RESULTS OF QUARTERLY GROUNDWATER SAMPLING CONDUCTED DECEMBER 16-17, 2013 FOR FOURTH QUARTER, 2013

EASTERN PORTION OF THE CABOT CARBON/KOPPERS SUPERFUND SITE GAINESVILLE, FLORIDA

Prepared for:

Cabot Corporation
Two Seaport Lane, Suite 1300
Boston, Massachusetts 02210

Prepared by:

Weston Solutions, Inc.
Suite 100
5430 Metric Place
Norcross, Georgia 30092
(770) 325-7900

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WESTON WORK ORDER NO. 05791.013.001.0001

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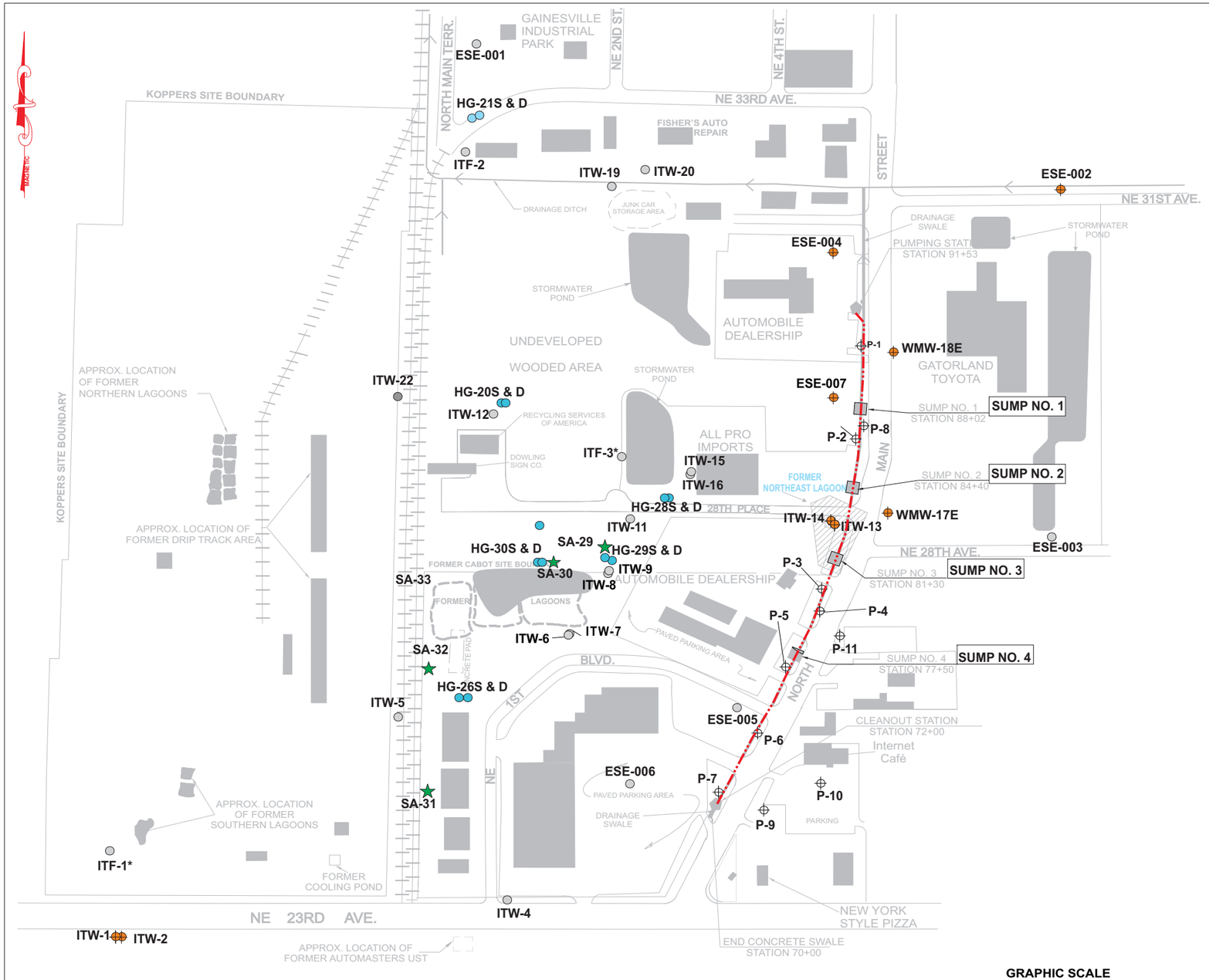
SECTION 1

BACKGROUND

The purpose of the fourth quarter 2013 sampling conducted by Weston Solutions, Inc., (WESTON®) is to evaluate the effectiveness of the groundwater collection system operating along the border of the eastern portion of the Cabot Carbon/Koppers Superfund Site (Eastern Site) (Figure 1-1). The current post-remedial groundwater monitoring program for the Eastern Site includes sampling the following wells on a quarterly basis: ITW-13, ITW-14, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, and up-gradient monitoring wells ITW-1 and ITW-2. This report summarizes the results of the fourth quarter 2013 groundwater sampling event.



