039		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.093	0.039	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.2	0.039		mg/Kg-dry	1	12/3/2013
Naphthalene	0.12	0.039		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.4	0.039		mg/Kg-dry	1	12/3/2013
Pyrene	3	0.039		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: SDA
Percent Moisture	15.2	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
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	57
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 10:35:00 AM
Lab ID:	13110794-005A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
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	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:	57
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 10:35:00 AM
Lab ID:	13110794-005B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	29	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	260	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	ND	2.5		µg/wipe	10	11/27/2013
Iron	76	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	12	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	82	50		µg/wipe	10	11/27/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	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: 57/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 10:35:00 AM
Lab ID: 13110794-006A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.062	0.032		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	9400	320		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.2		mg/Kg-dry	10	12/3/2013
Arsenic	9.5	1.6		mg/Kg-dry	10	12/3/2013
Barium	110	16		mg/Kg-dry	100	12/3/2013
Cadmium	1.1	0.8		mg/Kg-dry	10	12/3/2013
Calcium	23000	960		mg/Kg-dry	100	12/3/2013
Chromium	38	1.6		mg/Kg-dry	10	12/3/2013
Cobalt	8.4	1.6		mg/Kg-dry	10	12/3/2013
Copper	58	4		mg/Kg-dry	10	12/3/2013
Iron	21000	480		mg/Kg-dry	100	12/3/2013
Lead	200	0.8		mg/Kg-dry	10	12/3/2013
Manganese	920	1.6		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	8		mg/Kg-dry	10	12/3/2013
Nickel	26	1.6		mg/Kg-dry	10	12/3/2013
Potassium	2300	480		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.6		mg/Kg-dry	10	12/3/2013
Silver	ND	1.6		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.6		mg/Kg-dry	10	12/3/2013
Tin	ND	8	*	mg/Kg-dry	10	12/3/2013
Titanium	140	4	*	mg/Kg-dry	10	12/3/2013
Vanadium	29	1.6		mg/Kg-dry	10	12/3/2013
Zinc	390	8		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.056		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.056		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.056		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.35	0.056		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.32	0.056		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.33	0.056		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.32	0.056		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.27	0.056		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.29		mg/Kg-dry	1	12/3/2013
Chrysene	0.42	0.056		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.16	0.056		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.68	0.056		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	57/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 10:35:00 AM
Lab ID:	13110794-006A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2013		Analyst: DM
Fluorene	ND	0.056		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.24	0.056		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.056	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.056		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.056		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.23	0.056		mg/Kg-dry	1	12/3/2013
Pyrene	0.62	0.056		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974			Prep Date: 12/2/2013		Analyst: SDA
Percent Moisture	41.3	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: 58

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 11:03:00 AM

Lab ID: 13110794-007A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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

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:	58
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 11:03:00 AM
Lab ID:	13110794-007B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	510	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	17	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	7600	100		µg/wipe	10	11/27/2013
Chromium	13	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	17	2.5		µg/wipe	10	11/27/2013
Iron	2900	10		µg/wipe	10	11/27/2013
Lead	12	2.5		µg/wipe	10	11/27/2013
Manganese	300	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	7.9	2.5		µg/wipe	10	11/27/2013
Potassium	410	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	20	2.5	*	µg/wipe	10	11/27/2013
Vanadium	3.9	2.5		µg/wipe	10	11/27/2013
Zinc	220	50		µg/wipe	10	11/27/2013

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: 58/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 11:03:00 AM
Lab ID: 13110794-008A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.046	0.02		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	3800	210		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.1		mg/Kg-dry	10	12/3/2013
Arsenic	4.5	1.1		mg/Kg-dry	10	12/3/2013
Barium	71	11		mg/Kg-dry	100	12/3/2013
Cadmium	0.6	0.53		mg/Kg-dry	10	12/3/2013
Calcium	110000	630		mg/Kg-dry	100	12/3/2013
Chromium	69	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	3.9	1.1		mg/Kg-dry	10	12/3/2013
Copper	64	2.6		mg/Kg-dry	10	12/3/2013
Iron	19000	320		mg/Kg-dry	100	12/3/2013
Lead	71	0.53		mg/Kg-dry	10	12/3/2013
Manganese	970	11		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	5.3		mg/Kg-dry	10	12/3/2013
Nickel	26	1.1		mg/Kg-dry	10	12/3/2013
Potassium	460	320		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	6.2	5.3	*	mg/Kg-dry	10	12/3/2013
Titanium	160	2.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	23	1.1		mg/Kg-dry	10	12/3/2013
Zinc	300	5.3		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.037		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.037		mg/Kg-dry	1	12/3/2013
Anthracene	0.11	0.037		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.75	0.037		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.1	0.037		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.93	0.037		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.6	0.037		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.51	0.037		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	12/3/2013
Chrysene	1.2	0.037		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.57	0.037		mg/Kg-dry	1	12/3/2013
Fluoranthene	1.3	0.037		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	58/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 11:03:00 AM
Lab ID:	13110794-008A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.044	0.037		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.7	0.037		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.061	0.037	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.14	0.037		mg/Kg-dry	1	12/3/2013
Naphthalene	0.073	0.037		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.61	0.037		mg/Kg-dry	1	12/3/2013
Pyrene	1.3	0.037		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	11.4	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: 65

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 11:55:00 AM

Lab ID: 13110794-009A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
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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:	65
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 11:55:00 AM
Lab ID:	13110794-009B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	6.7	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	310	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	ND	2.5		µg/wipe	10	11/27/2013
Iron	17	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	2.8	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	150	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	79	50		µg/wipe	10	11/27/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	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:	65/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 11:55:00 AM
Lab ID:	13110794-010A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					
Mercury	5.8	0.2		mg/Kg-dry	10	12/2/2013
Prep Date:	12/2/2013					Analyst: LB
Metals by ICP/MS	SW6020 (SW3050B)					Analyst: JG
Aluminum	5600	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/3/2013
Arsenic	14	1.3		mg/Kg-dry	10	12/3/2013
Barium	130	13		mg/Kg-dry	100	12/3/2013
Cadmium	2.5	0.65		mg/Kg-dry	10	12/3/2013
Calcium	19000	780		mg/Kg-dry	100	12/3/2013
Chromium	32	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	5.4	1.3		mg/Kg-dry	10	12/3/2013
Copper	43	3.2		mg/Kg-dry	10	12/3/2013
Iron	18000	390		mg/Kg-dry	100	12/3/2013
Lead	350	0.65		mg/Kg-dry	10	12/3/2013
Manganese	770	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.5		mg/Kg-dry	10	12/3/2013
Nickel	21	1.3		mg/Kg-dry	10	12/3/2013
Potassium	1000	390		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	9.5	6.5	*	mg/Kg-dry	10	12/3/2013
Titanium	190	3.2	*	mg/Kg-dry	10	12/3/2013
Vanadium	25	1.3		mg/Kg-dry	10	12/3/2013
Zinc	390	6.5		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					Analyst: DM
Acenaphthene	ND	0.044		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.044		mg/Kg-dry	1	12/3/2013
Anthracene	0.061	0.044		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.32	0.044		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.33	0.044		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.4	0.044		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.38	0.044		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.28	0.044		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/3/2013
Chrysene	0.41	0.044		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.19	0.044		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.56	0.044		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 65/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 11:55:00 AM
Lab ID: 13110794-010A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.044		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.3	0.044		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.044	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.048	0.044		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.044		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.25	0.044		mg/Kg-dry	1	12/3/2013
Pyrene	0.54	0.044		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	25.1	0.2	*	wt%	1	12/2/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 76

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:20:00 PM

Lab ID: 13110794-011A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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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:	76
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:20:00 PM
Lab ID:	13110794-011B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	94	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	2.7	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	730	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	3.7	2.5		µg/wipe	10	11/27/2013
Iron	240	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	26	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	7.3	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	160	50		µg/wipe	10	11/27/2013

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: 76/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:20:00 PM

Lab ID: 13110794-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.1	0.022		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	6000	270		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.7		mg/Kg-dry	10	12/3/2013
Arsenic	9.9	1.4		mg/Kg-dry	10	12/3/2013
Barium	100	14		mg/Kg-dry	100	12/3/2013
Cadmium	1.8	0.68		mg/Kg-dry	10	12/3/2013
Calcium	23000	810		mg/Kg-dry	100	12/3/2013
Chromium	39	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	4.1	1.4		mg/Kg-dry	10	12/3/2013
Copper	48	3.4		mg/Kg-dry	10	12/3/2013
Iron	15000	410		mg/Kg-dry	100	12/3/2013
Lead	190	0.68		mg/Kg-dry	10	12/3/2013
Manganese	920	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.8		mg/Kg-dry	10	12/3/2013
Nickel	14	1.4		mg/Kg-dry	10	12/3/2013
Potassium	690	410		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	8.4	6.8	*	mg/Kg-dry	10	12/3/2013
Titanium	210	3.4	*	mg/Kg-dry	10	12/3/2013
Vanadium	25	1.4		mg/Kg-dry	10	12/3/2013
Zinc	320	6.8		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.17	0.044		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.11	0.044		mg/Kg-dry	1	12/3/2013
Anthracene	0.56	0.044		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.8	0.044		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.5	0.044		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.3	0.044		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.3	0.044		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1.2	0.044		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/3/2013
Chrysene	1.9	0.044		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.61	0.044		mg/Kg-dry	1	12/3/2013
Fluoranthene	3.8	0.044		mg/Kg-dry	1	12/3/2013

Qualifiers:
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 B - Analyte detected in the associated Method Blank
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 R - RPD outside accepted recovery limits
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 76/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:20:00 PM

Lab ID: 13110794-012A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.18	0.044		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	1.1	0.044		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.076	0.044	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.078	0.044		mg/Kg-dry	1	12/3/2013
Naphthalene	0.077	0.044		mg/Kg-dry	1	12/3/2013
Phenanthrene	2.2	0.044		mg/Kg-dry	1	12/3/2013
Pyrene	3.7	0.044		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	24.6	0.2	*	wt%	1	12/2/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 79

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:30:00 PM

Lab ID: 13110794-013A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(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: 79

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:30:00 PM

Lab ID: 13110794-013B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013		Analyst: LB	
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013		Analyst: JG	
Aluminum	17	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	260	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	ND	2.5		µg/wipe	10	11/27/2013
Iron	40	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	13	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	83	50		µg/wipe	10	11/27/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 79/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 12:30:00 PM
Lab ID: 13110794-014A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.13	0.027		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	6000	290		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.9		mg/Kg-dry	10	12/3/2013
Arsenic	43	1.4		mg/Kg-dry	10	12/3/2013
Barium	90	14		mg/Kg-dry	100	12/3/2013
Cadmium	1.4	0.72		mg/Kg-dry	10	12/3/2013
Calcium	21000	870		mg/Kg-dry	100	12/3/2013
Chromium	37	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	4.4	1.4		mg/Kg-dry	10	12/3/2013
Copper	29	3.6		mg/Kg-dry	10	12/3/2013
Iron	24000	430		mg/Kg-dry	100	12/3/2013
Lead	140	0.72		mg/Kg-dry	10	12/3/2013
Manganese	800	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.2		mg/Kg-dry	10	12/3/2013
Nickel	14	1.4		mg/Kg-dry	10	12/3/2013
Potassium	580	430		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	ND	7.2	*	mg/Kg-dry	10	12/3/2013
Titanium	170	3.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	24	1.4		mg/Kg-dry	10	12/3/2013
Zinc	260	7.2		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.046		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.055	0.046		mg/Kg-dry	1	12/3/2013
Anthracene	0.14	0.046		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.63	0.046		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.61	0.046		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.57	0.046		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.51	0.046		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.46	0.046		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/3/2013
Chrysene	0.66	0.046		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.27	0.046		mg/Kg-dry	1	12/3/2013
Fluoranthene	1.1	0.046		mg/Kg-dry	1	12/3/2013

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

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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: 79/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 12:30:00 PM
Lab ID: 13110794-014A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.046		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.42	0.046		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.046	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.54	0.046		mg/Kg-dry	1	12/3/2013
Pyrene	1	0.046		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	27.5	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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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: 75

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:50:00 PM

Lab ID: 13110794-015A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(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

STAT Analysis Corporation

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	75
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:50:00 PM
Lab ID:	13110794-015B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	51	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	260	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	300	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	ND	2.5		µg/wipe	10	11/27/2013
Iron	120	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	12	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	2.5	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	82	50		µg/wipe	10	11/27/2013

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: 75/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:50:00 PM

Lab ID: 13110794-016A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.06	0.037		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	8500	390		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.9		mg/Kg-dry	10	12/3/2013
Arsenic	6.5	1.9		mg/Kg-dry	10	12/3/2013
Barium	110	19		mg/Kg-dry	100	12/3/2013
Cadmium	ND	0.97		mg/Kg-dry	10	12/3/2013
Calcium	14000	1200		mg/Kg-dry	100	12/3/2013
Chromium	23	1.9		mg/Kg-dry	10	12/3/2013
Cobalt	7.6	1.9		mg/Kg-dry	10	12/3/2013
Copper	49	4.9		mg/Kg-dry	10	12/3/2013
Iron	15000	580		mg/Kg-dry	100	12/3/2013
Lead	45	0.97		mg/Kg-dry	10	12/3/2013
Manganese	720	1.9		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	9.7		mg/Kg-dry	10	12/3/2013
Nickel	17	1.9		mg/Kg-dry	10	12/3/2013
Potassium	1700	580		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.9		mg/Kg-dry	10	12/3/2013
Silver	ND	1.9		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.9		mg/Kg-dry	10	12/3/2013
Tin	ND	9.7	*	mg/Kg-dry	10	12/3/2013
Titanium	150	4.9	*	mg/Kg-dry	10	12/3/2013
Vanadium	28	1.9		mg/Kg-dry	10	12/3/2013
Zinc	280	9.7		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.065		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.065		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.065		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.19	0.065		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.22	0.065		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.22	0.065		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.31	0.065		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	ND	0.065		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.34		mg/Kg-dry	1	12/3/2013
Chrysene	0.42	0.065		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.11	0.065		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.15	0.065		mg/Kg-dry	1	12/3/2013

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:	75/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:50:00 PM
Lab ID:	13110794-016A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.065		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.1	0.065		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.065	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.065		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.065		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.13	0.065		mg/Kg-dry	1	12/3/2013
Pyrene	0.28	0.065		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	49.4	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	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: 81

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:10:00 PM

Lab ID: 13110794-017A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(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
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	81
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:10:00 PM
Lab ID:	13110794-017B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	27	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	140	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	ND	2.5		µg/wipe	10	11/27/2013
Iron	21	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	3.2	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	77	50		µg/wipe	10	11/27/2013

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: 81/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:10:00 PM

Lab ID: 13110794-018A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.1	0.024		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	4500	250		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/3/2013
Arsenic	6.3	1.2		mg/Kg-dry	10	12/3/2013
Barium	60	12		mg/Kg-dry	100	12/3/2013
Cadmium	1.3	0.62		mg/Kg-dry	10	12/3/2013
Calcium	29000	750		mg/Kg-dry	100	12/3/2013
Chromium	47	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	3.2	1.2		mg/Kg-dry	10	12/3/2013
Copper	36	3.1		mg/Kg-dry	10	12/3/2013
Iron	12000	370		mg/Kg-dry	100	12/3/2013
Lead	150	0.62		mg/Kg-dry	10	12/3/2013
Manganese	850	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.2		mg/Kg-dry	10	12/3/2013
Nickel	12	1.2		mg/Kg-dry	10	12/3/2013
Potassium	880	370		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6.2	*	mg/Kg-dry	10	12/3/2013
Titanium	140	3.1	*	mg/Kg-dry	10	12/3/2013
Vanadium	17	1.2		mg/Kg-dry	10	12/3/2013
Zinc	540	6.2		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.072	0.045		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.092	0.045		mg/Kg-dry	1	12/3/2013
Anthracene	0.23	0.045		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.93	0.045		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.85	0.045		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.84	0.045		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.84	0.045		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.72	0.045		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/3/2013
Chrysene	1.1	0.045		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.41	0.045		mg/Kg-dry	1	12/3/2013
Fluoranthene	2.2	0.045		mg/Kg-dry	1	12/3/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	81/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:10:00 PM
Lab ID:	13110794-018A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.078	0.045		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.66	0.045		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.045	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.045		mg/Kg-dry	1	12/3/2013
Naphthalene	0.047	0.045		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.91	0.045		mg/Kg-dry	1	12/3/2013
Pyrene	1.9	0.045		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	26.5	0.2	*	wt%	1	12/2/2013

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

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	82
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:33:00 PM
Lab ID:	13110794-019A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	82
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:33:00 PM
Lab ID:	13110794-019B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	23	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	520	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	ND	2.5		µg/wipe	10	11/27/2013
Iron	100	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	13	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	160	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	99	50		µg/wipe	10	11/27/2013

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: 82/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:33:00 PM

Lab ID: 13110794-020A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.057	0.031		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	6200	320		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.2		mg/Kg-dry	10	12/3/2013
Arsenic	7.5	1.6		mg/Kg-dry	10	12/3/2013
Barium	88	16		mg/Kg-dry	100	12/3/2013
Cadmium	1.4	0.79		mg/Kg-dry	10	12/3/2013
Calcium	37000	950		mg/Kg-dry	100	12/3/2013
Chromium	43	1.6		mg/Kg-dry	10	12/3/2013
Cobalt	4.4	1.6		mg/Kg-dry	10	12/3/2013
Copper	42	3.9		mg/Kg-dry	10	12/3/2013
Iron	13000	470		mg/Kg-dry	100	12/3/2013
Lead	160	0.79		mg/Kg-dry	10	12/3/2013
Manganese	1000	1.6		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.9		mg/Kg-dry	10	12/3/2013
Nickel	15	1.6		mg/Kg-dry	10	12/3/2013
Potassium	1200	470		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.6		mg/Kg-dry	10	12/3/2013
Silver	ND	1.6		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.6		mg/Kg-dry	10	12/3/2013
Tin	ND	7.9	*	mg/Kg-dry	10	12/3/2013
Titanium	190	3.9	*	mg/Kg-dry	10	12/3/2013
Vanadium	21	1.6		mg/Kg-dry	10	12/3/2013
Zinc	310	7.9		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.08	0.054		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.077	0.054		mg/Kg-dry	1	12/3/2013
Anthracene	0.2	0.054		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.1	0.054		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.1	0.054		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.2	0.054		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.1	0.054		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1	0.054		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.28		mg/Kg-dry	1	12/3/2013
Chrysene	1.4	0.054		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.49	0.054		mg/Kg-dry	1	12/3/2013
Fluoranthene	2.7	0.054		mg/Kg-dry	1	12/3/2013

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

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

STAT Analysis Corporation

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

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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:	82/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:33:00 PM
Lab ID:	13110794-020A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 12/2/2013		Analyst: DM
Fluorene	0.082	0.054		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.91	0.054		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.054	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.054		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.054		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.4	0.054		mg/Kg-dry	1	12/3/2013
Pyrene	2.1	0.054		mg/Kg-dry	1	12/3/2013
Percent Moisture		D2974		Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	38.9	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: 85

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:50:00 PM

Lab ID: 13110794-021A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	85
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:50:00 PM
Lab ID:	13110794-021B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	62	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	320	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	3.7	2.5		µg/wipe	10	11/27/2013
Iron	100	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	7	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	180	50		µg/wipe	10	11/27/2013

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: 85/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:50:00 PM

Lab ID: 13110794-022A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.08	0.024		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	7200	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/3/2013
Arsenic	3.7	1.3		mg/Kg-dry	10	12/3/2013
Barium	55	13		mg/Kg-dry	100	12/3/2013
Cadmium	ND	6.6		mg/Kg-dry	100	12/3/2013
Cadmium	0.93	0.66		mg/Kg-dry	10	12/3/2013
Calcium	11000	790		mg/Kg-dry	100	12/3/2013
Chromium	34	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	4.2	1.3		mg/Kg-dry	10	12/3/2013
Copper	24	3.3		mg/Kg-dry	10	12/3/2013
Iron	15000	400		mg/Kg-dry	100	12/3/2013
Lead	53	0.66		mg/Kg-dry	10	12/3/2013
Manganese	570	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.6		mg/Kg-dry	10	12/3/2013
Nickel	16	1.3		mg/Kg-dry	10	12/3/2013
Potassium	1300	400		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	ND	6.6	*	mg/Kg-dry	10	12/3/2013
Titanium	100	3.3	*	mg/Kg-dry	10	12/3/2013
Vanadium	20	1.3		mg/Kg-dry	10	12/3/2013
Zinc	200	6.6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.042		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.33	0.042		mg/Kg-dry	1	12/3/2013
Anthracene	0.21	0.042		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.81	0.042		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.65	0.042		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.55	0.042		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.52	0.042		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.57	0.042		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/3/2013
Chrysene	0.77	0.042		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.24	0.042		mg/Kg-dry	1	12/3/2013

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
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 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:	85/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:50:00 PM
Lab ID:	13110794-022A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluoranthene	2	0.042		mg/Kg-dry	1	12/3/2013
Fluorene	0.056	0.042		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.47	0.042		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.042	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.042		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.042		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.62	0.042		mg/Kg-dry	1	12/3/2013
Pyrene	1.7	0.042		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	21.2	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: 84

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:15:00 PM

Lab ID: 13110794-023A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	84
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:15:00 PM
Lab ID:	13110794-023B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	47	2.5		µg/wipe	10	11/27/2013
Antimony	ND	5		µg/wipe	10	11/27/2013
Arsenic	ND	2.5		µg/wipe	10	11/27/2013
Barium	ND	2.5		µg/wipe	10	11/27/2013
Cadmium	ND	2.5		µg/wipe	10	11/27/2013
Calcium	340	100		µg/wipe	10	11/27/2013
Chromium	ND	12		µg/wipe	10	11/27/2013
Cobalt	ND	2.5		µg/wipe	10	11/27/2013
Copper	100	2.5		µg/wipe	10	11/27/2013
Iron	110	10		µg/wipe	10	11/27/2013
Lead	ND	2.5		µg/wipe	10	11/27/2013
Manganese	15	2.5		µg/wipe	10	11/27/2013
Molybdenum	ND	2.5		µg/wipe	10	11/27/2013
Nickel	ND	2.5		µg/wipe	10	11/27/2013
Potassium	ND	150		µg/wipe	10	11/27/2013
Selenium	ND	2.5		µg/wipe	10	11/27/2013
Silver	ND	2.5		µg/wipe	10	11/27/2013
Thallium	ND	2.5		µg/wipe	10	11/27/2013
Tin	ND	2.5	*	µg/wipe	10	11/27/2013
Titanium	ND	2.5	*	µg/wipe	10	11/27/2013
Vanadium	ND	2.5		µg/wipe	10	11/27/2013
Zinc	210	50		µg/wipe	10	11/27/2013