NOTE:
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LEGEND

ITW-1	WELLS SAMPLED QUARTERLY
SA-29	SHALLOW AQUIFER WELLS INSTALLED DURING HAWTHORNE INVESTIGATION
HG-30S	HAWTHORNE FORMATION WELLS
P-1	PIEZOMETERS MONITORED FOR GROUNDWATER ELEVATION
ESE-001	WELLS MONITORED FOR GROUNDWATER ELEVATION
ITW-1	WELLS CURRENTLY SAMPLED QUARTERLY INCLUDE (ITW-1, ITW-2, ITW-13, ITW-14, ESE-002, EWE-004, ESE-007, WMW-17E, AND WMW-18E)
	LOCATION AND FLOW DIRECTION OF DRAINAGE DITCH
	GROUNDWATER INTERCEPTOR TRENCH (RED DASHED/DOTTED)
	GROUNDWATER INTERCEPTOR TRENCH PUMPING STATION
SUMP NO. 1	SUMPS ACCESSING GROUNDWATER INTERCEPTOR TRENCH
	GROUNDWATER INTERCEPTOR TRENCH CLEANOUT STATION

GRAPHIC SCALE
0 400' 800'
1" = 400 FEET

WESTON SOLUTIONS

PROJECT TITLE:
CABOT CARBON/KOPPERS SITE
GAINESVILLE, ALACHUA COUNTY, FLORIDA
SITE MAP
FIGURE 1-1

DRAWN:	DATE:	DES. ENG.:	DATE:	W.O. NO.: 05791.013.001.0001
CHECKED: M. Taylor	DATE: Nov. 2013	APPROVED:	DATE:	FILE NAME: Fig-1-1-Site-Map

SECTION 2

METHODOLOGY

Groundwater samples were collected from the Eastern Site monitoring wells by WESTON on December 16 & 17, 2013. The wells were purged using a peristaltic pump and low flow sampling techniques were employed. During the well purge, physical parameter measurements including turbidity, pH, temperature, specific conductance and dissolved oxygen were taken periodically, with the exception of ITW-14. Physical parameters are not measured in ITW-14 due to the tar in the well that may damage the instruments. The physical parameter readings are provided in Appendix A of this report. Once well purging activities were completed, samples were collected through Teflon lined tubing and placed in laboratory provided containers. Samples were packed in a cooler with wet ice and shipped via overnight carrier to TestAmerica, Inc. to be analyzed for the parameters listed in Table 2-1.

Table 2-1
Monitoring Wells Sampled and Corresponding Analytical Parameters,
Fourth Quarter 2013

Groundwater			
Aquifer	**Wells Sampled**	**Parameters**	**Analytical Method**
Surficial	ITW-1, ITW-2, ESE-002, ESE-004, ESE-007, ITW-13, ITW-14, WMW-17E, and WMW-18E	**VOCs** Acetone Benzene Bromoform Bromomethane 2-Butanone (MEK) Carbon Disulfide Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane Chloroform Chloromethane Cis-1,3-Dichlorpropane Dichlorbromomethane 1,1-Dichlorethane 1,2-Dichlorethane 1,1-Dichloroethene 1,2-Dichloropropane Ethylbenzene 2-Hexanone Methylene Chloride 4-Methyl-2-Pentanone (MIBK) Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Vinyl Chloride Xylenes, Total	**8260 B**

Table 2-1 (Continued)

Monitoring Wells Sampled and Corresponding Analytical Parameters,

Fourth Quarter 2013

		PAHs Method Anthracene Phenanthrene Acenaphthylene Acenaphthene Fluorene Pyrene Naphthalene Fluoranthene Benzo(a)pyrene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Dibenzo(a,h)anthracene Indeno(1,2,3-c,d)pyrene Chrysene	8310
		SVOCs Phenol 2,4-Dimethyphenol Pentachlorophenol (PCP)	8270C
		Metals Arsenic Chromium	6010

SECTION 3

WATER LEVEL MEASUREMENTS

To assist in evaluating the interceptor trench's effectiveness, water level measurements were collected on December 16, 2013, from 41 Eastern Site monitoring wells, 6 piezometers, and the 4 sumps along the interceptor trench.

The entire Eastern Site monitoring well network was resurveyed in July 2013, with the exception of the "SA" series wells, which were surveyed in 2011 when installed. The updated survey was undertaken to account for wells that have been relocated during site development activities and reconcile discrepancies in the results of various surveys that have been conducted at the Site over the last 15 years.