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: 84/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:15:00 PM

Lab ID: 13110794-024A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.22	0.021		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	5300	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/3/2013
Arsenic	8.7	1.2		mg/Kg-dry	10	12/3/2013
Barium	77	12		mg/Kg-dry	100	12/3/2013
Cadmium	1.3	0.6		mg/Kg-dry	10	12/3/2013
Calcium	4500	720		mg/Kg-dry	100	12/3/2013
Chromium	21	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	5.4	1.2		mg/Kg-dry	10	12/3/2013
Copper	35	3		mg/Kg-dry	10	12/3/2013
Iron	14000	360		mg/Kg-dry	100	12/3/2013
Lead	110	0.6		mg/Kg-dry	10	12/3/2013
Manganese	480	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6		mg/Kg-dry	10	12/3/2013
Nickel	13	1.2		mg/Kg-dry	10	12/3/2013
Potassium	750	360		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6	*	mg/Kg-dry	10	12/3/2013
Titanium	150	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	19	1.2		mg/Kg-dry	10	12/3/2013
Zinc	240	6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.041		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.11	0.041		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.12	0.041		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.097	0.041		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.13	0.041		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.084	0.041		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/3/2013
Chrysene	0.14	0.041		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.071	0.041		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.19	0.041		mg/Kg-dry	1	12/3/2013

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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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:	84/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:15:00 PM
Lab ID:	13110794-024A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.041		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.098	0.041		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.089	0.041		mg/Kg-dry	1	12/3/2013
Pyrene	0.19	0.041		mg/Kg-dry	1	12/3/2013
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: 73

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:32:00 PM

Lab ID: 13110794-025A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	73
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:32:00 PM
Lab ID:	13110794-025B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	44	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	2.7	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	370	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	120	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	28	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	150	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	2.7	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	85	50		µg/wipe	10	11/28/2013

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: 73/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:32:00 PM

Lab ID: 13110794-026A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.049	0.028		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	5900	250		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/3/2013
Arsenic	5.4	1.3		mg/Kg-dry	10	12/3/2013
Barium	68	13		mg/Kg-dry	100	12/3/2013
Cadmium	ND	0.63		mg/Kg-dry	10	12/3/2013
Calcium	30000	760		mg/Kg-dry	100	12/3/2013
Chromium	50	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	4.6	1.3		mg/Kg-dry	10	12/3/2013
Copper	26	3.1		mg/Kg-dry	10	12/3/2013
Iron	14000	380		mg/Kg-dry	100	12/3/2013
Lead	140	0.63		mg/Kg-dry	10	12/3/2013
Manganese	1200	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.3		mg/Kg-dry	10	12/3/2013
Nickel	15	1.3		mg/Kg-dry	10	12/3/2013
Potassium	1200	380		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	ND	6.3	*	mg/Kg-dry	10	12/3/2013
Titanium	160	3.1	*	mg/Kg-dry	10	12/3/2013
Vanadium	22	1.3		mg/Kg-dry	10	12/3/2013
Zinc	230	6.3		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.047		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.047		mg/Kg-dry	1	12/3/2013
Anthracene	0.069	0.047		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.36	0.047		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.35	0.047		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.3	0.047		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.35	0.047		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.26	0.047		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/3/2013
Chrysene	0.44	0.047		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.18	0.047		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.72	0.047		mg/Kg-dry	1	12/3/2013

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

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 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:	73/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:32:00 PM
Lab ID:	13110794-026A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.047		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.23	0.047		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.047	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.047		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.047		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.26	0.047		mg/Kg-dry	1	12/3/2013
Pyrene	0.66	0.047		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	30.0	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: 55

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:51:00 PM

Lab ID: 13110794-027A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 55

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:51:00 PM

Lab ID: 13110794-027B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013		Analyst: LB	
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013		Analyst: JG	
Aluminum	12	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	170	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	40	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	81	50		µg/wipe	10	11/28/2013

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: 55/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 2:51:00 PM
Lab ID: 13110794-028A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.047	0.02		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	8500	270		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.7		mg/Kg-dry	10	12/3/2013
Arsenic	7.8	1.4		mg/Kg-dry	10	12/3/2013
Barium	160	14		mg/Kg-dry	100	12/3/2013
Cadmium	3	0.68		mg/Kg-dry	10	12/3/2013
Calcium	85000	810		mg/Kg-dry	100	12/3/2013
Chromium	250	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	4.3	1.4		mg/Kg-dry	10	12/3/2013
Copper	99	3.4		mg/Kg-dry	10	12/3/2013
Iron	56000	410		mg/Kg-dry	100	12/3/2013
Lead	420	0.68		mg/Kg-dry	10	12/3/2013
Manganese	6300	14		mg/Kg-dry	100	12/3/2013
Molybdenum	13	6.8		mg/Kg-dry	10	12/3/2013
Nickel	39	1.4		mg/Kg-dry	10	12/3/2013
Potassium	650	410		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	13	6.8	*	mg/Kg-dry	10	12/3/2013
Titanium	630	3.4	*	mg/Kg-dry	10	12/3/2013
Vanadium	110	1.4		mg/Kg-dry	10	12/3/2013
Zinc	680	6.8		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.078	0.042		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.19	0.042		mg/Kg-dry	1	12/3/2013
Anthracene	0.22	0.042		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.86	0.042		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.1	0.042		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.93	0.042		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.3	0.042		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.7	0.042		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/3/2013
Chrysene	1.1	0.042		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.56	0.042		mg/Kg-dry	1	12/3/2013
Fluoranthene	1.3	0.042		mg/Kg-dry	1	12/3/2013

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

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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:	55/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:51:00 PM
Lab ID:	13110794-028A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.095	0.042		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.75	0.042		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.1	0.042	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.2	0.042		mg/Kg-dry	1	12/3/2013
Naphthalene	0.25	0.042		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.75	0.042		mg/Kg-dry	1	12/3/2013
Pyrene	1.4	0.042		mg/Kg-dry	1	12/3/2013
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: 89

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 3:10:00 PM

Lab ID: 13110794-029A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(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
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	89
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:10:00 PM
Lab ID:	13110794-029B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	68	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	400	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	120	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	31	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	150	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	83	50		µg/wipe	10	11/28/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	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: 89/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 3:10:00 PM
Lab ID: 13110794-030A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.17	0.027		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	7400	310		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.1		mg/Kg-dry	10	12/3/2013
Arsenic	6.5	1.5		mg/Kg-dry	10	12/3/2013
Barium	190	15		mg/Kg-dry	100	12/3/2013
Cadmium	4.4	0.77		mg/Kg-dry	10	12/3/2013
Calcium	50000	920		mg/Kg-dry	100	12/3/2013
Chromium	120	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	6.1	1.5		mg/Kg-dry	10	12/3/2013
Copper	100	3.8		mg/Kg-dry	10	12/3/2013
Iron	29000	460		mg/Kg-dry	100	12/3/2013
Lead	420	0.77		mg/Kg-dry	10	12/3/2013
Manganese	2400	15		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	7.7		mg/Kg-dry	10	12/3/2013
Nickel	34	1.5		mg/Kg-dry	10	12/3/2013
Potassium	650	460		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	17	7.7	*	mg/Kg-dry	10	12/3/2013
Titanium	410	3.8	*	mg/Kg-dry	10	12/3/2013
Vanadium	63	1.5		mg/Kg-dry	10	12/3/2013
Zinc	680	7.7		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.18	0.047		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.58	0.047		mg/Kg-dry	1	12/3/2013
Anthracene	0.66	0.047		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	2.2	0.047		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	2.1	0.047		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.9	0.047		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	2	0.047		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1.5	0.047		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/3/2013
Chrysene	2.5	0.047		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.97	0.047		mg/Kg-dry	1	12/3/2013
Fluoranthene	4	0.047		mg/Kg-dry	1	12/3/2013

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

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	89/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:10:00 PM
Lab ID:	13110794-030A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2013		Analyst: DM
Fluorene	0.19	0.047		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	1.6	0.047		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.15	0.047	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.28	0.047		mg/Kg-dry	1	12/3/2013
Naphthalene	0.35	0.047		mg/Kg-dry	1	12/3/2013
Phenanthrene	2.3	0.047		mg/Kg-dry	1	12/3/2013
Pyrene	3.4	0.047		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974			Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	29.3	0.2	*	wt%	1	12/2/2013

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

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 53

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 3:30:00 PM

Lab ID: 13110794-031A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	53
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:30:00 PM
Lab ID:	13110794-031B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	16	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	320	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	94	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	11	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	78	50		µg/wipe	10	11/28/2013

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: 53/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 3:30:00 PM

Lab ID: 13110794-032A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.025	0.024		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	14000	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/3/2013
Arsenic	8	1.2		mg/Kg-dry	10	12/3/2013
Barium	100	12		mg/Kg-dry	100	12/3/2013
Cadmium	ND	0.6		mg/Kg-dry	10	12/3/2013
Calcium	5200	720		mg/Kg-dry	100	12/3/2013
Chromium	21	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	10	1.2		mg/Kg-dry	10	12/3/2013
Copper	19	3		mg/Kg-dry	10	12/3/2013
Iron	22000	360		mg/Kg-dry	100	12/3/2013
Lead	27	0.6		mg/Kg-dry	10	12/3/2013
Manganese	600	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6		mg/Kg-dry	10	12/3/2013
Nickel	18	1.2		mg/Kg-dry	10	12/3/2013
Potassium	1400	360		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6	*	mg/Kg-dry	10	12/3/2013
Titanium	150	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	29	1.2		mg/Kg-dry	10	12/3/2013
Zinc	75	6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.039		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.039		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.046	0.039		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.056	0.039		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.049	0.039		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.075	0.039		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/3/2013
Chrysene	0.067	0.039		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.042	0.039		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.1	0.039		mg/Kg-dry	1	12/3/2013

Qualifiers:
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 * - Non-accredited parameter

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: 53/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 3:30:00 PM
Lab ID: 13110794-032A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.039		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.039	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.039		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.039		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.058	0.039		mg/Kg-dry	1	12/3/2013
Pyrene	0.084	0.039		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	16.2	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

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: 60

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 4:05:00 PM

Lab ID: 13110794-033A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	60
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:05:00 PM
Lab ID:	13110794-033B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013		Analyst: LB	
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013		Analyst: JG	
Aluminum	3.8	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	ND	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	130	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	ND	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	ND	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	ND	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	76	50		µg/wipe	10	11/29/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 60/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 4:15:00 PM
Lab ID: 13110794-034A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					Prep Date: 12/2/2013 Analyst: LB
Mercury	0.15	0.024		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 12/2/2013 Analyst: JG
Aluminum	4900	280		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.8		mg/Kg-dry	10	12/3/2013
Arsenic	7	1.4		mg/Kg-dry	10	12/3/2013
Barium	94	14		mg/Kg-dry	100	12/3/2013
Cadmium	2	0.7		mg/Kg-dry	10	12/3/2013
Calcium	34000	840		mg/Kg-dry	100	12/3/2013
Chromium	46	1.4		mg/Kg-dry	10	12/3/2013
Cobalt	5.7	1.4		mg/Kg-dry	10	12/3/2013
Copper	37	3.5		mg/Kg-dry	10	12/3/2013
Iron	17000	420		mg/Kg-dry	100	12/3/2013
Lead	300	0.7		mg/Kg-dry	10	12/3/2013
Manganese	900	1.4		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7		mg/Kg-dry	10	12/3/2013
Nickel	18	1.4		mg/Kg-dry	10	12/3/2013
Potassium	1100	420		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.4		mg/Kg-dry	10	12/3/2013
Silver	ND	1.4		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.4		mg/Kg-dry	10	12/3/2013
Tin	9.5	7	*	mg/Kg-dry	10	12/3/2013
Titanium	130	3.5	*	mg/Kg-dry	10	12/3/2013
Vanadium	21	1.4		mg/Kg-dry	10	12/3/2013
Zinc	500	7		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					Prep Date: 12/2/2013 Analyst: DM
Acenaphthene	0.093	0.049		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.2	0.049		mg/Kg-dry	1	12/3/2013
Anthracene	0.25	0.049		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1	0.049		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.92	0.049		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.86	0.049		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.78	0.049		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.72	0.049		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.25		mg/Kg-dry	1	12/3/2013
Chrysene	1.1	0.049		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.39	0.049		mg/Kg-dry	1	12/3/2013
Fluoranthene	2.4	0.049		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	60/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:15:00 PM
Lab ID:	13110794-034A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.1	0.049		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.66	0.049		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.049	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.049		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.049		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.2	0.049		mg/Kg-dry	1	12/3/2013
Pyrene	2	0.049		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	32.5	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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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:	44
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:15:00 PM
Lab ID:	13110794-035A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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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: 44
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 4:15:00 PM
Lab ID: 13110794-035B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013		Analyst: LB	
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013		Analyst: JG	
Aluminum	100	2.5		µg/wipe	10	11/29/2013
Antimony	ND	5		µg/wipe	10	11/29/2013
Arsenic	ND	2.5		µg/wipe	10	11/29/2013
Barium	2.7	2.5		µg/wipe	10	11/29/2013
Cadmium	ND	2.5		µg/wipe	10	11/29/2013
Calcium	640	100		µg/wipe	10	11/29/2013
Chromium	ND	12		µg/wipe	10	11/29/2013
Cobalt	ND	2.5		µg/wipe	10	11/29/2013
Copper	ND	2.5		µg/wipe	10	11/29/2013
Iron	240	10		µg/wipe	10	11/29/2013
Lead	ND	2.5		µg/wipe	10	11/29/2013
Manganese	22	2.5		µg/wipe	10	11/29/2013
Molybdenum	ND	2.5		µg/wipe	10	11/29/2013
Nickel	ND	2.5		µg/wipe	10	11/29/2013
Potassium	ND	150		µg/wipe	10	11/29/2013
Selenium	ND	2.5		µg/wipe	10	11/29/2013
Silver	ND	2.5		µg/wipe	10	11/29/2013
Thallium	ND	2.5		µg/wipe	10	11/29/2013
Tin	ND	2.5	*	µg/wipe	10	11/29/2013
Titanium	5.5	2.5	*	µg/wipe	10	11/29/2013
Vanadium	ND	2.5		µg/wipe	10	11/29/2013
Zinc	75	50		µg/wipe	10	11/29/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 44/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 4:15:00 PM

Lab ID: 13110794-036A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.077	0.025		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	5200	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/3/2013
Arsenic	10	1.3		mg/Kg-dry	10	12/3/2013
Barium	66	13		mg/Kg-dry	100	12/3/2013
Cadmium	1.4	0.66		mg/Kg-dry	10	12/3/2013
Calcium	19000	790		mg/Kg-dry	100	12/3/2013
Chromium	26	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	4.8	1.3		mg/Kg-dry	10	12/3/2013
Copper	26	3.3		mg/Kg-dry	10	12/3/2013
Iron	13000	390		mg/Kg-dry	100	12/3/2013
Lead	98	0.66		mg/Kg-dry	10	12/3/2013
Manganese	440	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.6		mg/Kg-dry	10	12/3/2013
Nickel	13	1.3		mg/Kg-dry	10	12/3/2013
Potassium	1100	390		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	ND	1.3		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	ND	6.6	*	mg/Kg-dry	10	12/3/2013
Titanium	120	3.3	*	mg/Kg-dry	10	12/3/2013
Vanadium	17	1.3		mg/Kg-dry	10	12/3/2013
Zinc	190	6.6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.049	0.041		mg/Kg-dry	1	12/3/2013
Anthracene	0.061	0.041		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.25	0.041		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.24	0.041		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.23	0.041		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.21	0.041		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.2	0.041		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/3/2013
Chrysene	0.28	0.041		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.11	0.041		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.61	0.041		mg/Kg-dry	1	12/3/2013

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:	44/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:15:00 PM
Lab ID:	13110794-036A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.041		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.17	0.041		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.22	0.041		mg/Kg-dry	1	12/3/2013
Pyrene	0.57	0.041		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	20.4	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: 46

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 4:35:00 PM

Lab ID: 13110794-037A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
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 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	46
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:35:00 PM
Lab ID:	13110794-037B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	27	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	380	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	140	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	11	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	83	50		µg/wipe	10	11/28/2013

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: 46/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 4:35:00 PM

Lab ID: 13110794-038A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.056	0.02		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	3600	220		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.2		mg/Kg-dry	10	12/3/2013
Arsenic	2.6	1.1		mg/Kg-dry	10	12/3/2013
Barium	83	11		mg/Kg-dry	100	12/3/2013
Cadmium	0.66	0.54		mg/Kg-dry	10	12/3/2013
Calcium	84000	650		mg/Kg-dry	100	12/3/2013
Chromium	38	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	3	1.1		mg/Kg-dry	10	12/3/2013
Copper	38	2.7		mg/Kg-dry	10	12/3/2013
Iron	13000	320		mg/Kg-dry	100	12/3/2013
Lead	65	0.54		mg/Kg-dry	10	12/3/2013
Manganese	1100	11		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	5.4		mg/Kg-dry	10	12/3/2013
Nickel	17	1.1		mg/Kg-dry	10	12/3/2013
Potassium	510	320		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	ND	5.4	*	mg/Kg-dry	10	12/3/2013
Titanium	160	2.7	*	mg/Kg-dry	10	12/3/2013
Vanadium	21	1.1		mg/Kg-dry	10	12/3/2013
Zinc	210	5.4		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.066	0.04		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.082	0.04		mg/Kg-dry	1	12/3/2013
Anthracene	0.23	0.04		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.1	0.04		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.2	0.04		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.3	0.04		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.4	0.04		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.77	0.04		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/3/2013
Chrysene	1.4	0.04		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.53	0.04		mg/Kg-dry	1	12/3/2013
Fluoranthene	2.5	0.04		mg/Kg-dry	1	12/3/2013

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

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 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: 46/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 4:35:00 PM
Lab ID: 13110794-038A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.083	0.04		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.87	0.04		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.059	0.04	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.11	0.04		mg/Kg-dry	1	12/3/2013
Naphthalene	0.068	0.04		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.1	0.04		mg/Kg-dry	1	12/3/2013
Pyrene	2.2	0.04		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	17.4	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: Dup-1

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013

Lab ID: 13110794-039A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
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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-1

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013

Lab ID: 13110794-039B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	95	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	3	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	510	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	4.1	2.5		µg/wipe	10	11/28/2013
Iron	300	10		µg/wipe	10	11/28/2013
Lead	3.4	2.5		µg/wipe	10	11/28/2013
Manganese	43	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	5.2	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	180	50		µg/wipe	10	11/28/2013

Qualifiers:
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RL - Reporting / Quantitation Limit for the analysis
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 R - RPD outside accepted recovery limits
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 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-1/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013

Lab ID: 13110794-040A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.11	0.027		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/2/2013	Analyst: JG
Aluminum	7800	260		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.6		mg/Kg-dry	10	12/3/2013
Arsenic	26	1.3		mg/Kg-dry	10	12/3/2013
Barium	140	13		mg/Kg-dry	100	12/3/2013
Cadmium	4.2	0.66		mg/Kg-dry	10	12/3/2013
Calcium	28000	790		mg/Kg-dry	100	12/3/2013
Chromium	81	1.3		mg/Kg-dry	10	12/3/2013
Cobalt	7	1.3		mg/Kg-dry	10	12/3/2013
Copper	85	3.3		mg/Kg-dry	10	12/3/2013
Iron	22000	400		mg/Kg-dry	100	12/3/2013
Lead	190	0.66		mg/Kg-dry	10	12/3/2013
Manganese	940	1.3		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.6		mg/Kg-dry	10	12/3/2013
Nickel	28	1.3		mg/Kg-dry	10	12/3/2013
Potassium	1800	400		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.3		mg/Kg-dry	10	12/3/2013
Silver	2	1.3		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.3		mg/Kg-dry	10	12/3/2013
Tin	11	6.6	*	mg/Kg-dry	10	12/3/2013
Titanium	120	3.3	*	mg/Kg-dry	10	12/3/2013
Vanadium	25	1.3		mg/Kg-dry	10	12/3/2013
Zinc	480	6.6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.045		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.045		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.045		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	ND	0.045		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	ND	0.045		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	ND	0.045		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.05	0.045		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	ND	0.045		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	12/3/2013
Chrysene	0.048	0.045		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.074	0.045		mg/Kg-dry	1	12/3/2013

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-1/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013
Lab ID:	13110794-040A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2013		Analyst: DM
Fluorene	ND	0.045		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	ND	0.045		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.045	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.045		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.045		mg/Kg-dry	1	12/3/2013
Phenanthrene	ND	0.045		mg/Kg-dry	1	12/3/2013
Pyrene	0.064	0.045		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974			Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	27.9	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: Dup-2

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013

Lab ID: 13110794-041A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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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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: Dup-2

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013

Lab ID: 13110794-041B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	6.5	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	120	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	23	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	70	50		µg/wipe	10	11/28/2013

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-2/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013
Lab ID: 13110794-042A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.045	0.022		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	17000	210		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.1		mg/Kg-dry	10	12/3/2013
Arsenic	12	1.1		mg/Kg-dry	10	12/3/2013
Barium	200	11		mg/Kg-dry	100	12/3/2013
Cadmium	ND	0.53		mg/Kg-dry	10	12/3/2013
Calcium	8600	640		mg/Kg-dry	100	12/3/2013
Chromium	29	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	20	1.1		mg/Kg-dry	10	12/3/2013
Copper	31	2.7		mg/Kg-dry	10	12/3/2013
Iron	32000	320		mg/Kg-dry	100	12/3/2013
Lead	42	0.53		mg/Kg-dry	10	12/3/2013
Manganese	1600	11		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	5.3		mg/Kg-dry	10	12/3/2013
Nickel	27	1.1		mg/Kg-dry	10	12/3/2013
Potassium	1700	320		mg/Kg-dry	100	12/3/2013
Selenium	1.1	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	ND	5.3	*	mg/Kg-dry	10	12/3/2013
Titanium	170	2.7	*	mg/Kg-dry	10	12/3/2013
Vanadium	41	1.1		mg/Kg-dry	10	12/3/2013
Zinc	130	5.3		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.17	0.04		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.043	0.04		mg/Kg-dry	1	12/3/2013
Anthracene	0.43	0.04		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.4	0.04		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.4	0.04		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	1.4	0.04		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.3	0.04		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1.1	0.04		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/3/2013
Chrysene	1.6	0.04		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.61	0.04		mg/Kg-dry	1	12/3/2013
Fluoranthene	3.1	0.04		mg/Kg-dry	1	12/3/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: Dup-2/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013

Lab ID: 13110794-042A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.17	0.04		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.98	0.04		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.057	0.04	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.083	0.04		mg/Kg-dry	1	12/3/2013
Naphthalene	0.11	0.04		mg/Kg-dry	1	12/3/2013
Phenanthrene	1.8	0.04		mg/Kg-dry	1	12/3/2013
Pyrene	2.6	0.04		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	17.5	0.2	*	wt%	1	12/2/2013

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

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	Field Blank-1
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:10:00 PM
Lab ID:	13110794-043A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: Field Blank-1
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 1:10:00 PM
Lab ID: 13110794-043B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	ND	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	120	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	3.7	2.5		µg/wipe	10	11/28/2013
Iron	ND	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	190	50		µg/wipe	10	11/28/2013

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:	101
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 11:40:00 AM
Lab ID:	13110794-044A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	101
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 11:40:00 AM
Lab ID:	13110794-044B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	160	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	590	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	2.5	2.5		µg/wipe	10	11/28/2013
Iron	250	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	13	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	190	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	5.8	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	85	50		µg/wipe	10	11/28/2013

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

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 101/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 12:10:00 PM
Lab ID: 13110794-045A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					
Mercury	0.09	0.023		mg/Kg-dry	1	12/2/2013
						Analyst: LB
Metals by ICP/MS	SW6020 (SW3050B)					
Aluminum	11000	220		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.2		mg/Kg-dry	10	12/3/2013
Arsenic	7.6	1.1		mg/Kg-dry	10	12/3/2013
Barium	100	11		mg/Kg-dry	100	12/3/2013
Cadmium	0.87	0.55		mg/Kg-dry	10	12/3/2013
Calcium	35000	660		mg/Kg-dry	100	12/3/2013
Chromium	22	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	7.5	1.1		mg/Kg-dry	10	12/3/2013
Copper	31	2.7		mg/Kg-dry	10	12/3/2013
Iron	23000	330		mg/Kg-dry	100	12/3/2013
Lead	110	0.55		mg/Kg-dry	10	12/3/2013
Manganese	450	1.1		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	5.5		mg/Kg-dry	10	12/3/2013
Nickel	21	1.1		mg/Kg-dry	10	12/3/2013
Potassium	2200	330		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	ND	5.5	*	mg/Kg-dry	10	12/3/2013
Titanium	110	2.7	*	mg/Kg-dry	10	12/3/2013
Vanadium	23	1.1		mg/Kg-dry	10	12/3/2013
Zinc	320	5.5		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					
Acenaphthene	ND	0.041		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.041		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.041		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.12	0.041		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.14	0.041		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.14	0.041		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.13	0.041		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.13	0.041		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	12/3/2013
Chrysene	0.15	0.041		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.06	0.041		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.28	0.041		mg/Kg-dry	1	12/3/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	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:	101/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:10:00 PM
Lab ID:	13110794-045A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.041		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.11	0.041		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.041	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.041		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.041		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.12	0.041		mg/Kg-dry	1	12/3/2013
Pyrene	0.24	0.041		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	20.2	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

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: 99

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:30:00 PM

Lab ID: 13110794-046A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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: 99

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:30:00 PM

Lab ID: 13110794-046B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	150	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	2.6	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	1700	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	2.7	2.5		µg/wipe	10	11/28/2013
Iron	410	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	25	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	5.7	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	88	50		µg/wipe	10	11/28/2013

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: 99/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 12:35:00 PM
Lab ID: 13110794-047A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.026	0.023		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	5300	240		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.4		mg/Kg-dry	10	12/3/2013
Arsenic	6.7	1.2		mg/Kg-dry	10	12/3/2013
Barium	45	12		mg/Kg-dry	100	12/3/2013
Cadmium	ND	0.6		mg/Kg-dry	10	12/3/2013
Calcium	84000	720		mg/Kg-dry	100	12/3/2013
Chromium	12	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	5.4	1.2		mg/Kg-dry	10	12/3/2013
Copper	17	3		mg/Kg-dry	10	12/3/2013
Iron	15000	360		mg/Kg-dry	100	12/3/2013
Lead	27	0.6		mg/Kg-dry	10	12/3/2013
Manganese	490	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6		mg/Kg-dry	10	12/3/2013
Nickel	13	1.2		mg/Kg-dry	10	12/3/2013
Potassium	1200	360		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6	*	mg/Kg-dry	10	12/3/2013
Titanium	120	3	*	mg/Kg-dry	10	12/3/2013
Vanadium	15	1.2		mg/Kg-dry	10	12/3/2013
Zinc	130	60		mg/Kg-dry	100	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.039		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.039		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.058	0.039		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.073	0.039		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.072	0.039		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.074	0.039		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.064	0.039		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.2		mg/Kg-dry	1	12/3/2013
Chrysene	0.079	0.039		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.14	0.039		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	99/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:35:00 PM
Lab ID:	13110794-047A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.039		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.058	0.039		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.039	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.039		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.039		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.067	0.039		mg/Kg-dry	1	12/3/2013
Pyrene	0.12	0.039		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	15.7	0.2	*	wt%	1	12/2/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	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: 8

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 12:45:00 PM

Lab ID: 13110794-048A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/27/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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:	8
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:45:00 PM
Lab ID:	13110794-048B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	31	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	210	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	47	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	12	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	2.8	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	98	50		µg/wipe	10	11/28/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	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: 8/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 12:50:00 PM
Lab ID: 13110794-049A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.067	0.023		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	4500	250		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/3/2013
Arsenic	5.9	1.2		mg/Kg-dry	10	12/3/2013
Barium	76	12		mg/Kg-dry	100	12/3/2013
Cadmium	0.95	0.62		mg/Kg-dry	10	12/3/2013
Calcium	53000	750		mg/Kg-dry	100	12/3/2013
Chromium	16	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	6	1.2		mg/Kg-dry	10	12/3/2013
Copper	26	3.1		mg/Kg-dry	10	12/3/2013
Iron	15000	370		mg/Kg-dry	100	12/3/2013
Lead	95	0.62		mg/Kg-dry	10	12/3/2013
Manganese	780	1.2		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	6.2		mg/Kg-dry	10	12/3/2013
Nickel	11	1.2		mg/Kg-dry	10	12/3/2013
Potassium	1100	370		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	ND	6.2	*	mg/Kg-dry	10	12/3/2013
Titanium	110	3.1	*	mg/Kg-dry	10	12/3/2013
Vanadium	17	1.2		mg/Kg-dry	10	12/3/2013
Zinc	260	6.2		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.044		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.044		mg/Kg-dry	1	12/3/2013
Anthracene	0.12	0.044		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.49	0.044		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.59	0.044		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.48	0.044		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.57	0.044		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.35	0.044		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/3/2013
Chrysene	0.62	0.044		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.28	0.044		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.82	0.044		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	8/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 12:50:00 PM
Lab ID:	13110794-049A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.044		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.33	0.044		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.044	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.069	0.044		mg/Kg-dry	1	12/3/2013
Naphthalene	0.057	0.044		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.47	0.044		mg/Kg-dry	1	12/3/2013
Pyrene	0.89	0.044		mg/Kg-dry	1	12/3/2013
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:	10
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:15:00 PM
Lab ID:	13110794-050A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: DM	
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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:	10
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:15:00 PM
Lab ID:	13110794-050B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	7.8	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	160	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	20	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	4.2	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	72	50		µg/wipe	10	11/28/2013

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: 10/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 1:25:00 PM
Lab ID: 13110794-051A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.15	0.029		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	11000	310		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.1		mg/Kg-dry	10	12/3/2013
Arsenic	19	1.6		mg/Kg-dry	10	12/3/2013
Barium	230	16		mg/Kg-dry	100	12/3/2013
Cadmium	1.1	0.78		mg/Kg-dry	10	12/3/2013
Calcium	28000	940		mg/Kg-dry	100	12/3/2013
Chromium	33	1.6		mg/Kg-dry	10	12/3/2013
Cobalt	7.1	1.6		mg/Kg-dry	10	12/3/2013
Copper	58	3.9		mg/Kg-dry	10	12/3/2013
Iron	22000	470		mg/Kg-dry	100	12/3/2013
Lead	180	0.78		mg/Kg-dry	10	12/3/2013
Manganese	670	1.6		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.8		mg/Kg-dry	10	12/3/2013
Nickel	24	1.6		mg/Kg-dry	10	12/3/2013
Potassium	2400	470		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.6		mg/Kg-dry	10	12/3/2013
Silver	ND	1.6		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.6		mg/Kg-dry	10	12/3/2013
Tin	ND	7.8	*	mg/Kg-dry	10	12/3/2013
Titanium	140	3.9	*	mg/Kg-dry	10	12/3/2013
Vanadium	28	1.6		mg/Kg-dry	10	12/3/2013
Zinc	270	7.8		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.05		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.05		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.05		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.097	0.05		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.14	0.05		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.1	0.05		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.14	0.05		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.091	0.05		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.26		mg/Kg-dry	1	12/3/2013
Chrysene	0.12	0.05		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.069	0.05		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.13	0.05		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	10/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:25:00 PM
Lab ID:	13110794-051A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.05		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.08	0.05		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.05	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.05		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.05		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.071	0.05		mg/Kg-dry	1	12/3/2013
Pyrene	0.15	0.05		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	34.5	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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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-1

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:20:00 PM

Lab ID: 13110794-052A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/27/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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-1
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 1:20:00 PM
Lab ID: 13110794-052B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	10	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	230	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	3.5	2.5		µg/wipe	10	11/28/2013
Iron	22	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	2.7	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	170	50		µg/wipe	10	11/28/2013

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-1/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 1:30:00 PM
Lab ID: 13110794-053A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.14	0.023		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	23000	310		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.1		mg/Kg-dry	10	12/3/2013
Arsenic	23	1.5		mg/Kg-dry	10	12/3/2013
Barium	320	15		mg/Kg-dry	100	12/3/2013
Cadmium	1.4	0.77		mg/Kg-dry	10	12/3/2013
Calcium	72000	930		mg/Kg-dry	100	12/3/2013
Chromium	30	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	8.1	1.5		mg/Kg-dry	10	12/3/2013
Copper	130	3.9		mg/Kg-dry	10	12/3/2013
Iron	46000	460		mg/Kg-dry	100	12/3/2013
Lead	190	0.77		mg/Kg-dry	10	12/3/2013
Manganese	1200	1.5		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.7		mg/Kg-dry	10	12/3/2013
Nickel	26	1.5		mg/Kg-dry	10	12/3/2013
Potassium	2200	460		mg/Kg-dry	100	12/3/2013
Selenium	2.5	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	8.5	7.7	*	mg/Kg-dry	10	12/3/2013
Titanium	200	3.9	*	mg/Kg-dry	10	12/3/2013
Vanadium	27	1.5		mg/Kg-dry	10	12/3/2013
Zinc	510	7.7		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.16	0.048		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.43	0.048		mg/Kg-dry	1	12/3/2013
Anthracene	0.82	0.048		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	1.5	0.048		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	1.4	0.048		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.87	0.048		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	1.1	0.048		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	1.1	0.048		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.25		mg/Kg-dry	1	12/3/2013
Chrysene	1.5	0.048		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.45	0.048		mg/Kg-dry	1	12/3/2013
Fluoranthene	3.6	0.048		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	Dup-1/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:30:00 PM
Lab ID:	13110794-053A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2013		Analyst: DM
Fluorene	0.52	0.048		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.79	0.048		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	0.3	0.048	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	0.24	0.048		mg/Kg-dry	1	12/3/2013
Naphthalene	0.23	0.048		mg/Kg-dry	1	12/3/2013
Phenanthrene	4.9	0.048		mg/Kg-dry	1	12/3/2013
Pyrene	4.4	0.048		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974			Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	31.4	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: Blank-1

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:40:00 PM

Lab ID: 13110794-054A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/27/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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

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

STAT Analysis Corporation

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	Blank-1
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:40:00 PM
Lab ID:	13110794-054B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	ND	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	ND	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	ND	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	74	50		µg/wipe	10	11/28/2013

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: 9

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 1:55:00 PM

Lab ID: 13110794-055A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 11/27/2013	Analyst: DM
Acenaphthene	ND	1		µg/wipe	1	11/28/2013
Acenaphthylene	ND	1		µg/wipe	1	11/28/2013
Anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)anthracene	ND	1		µg/wipe	1	11/28/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/28/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/28/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/28/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/28/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/28/2013
Chrysene	ND	1		µg/wipe	1	11/28/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/28/2013
Fluoranthene	ND	1		µg/wipe	1	11/28/2013
Fluorene	ND	1		µg/wipe	1	11/28/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/28/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/28/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/28/2013
Naphthalene	ND	1		µg/wipe	1	11/28/2013
Phenanthrene	ND	1		µg/wipe	1	11/28/2013
Pyrene	ND	1		µg/wipe	1	11/28/2013

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:	9
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 1:55:00 PM
Lab ID:	13110794-055B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	14	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	160	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	3.7	2.5		µg/wipe	10	11/28/2013
Iron	26	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	3.6	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	180	50		µg/wipe	10	11/28/2013

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: 9/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 2:00:00 PM
Lab ID: 13110794-056A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.065	0.026		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	16000	300		mg/Kg-dry	100	12/3/2013
Antimony	ND	3		mg/Kg-dry	10	12/3/2013
Arsenic	10	1.5		mg/Kg-dry	10	12/3/2013
Barium	210	15		mg/Kg-dry	100	12/3/2013
Cadmium	0.95	0.75		mg/Kg-dry	10	12/3/2013
Calcium	29000	900		mg/Kg-dry	100	12/3/2013
Chromium	28	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	8.7	1.5		mg/Kg-dry	10	12/3/2013
Copper	37	3.8		mg/Kg-dry	10	12/3/2013
Iron	29000	450		mg/Kg-dry	100	12/3/2013
Lead	97	0.75		mg/Kg-dry	10	12/3/2013
Manganese	740	1.5		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.5		mg/Kg-dry	10	12/3/2013
Nickel	27	1.5		mg/Kg-dry	10	12/3/2013
Potassium	3400	450		mg/Kg-dry	100	12/3/2013
Selenium	1.7	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	ND	7.5	*	mg/Kg-dry	10	12/3/2013
Titanium	130	3.8	*	mg/Kg-dry	10	12/3/2013
Vanadium	32	1.5		mg/Kg-dry	10	12/3/2013
Zinc	190	7.5		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/3/2013	Analyst: DM
Acenaphthene	ND	0.047		mg/Kg-dry	1	12/4/2013
Acenaphthylene	ND	0.047		mg/Kg-dry	1	12/4/2013
Anthracene	ND	0.047		mg/Kg-dry	1	12/4/2013
Benz(a)anthracene	0.1	0.047		mg/Kg-dry	1	12/4/2013
Benzo(a)pyrene	0.12	0.047		mg/Kg-dry	1	12/4/2013
Benzo(b)fluoranthene	0.11	0.047		mg/Kg-dry	1	12/4/2013
Benzo(g,h,i)perylene	0.092	0.047		mg/Kg-dry	1	12/4/2013
Benzo(k)fluoranthene	0.095	0.047		mg/Kg-dry	1	12/4/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/4/2013
Chrysene	0.13	0.047		mg/Kg-dry	1	12/4/2013
Dibenz(a,h)anthracene	0.05	0.047		mg/Kg-dry	1	12/4/2013
Fluoranthene	0.22	0.047		mg/Kg-dry	1	12/4/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	9/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:00:00 PM
Lab ID:	13110794-056A	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	0.047		mg/Kg-dry	1	12/4/2013
Indeno(1,2,3-cd)pyrene	0.068	0.047		mg/Kg-dry	1	12/4/2013
1-Methylnaphthalene	ND	0.047	*	mg/Kg-dry	1	12/4/2013
2-Methylnaphthalene	ND	0.047		mg/Kg-dry	1	12/4/2013
Naphthalene	ND	0.047		mg/Kg-dry	1	12/4/2013
Phenanthrene	0.12	0.047		mg/Kg-dry	1	12/4/2013
Pyrene	0.22	0.047		mg/Kg-dry	1	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	30.6	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: 20

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:20:00 PM

Lab ID: 13110794-057A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos

Client Sample ID: 20

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 2:20:00 PM

Lab ID: 13110794-057B

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	2.7	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	130	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	3.7	2.5		µg/wipe	10	11/28/2013
Iron	ND	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	6.2	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	180	50		µg/wipe	10	11/28/2013

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: 20/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 2:25:00 PM
Lab ID: 13110794-058A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.084	0.028		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	14000	300		mg/Kg-dry	100	12/3/2013
Antimony	ND	3		mg/Kg-dry	10	12/3/2013
Arsenic	10	1.5		mg/Kg-dry	10	12/3/2013
Barium	150	15		mg/Kg-dry	100	12/3/2013
Cadmium	1.4	0.74		mg/Kg-dry	10	12/3/2013
Calcium	9300	890		mg/Kg-dry	100	12/3/2013
Chromium	36	1.5		mg/Kg-dry	10	12/3/2013
Cobalt	9.4	1.5		mg/Kg-dry	10	12/3/2013
Copper	47	3.7		mg/Kg-dry	10	12/3/2013
Iron	25000	440		mg/Kg-dry	100	12/3/2013
Lead	160	0.74		mg/Kg-dry	10	12/3/2013
Manganese	650	1.5		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	7.4		mg/Kg-dry	10	12/3/2013
Nickel	31	1.5		mg/Kg-dry	10	12/3/2013
Potassium	2800	440		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.5		mg/Kg-dry	10	12/3/2013
Silver	ND	1.5		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.5		mg/Kg-dry	10	12/3/2013
Tin	ND	7.4	*	mg/Kg-dry	10	12/3/2013
Titanium	120	3.7	*	mg/Kg-dry	10	12/3/2013
Vanadium	38	1.5		mg/Kg-dry	10	12/3/2013
Zinc	250	7.4		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.046		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.046		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.046		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.12	0.046		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.17	0.046		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.14	0.046		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.19	0.046		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.11	0.046		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	12/3/2013
Chrysene	0.16	0.046		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.092	0.046		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.18	0.046		mg/Kg-dry	1	12/3/2013

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

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:	20/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:25:00 PM
Lab ID:	13110794-058A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.046		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.1	0.046		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.046	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.046		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.097	0.046		mg/Kg-dry	1	12/3/2013
Pyrene	0.18	0.046		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	29.0	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:	35
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:40:00 PM
Lab ID:	13110794-059A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	35
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:40:00 PM
Lab ID:	13110794-059B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	370	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	500	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	190	100		µg/wipe	10	11/28/2013
Chromium	15	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	6.2	2.5		µg/wipe	10	11/28/2013
Iron	340	10		µg/wipe	10	11/28/2013
Lead	84	2.5		µg/wipe	10	11/28/2013
Manganese	18	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	8.4	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	20	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	810	50		µg/wipe	10	11/28/2013

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:	35/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:45:00 PM
Lab ID:	13110794-060A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	ND	0.021		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	14000	200		mg/Kg-dry	100	12/3/2013
Antimony	ND	2		mg/Kg-dry	10	12/3/2013
Arsenic	4.2	0.98		mg/Kg-dry	10	12/3/2013
Barium	250	9.8		mg/Kg-dry	100	12/3/2013
Cadmium	0.88	0.49		mg/Kg-dry	10	12/3/2013
Calcium	91000	590		mg/Kg-dry	100	12/3/2013
Chromium	19	0.98		mg/Kg-dry	10	12/3/2013
Cobalt	2.3	0.98		mg/Kg-dry	10	12/3/2013
Copper	13	2.4		mg/Kg-dry	10	12/3/2013
Iron	24000	290		mg/Kg-dry	100	12/3/2013
Lead	42	0.49		mg/Kg-dry	10	12/3/2013
Manganese	2400	9.8		mg/Kg-dry	100	12/3/2013
Molybdenum	ND	4.9		mg/Kg-dry	10	12/3/2013
Nickel	6.7	0.98		mg/Kg-dry	10	12/3/2013
Potassium	1100	290		mg/Kg-dry	100	12/3/2013
Selenium	1.5	0.98		mg/Kg-dry	10	12/3/2013
Silver	ND	0.98		mg/Kg-dry	10	12/3/2013
Thallium	ND	0.98		mg/Kg-dry	10	12/3/2013
Tin	ND	4.9	*	mg/Kg-dry	10	12/3/2013
Titanium	570	2.4	*	mg/Kg-dry	10	12/3/2013
Vanadium	12	0.98		mg/Kg-dry	10	12/3/2013
Zinc	880	4.9		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.064	0.036		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.038	0.036		mg/Kg-dry	1	12/3/2013
Anthracene	0.15	0.036		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.57	0.036		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.7	0.036		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.75	0.036		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.7	0.036		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.57	0.036		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	12/3/2013
Chrysene	0.77	0.036		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.3	0.036		mg/Kg-dry	1	12/3/2013
Fluoranthene	1.5	0.036		mg/Kg-dry	1	12/3/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	35/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 2:45:00 PM
Lab ID:	13110794-060A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 12/2/2013		Analyst: DM
Fluorene	0.049	0.036		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.55	0.036		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.036	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.036		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.036		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.66	0.036		mg/Kg-dry	1	12/3/2013
Pyrene	1.3	0.036		mg/Kg-dry	1	12/3/2013
Percent Moisture		D2974		Prep Date: 12/2/2013		Analyst: VA
Percent Moisture	7.5	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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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: 116

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 3:20:00 PM

Lab ID: 13110794-061A

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	116
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:20:00 PM
Lab ID:	13110794-061B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	5.8	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	100	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	ND	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	79	50		µg/wipe	10	11/28/2013

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: 116/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 3:25:00 PM
Lab ID: 13110794-062A	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	0.018		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	6100	210		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.1		mg/Kg-dry	10	12/3/2013
Arsenic	3	1		mg/Kg-dry	10	12/3/2013
Barium	74	10		mg/Kg-dry	100	12/3/2013
Cadmium	0.67	0.52		mg/Kg-dry	10	12/3/2013
Calcium	66000	630		mg/Kg-dry	100	12/3/2013
Chromium	17	1		mg/Kg-dry	10	12/3/2013
Cobalt	2.3	1		mg/Kg-dry	10	12/3/2013
Copper	17	2.6		mg/Kg-dry	10	12/3/2013
Iron	11000	310		mg/Kg-dry	100	12/3/2013
Lead	65	0.52		mg/Kg-dry	10	12/3/2013
Manganese	830	1		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	5.2		mg/Kg-dry	10	12/3/2013
Nickel	6.6	1		mg/Kg-dry	10	12/3/2013
Potassium	720	310		mg/Kg-dry	100	12/3/2013
Selenium	ND	1		mg/Kg-dry	10	12/3/2013
Silver	ND	1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1		mg/Kg-dry	10	12/3/2013
Tin	ND	5.2	*	mg/Kg-dry	10	12/3/2013
Titanium	170	2.6	*	mg/Kg-dry	10	12/3/2013
Vanadium	13	1		mg/Kg-dry	10	12/3/2013
Zinc	98	5.2		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.036		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.036		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.036		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.081	0.036		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.096	0.036		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.1	0.036		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.12	0.036		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.09	0.036		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	12/3/2013
Chrysene	0.11	0.036		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.056	0.036		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.17	0.036		mg/Kg-dry	1	12/3/2013

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

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Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 116/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 3:25:00 PM
Lab ID: 13110794-062A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.036		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.08	0.036		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.036	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.036		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.036		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.088	0.036		mg/Kg-dry	1	12/3/2013
Pyrene	0.16	0.036		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	9.6	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

STAT Analysis Corporation

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	117
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:40:00 PM
Lab ID:	13110794-063A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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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:	117
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:40:00 PM
Lab ID:	13110794-063B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	4.8	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	120	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	3	2.5		µg/wipe	10	11/28/2013
Iron	ND	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	150	50		µg/wipe	10	11/28/2013

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: 117/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 3:45:00 PM

Lab ID: 13110794-064A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.04	0.02		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	4400	230		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.3		mg/Kg-dry	10	12/3/2013
Arsenic	4.9	1.1		mg/Kg-dry	10	12/3/2013
Barium	54	11		mg/Kg-dry	100	12/3/2013
Cadmium	0.65	0.56		mg/Kg-dry	10	12/3/2013
Calcium	63000	680		mg/Kg-dry	100	12/3/2013
Chromium	16	1.1		mg/Kg-dry	10	12/3/2013
Cobalt	3	1.1		mg/Kg-dry	10	12/3/2013
Copper	35	2.8		mg/Kg-dry	10	12/3/2013
Iron	11000	340		mg/Kg-dry	100	12/3/2013
Lead	100	0.56		mg/Kg-dry	10	12/3/2013
Manganese	550	1.1		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	5.6		mg/Kg-dry	10	12/3/2013
Nickel	10	1.1		mg/Kg-dry	10	12/3/2013
Potassium	540	340		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.1		mg/Kg-dry	10	12/3/2013
Silver	ND	1.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.1		mg/Kg-dry	10	12/3/2013
Tin	5.8	5.6	*	mg/Kg-dry	10	12/3/2013
Titanium	150	2.8	*	mg/Kg-dry	10	12/3/2013
Vanadium	14	1.1		mg/Kg-dry	10	12/3/2013
Zinc	220	5.6		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.037		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.037		mg/Kg-dry	1	12/3/2013
Anthracene	0.1	0.037		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.34	0.037		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.36	0.037		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.41	0.037		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.33	0.037		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.31	0.037		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	12/3/2013
Chrysene	0.39	0.037		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.15	0.037		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.91	0.037		mg/Kg-dry	1	12/3/2013

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:	117/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 3:45:00 PM
Lab ID:	13110794-064A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.037		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.28	0.037		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.037	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.037		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.037		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.48	0.037		mg/Kg-dry	1	12/3/2013
Pyrene	0.73	0.037		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	11.7	0.2	*	wt%	1	12/2/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	86
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:20:00 PM
Lab ID:	13110794-065A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

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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:	86
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:20:00 PM
Lab ID:	13110794-065B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	13	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	170	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	39	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	38	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	86	50		µg/wipe	10	11/28/2013

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: 86/0-0.5'

Lab Order: 13110794

Tag Number:

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

Collection Date: 11/26/2013 4:30:00 PM

Lab ID: 13110794-066A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.054	0.029		mg/Kg-dry	1	12/2/2013

Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	8700	250		mg/Kg-dry	100	12/3/2013
Antimony	ND	2.5		mg/Kg-dry	10	12/3/2013
Arsenic	41	1.2		mg/Kg-dry	10	12/3/2013
Barium	110	12		mg/Kg-dry	100	12/3/2013
Cadmium	7.1	0.62		mg/Kg-dry	10	12/3/2013
Calcium	38000	740		mg/Kg-dry	100	12/3/2013
Chromium	260	1.2		mg/Kg-dry	10	12/3/2013
Cobalt	8.2	1.2		mg/Kg-dry	10	12/3/2013
Copper	62	3.1		mg/Kg-dry	10	12/3/2013
Iron	45000	370		mg/Kg-dry	100	12/3/2013
Lead	170	0.62		mg/Kg-dry	10	12/3/2013
Manganese	4500	12		mg/Kg-dry	100	12/3/2013
Molybdenum	12	6.2		mg/Kg-dry	10	12/3/2013
Nickel	22	1.2		mg/Kg-dry	10	12/3/2013
Potassium	980	370		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.2		mg/Kg-dry	10	12/3/2013
Silver	ND	1.2		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.2		mg/Kg-dry	10	12/3/2013
Tin	6.9	6.2	*	mg/Kg-dry	10	12/3/2013
Titanium	330	3.1	*	mg/Kg-dry	10	12/3/2013
Vanadium	31	1.2		mg/Kg-dry	10	12/3/2013
Zinc	600	6.2		mg/Kg-dry	10	12/3/2013

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	0.056	0.048		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.048		mg/Kg-dry	1	12/3/2013
Anthracene	0.11	0.048		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.44	0.048		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.48	0.048		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.52	0.048		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.41	0.048		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.4	0.048		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.25		mg/Kg-dry	1	12/3/2013
Chrysene	0.52	0.048		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.2	0.048		mg/Kg-dry	1	12/3/2013
Fluoranthene	1.1	0.048		mg/Kg-dry	1	12/3/2013

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:	86/0-0.5'
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:30:00 PM
Lab ID:	13110794-066A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.049	0.048		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.33	0.048		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.048	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.048		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.048		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.6	0.048		mg/Kg-dry	1	12/3/2013
Pyrene	0.92	0.048		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	31.7	0.2	*	wt%	1	12/2/2013

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

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: Dup-2
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 4:25:00 PM
Lab ID: 13110794-067B	Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	10	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	130	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	ND	2.5		µg/wipe	10	11/28/2013
Iron	27	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	29	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	70	50		µg/wipe	10	11/28/2013

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	HT - Sample received past holding time	E - Value above quantitation range
	* - 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-2/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 4:35:00 PM
Lab ID: 13110794-068A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 12/2/2013	Analyst: LB
Mercury	0.055	0.024		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 12/3/2013	Analyst: JG
Aluminum	9600	310		mg/Kg-dry	100	12/3/2013
Antimony	ND	3.1		mg/Kg-dry	10	12/3/2013
Arsenic	33	1.6		mg/Kg-dry	10	12/3/2013
Barium	110	16		mg/Kg-dry	100	12/3/2013
Cadmium	7.3	0.79		mg/Kg-dry	10	12/3/2013
Calcium	40000	940		mg/Kg-dry	100	12/3/2013
Chromium	210	1.6		mg/Kg-dry	10	12/3/2013
Cobalt	8.2	1.6		mg/Kg-dry	10	12/3/2013
Copper	64	3.9		mg/Kg-dry	10	12/3/2013
Iron	45000	470		mg/Kg-dry	100	12/3/2013
Lead	180	0.79		mg/Kg-dry	10	12/3/2013
Manganese	4200	16		mg/Kg-dry	100	12/3/2013
Molybdenum	9	7.9		mg/Kg-dry	10	12/3/2013
Nickel	22	1.6		mg/Kg-dry	10	12/3/2013
Potassium	1100	470		mg/Kg-dry	100	12/3/2013
Selenium	ND	1.6		mg/Kg-dry	10	12/3/2013
Silver	ND	1.6		mg/Kg-dry	10	12/3/2013
Thallium	ND	1.6		mg/Kg-dry	10	12/3/2013
Tin	ND	7.9	*	mg/Kg-dry	10	12/3/2013
Titanium	350	3.9	*	mg/Kg-dry	10	12/3/2013
Vanadium	27	1.6		mg/Kg-dry	10	12/3/2013
Zinc	570	7.9		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Acenaphthene	ND	0.05		mg/Kg-dry	1	12/3/2013
Acenaphthylene	ND	0.05		mg/Kg-dry	1	12/3/2013
Anthracene	ND	0.05		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	0.16	0.05		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	0.19	0.05		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	0.19	0.05		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	0.19	0.05		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	0.18	0.05		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.26		mg/Kg-dry	1	12/3/2013
Chrysene	0.19	0.05		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	0.089	0.05		mg/Kg-dry	1	12/3/2013
Fluoranthene	0.34	0.05		mg/Kg-dry	1	12/3/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: Dup-2/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 4:35:00 PM
Lab ID: 13110794-068A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	ND	0.05		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	0.14	0.05		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.05	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.05		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.05		mg/Kg-dry	1	12/3/2013
Phenanthrene	0.12	0.05		mg/Kg-dry	1	12/3/2013
Pyrene	0.31	0.05		mg/Kg-dry	1	12/3/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	34.9	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
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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	Blank-2
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:40:00 PM
Lab ID:	13110794-069A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		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
Benzo(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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Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	Blank-2
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 4:40:00 PM
Lab ID:	13110794-069B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 11/27/2013	Analyst: LB
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 11/27/2013	Analyst: JG
Aluminum	ND	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	130	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	3.7	2.5		µg/wipe	10	11/28/2013
Iron	ND	10		µg/wipe	10	11/28/2013
Lead	ND	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	190	50		µg/wipe	10	11/28/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	87
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 5:05:00 PM
Lab ID:	13110794-070A	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 11/27/2013		Analyst: MEP	
Acenaphthene	ND	1		µg/wipe	1	11/29/2013
Acenaphthylene	ND	1		µg/wipe	1	11/29/2013
Anthracene	ND	1		µg/wipe	1	11/29/2013
Benz(a)anthracene	ND	1		µg/wipe	1	11/29/2013
Benzo(a)pyrene	ND	1		µg/wipe	1	11/29/2013
Benzo(b)fluoranthene	ND	1		µg/wipe	1	11/29/2013
Benzo(g,h,i)perylene	ND	1		µg/wipe	1	11/29/2013
Benzo(k)fluoranthene	ND	1		µg/wipe	1	11/29/2013
2-Chloronaphthalene	ND	5		µg/wipe	1	11/29/2013
Chrysene	ND	1		µg/wipe	1	11/29/2013
Dibenz(a,h)anthracene	ND	1		µg/wipe	1	11/29/2013
Fluoranthene	ND	1		µg/wipe	1	11/29/2013
Fluorene	ND	1		µg/wipe	1	11/29/2013
Indeno(1,2,3-cd)pyrene	ND	1		µg/wipe	1	11/29/2013
1-Methylnaphthalene	ND	1	*	µg/wipe	1	11/29/2013
2-Methylnaphthalene	ND	1		µg/wipe	1	11/29/2013
Naphthalene	ND	1		µg/wipe	1	11/29/2013
Phenanthrene	ND	1		µg/wipe	1	11/29/2013
Pyrene	ND	1		µg/wipe	1	11/29/2013

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

Print Date: January 13, 2014

Client:	Weaver Boos	Client Sample ID:	87
Lab Order:	13110794	Tag Number:	
Project:	3682-300-07, Pet Coke and Coal Study	Collection Date:	11/26/2013 5:05:00 PM
Lab ID:	13110794-070B	Matrix:	Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A		Prep Date: 11/27/2013 Analyst: LB			
Mercury	ND	0.018		µg/wipe	1	11/27/2013
Metals by ICP/MS	SW6020 (SW3050B)		Prep Date: 11/27/2013 Analyst: JG			
Aluminum	38	2.5		µg/wipe	10	11/28/2013
Antimony	ND	5		µg/wipe	10	11/28/2013
Arsenic	ND	2.5		µg/wipe	10	11/28/2013
Barium	ND	2.5		µg/wipe	10	11/28/2013
Cadmium	ND	2.5		µg/wipe	10	11/28/2013
Calcium	120	100		µg/wipe	10	11/28/2013
Chromium	ND	12		µg/wipe	10	11/28/2013
Cobalt	ND	2.5		µg/wipe	10	11/28/2013
Copper	2.7	2.5		µg/wipe	10	11/28/2013
Iron	48	10		µg/wipe	10	11/28/2013
Lead	22	2.5		µg/wipe	10	11/28/2013
Manganese	ND	2.5		µg/wipe	10	11/28/2013
Molybdenum	ND	2.5		µg/wipe	10	11/28/2013
Nickel	ND	2.5		µg/wipe	10	11/28/2013
Potassium	ND	150		µg/wipe	10	11/28/2013
Selenium	ND	2.5		µg/wipe	10	11/28/2013
Silver	ND	2.5		µg/wipe	10	11/28/2013
Thallium	ND	2.5		µg/wipe	10	11/28/2013
Tin	ND	2.5	*	µg/wipe	10	11/28/2013
Titanium	ND	2.5	*	µg/wipe	10	11/28/2013
Vanadium	ND	2.5		µg/wipe	10	11/28/2013
Zinc	950	50		µg/wipe	10	11/28/2013

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

Report Date: January 13, 2014

Print Date: January 13, 2014

Client: Weaver Boos	Client Sample ID: 87/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 5:10:00 PM
Lab ID: 13110794-071A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					Prep Date: 12/2/2013 Analyst: LB
Mercury	0.47	0.039		mg/Kg-dry	1	12/2/2013
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 12/3/2013 Analyst: JG
Aluminum	6400	420		mg/Kg-dry	100	12/3/2013
Antimony	ND	4.2		mg/Kg-dry	10	12/3/2013
Arsenic	7.8	2.1		mg/Kg-dry	10	12/3/2013
Barium	330	21		mg/Kg-dry	100	12/3/2013
Cadmium	25	1		mg/Kg-dry	10	12/3/2013
Calcium	65000	1300		mg/Kg-dry	100	12/3/2013
Chromium	330	2.1		mg/Kg-dry	10	12/3/2013
Cobalt	6.7	2.1		mg/Kg-dry	10	12/3/2013
Copper	200	5.2		mg/Kg-dry	10	12/3/2013
Iron	16000	630		mg/Kg-dry	100	12/3/2013
Lead	210	1		mg/Kg-dry	10	12/3/2013
Manganese	1300	2.1		mg/Kg-dry	10	12/3/2013
Molybdenum	ND	10		mg/Kg-dry	10	12/3/2013
Nickel	49	2.1		mg/Kg-dry	10	12/3/2013
Potassium	1100	630		mg/Kg-dry	100	12/3/2013
Selenium	ND	2.1		mg/Kg-dry	10	12/3/2013
Silver	12	2.1		mg/Kg-dry	10	12/3/2013
Thallium	ND	2.1		mg/Kg-dry	10	12/3/2013
Tin	32	10	*	mg/Kg-dry	10	12/3/2013
Titanium	170	5.2	*	mg/Kg-dry	10	12/3/2013
Vanadium	13	2.1		mg/Kg-dry	10	12/3/2013
Zinc	1100	10		mg/Kg-dry	10	12/3/2013
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					Prep Date: 12/2/2013 Analyst: DM
Acenaphthene	0.6	0.068		mg/Kg-dry	1	12/3/2013
Acenaphthylene	0.075	0.068		mg/Kg-dry	1	12/3/2013
Anthracene	1.3	0.068		mg/Kg-dry	1	12/3/2013
Benz(a)anthracene	4.3	0.068		mg/Kg-dry	1	12/3/2013
Benzo(a)pyrene	4.7	0.068		mg/Kg-dry	1	12/3/2013
Benzo(b)fluoranthene	4.8	0.068		mg/Kg-dry	1	12/3/2013
Benzo(g,h,i)perylene	3.7	0.068		mg/Kg-dry	1	12/3/2013
Benzo(k)fluoranthene	4.2	0.068		mg/Kg-dry	1	12/3/2013
2-Chloronaphthalene	ND	0.35		mg/Kg-dry	1	12/3/2013
Chrysene	5.4	0.068		mg/Kg-dry	1	12/3/2013
Dibenz(a,h)anthracene	1.7	0.068		mg/Kg-dry	1	12/3/2013
Fluoranthene	15	0.34		mg/Kg-dry	5	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
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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: 87/0-0.5'
Lab Order: 13110794	Tag Number:
Project: 3682-300-07, Pet Coke and Coal Study	Collection Date: 11/26/2013 5:10:00 PM
Lab ID: 13110794-071A	Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 12/2/2013	Analyst: DM
Fluorene	0.76	0.068		mg/Kg-dry	1	12/3/2013
Indeno(1,2,3-cd)pyrene	3.3	0.068		mg/Kg-dry	1	12/3/2013
1-Methylnaphthalene	ND	0.068	*	mg/Kg-dry	1	12/3/2013
2-Methylnaphthalene	ND	0.068		mg/Kg-dry	1	12/3/2013
Naphthalene	ND	0.068		mg/Kg-dry	1	12/3/2013
Phenanthrene	8.8	0.34		mg/Kg-dry	5	12/4/2013
Pyrene	12	0.34		mg/Kg-dry	5	12/4/2013
Percent Moisture	D2974				Prep Date: 12/2/2013	Analyst: VA
Percent Moisture	51.9	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

CHAIN OF CUSTODY RECORD N^o: 853244 Page: 2 of 5

Company: Weaver Boos Consultants
 Project Number: _____ Client Tracking No.: _____
 Project Name: Quinn Emanuel
 Project Location: Chicago, IL
 Sampler(s): R. Carver, S. Cantor
 Report To: Andy Perdue Phone: 312-922-1030
Paul Gruea Fax: 312-922-0201
 QC Level: 1 2 3 4 e-mail: aperdue@weaverboos.com

P.O. No.: _____
 Quote No.: _____
 Turn Around: RUSH (24 Hrs)
 Results Needed: _____
 Lab No.: _____
 Remarks: _____

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers	Remarks	Lab No.:
85	11-26-13	1350	W	X	G	3		HOLD	021
85/0-0.5'		1350	S		A	1		HOLD	022
84		1415	W		G	3		HOLD	023
84/0-0.5'		1415	S		A	1		HOLD	024
73		1432	W		G	3		HOLD	025
73/0-0.5'		1432	S		A	1		HOLD	026
55		1451	W		G	3		HOLD	027
55/0-0.5'		1451	S		A	1		HOLD	028
89		1510	W		G	3		HOLD	029
89/0-0.5'		1510	S		A	1		HOLD	030
53		1530	W		G	3		HOLD	031
53/0-0.5'		1530	S		A	1		HOLD	032
60		1605	W		G	3		HOLD	033
60/0-0.5'		1605	S		A	1		HOLD	034
44		1615	W		G	3		HOLD	035
44/0-0.5'		1615	S		A	1		HOLD	036
46		1635	W		G	3		HOLD	037
46/0-0.5'		1635	S		A	1		HOLD	038
Dup-1		-	W		G	3		HOLD	039
Dup-2		-	S		A	1		HOLD	040

Relinquished by: (Signature) Rachel Garner Date/Time: 11-26/1343
 Received by: (Signature) [Signature] Date/Time: 11/26/13 1844
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____

Comments: W = Wide Sample
As, Al, Ba, Cd, Cr, Co, Cu, Fe, Mn,
Mo, Hg, Pb, K, Ni, Se, Ag, Rb, Sr,
Th, Tl, Ti, Sn, V, Zn, Zr, Ca
 Preservation Code: A = None B = HNO₃ C = NaOH
 D = H₂SO₄ E = HCl F = 5035/Fe-Cases G = Out...

Laboratory Work Order No.: 13110794
 Received on Ice: Yes No
 Temperature: 18 °C

CHAIN OF CUSTODY RECORD No: 853240 Page: 5 of 8

Company: Weaver Geo Consultants P.O. No.: _____
 Project Number: N/A Client Tracking No.: _____
 Project Name: Dust Sampling Quote No.: _____
 Project Location: Chicago, IL
 Sampler(s): Paul Graca Tingting Wang
 Report To: _____ Phone: _____

QC Level	1	2	3	4	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv.	No. of Containers
	117				11/20/08	15:40	Wipe				3
	117/0-0.5'				11/26/13	15:45	Soil				1
	86				11/26/13	16:20	Wipe				3
	86/0-0.5'				11/26/13	16:30	Soil				1
	DUP-2				11/26/13	16:25	Wipe				3
	DUP-2/0-0.5'				11/26/13	16:35	Soil				1
	BLANK-2				11/26/13	16:40	Wipe				3
	87				11/26/13	17:05	Wipe				3
	87/0-0.5'				11/26/13	17:10	Soil				1

Relinquished by: (Signature) [Signature] Date/Time: 11/26/13 1843
 Received by: (Signature) [Signature] Date/Time: 11/26/13 1844
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____
 Relinquished by: (Signature) _____ Date/Time: _____
 Received by: (Signature) _____ Date/Time: _____

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 11/26/13 15:45
 11/26/13 15:45
 11/26/13 16:20
 11/26/13 16:30
 11/26/13 16:25
 11/26/13 16:35
 11/26/13 16:40
 11/26/13 17:05
 11/26/13 17:10

Remarks	Lab No.:	Results Needed:
HOLD	063	am/pm
HOLD	064	
HOLD	065	
HOLD	066	
HOLD	067	
HOLD	068	
HOLD	069	
HOLD	670	
HOLD	071	

Laboratory Work Order No.: 13110754
 Received on Ice: Yes No
 Temperature: 10 °C

Comments: _____
 Preservation Code: A = None B = HNO₃ C = NaOH
 D = H₂SO₄ E = HCl F = 50% m/v HCl

Sample Receipt Checklist

Client Name **WEAVER BOOS**

Date and Time Received: **11/26/2013 6:43:00 PM**

Work Order Number **13110794**

Received by: **DO**

Checklist completed by:

[Signature]
Signature

11/26/13
Date

Reviewed by:

[Initials]
Initials

11/29/13
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 **1.8 °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:

ADD PROJECT NUMBER '3682-300-07' AND PROJECT NAME

'PET COKE AND COAL STUDY' PER PAUL GURUCA E-MAIL 01/13/2014 0917-0