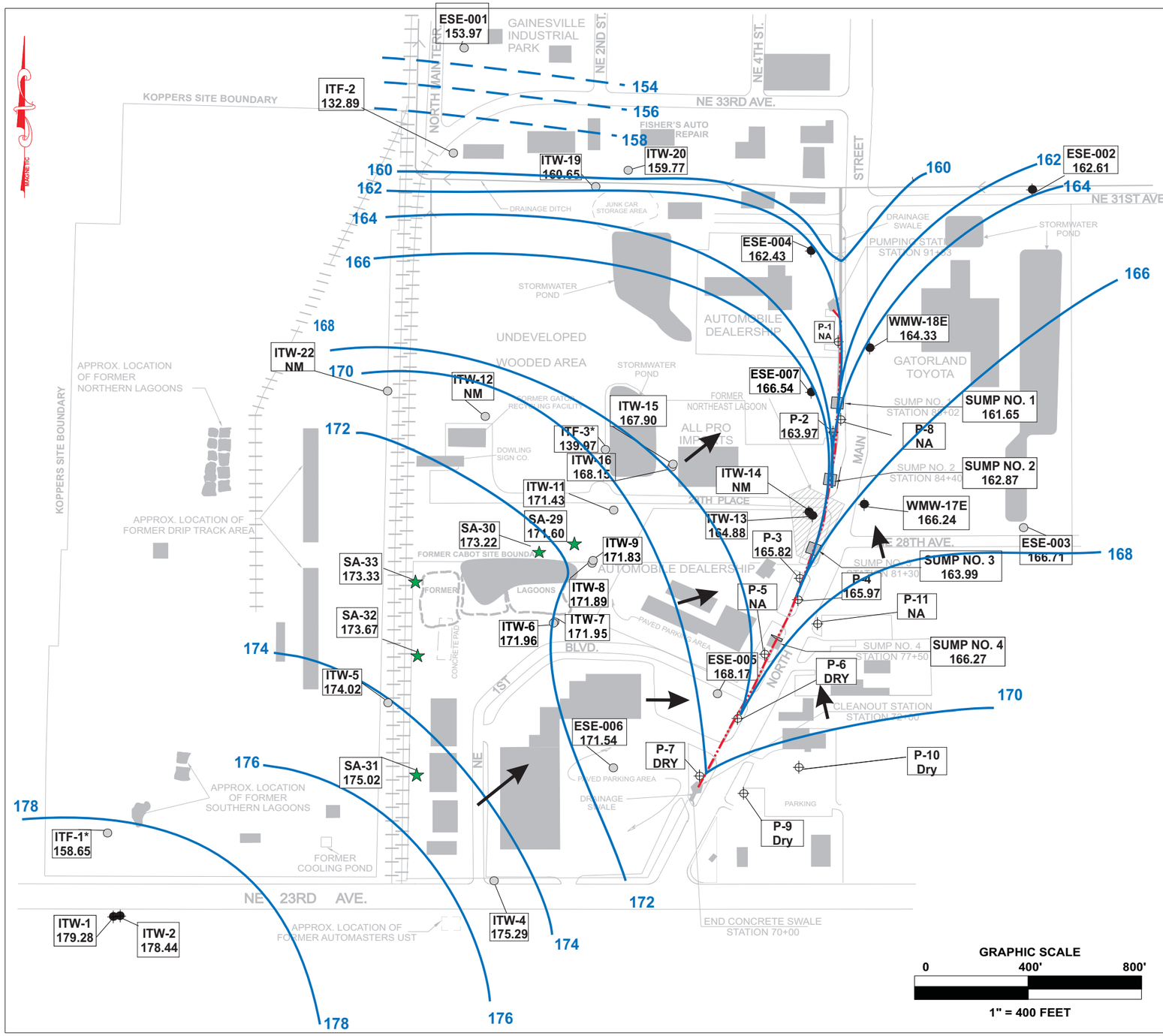
The surveyed elevation and water level data for each well were utilized to calculate the groundwater elevation at each location. The elevation of each well was established by registered Florida land surveyors. Groundwater elevations collected from the Eastern Site are summarized in Table 3-1. Figure 3-1 shows the water level elevations and groundwater flow directions in the upper surficial aquifer measured on December 16, 2013.

Based on the groundwater elevations measured in the surficial aquifer, the groundwater flow direction beneath the southern part of the Cabot Carbon/Koppers site is to the northeast toward the groundwater interceptor trench (see Figure 3-1). The average hydraulic gradient in the southern portion of the Eastern Site is calculated to be approximately 6.47×10^{-3} ft/ft. Beneath the northern part of the Eastern Site, the groundwater flow direction is to the north-northeast and the average hydraulic gradient in this area is approximately 2.84×10^{-3} ft/ft. Groundwater elevations indicate that the interceptor trench maintains effective control of the groundwater in the upper surficial aquifer. For example, groundwater in the area of well WMW-18E continues to flow west towards the interceptor trench (see Figure 3-1).

Table 3-1
Groundwater Depths and Elevations
Water Level Sheet December 16, 2013
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Gainesville, Alachua County, Florida

Monitoring Well ID	Top of Casing/Sump Elevation Feet (MSL)[3]	Depth to Water	Groundwater Elevation Feet (MSL)	Depth of Screened Interval[4]
ITW-1	188.47	9.19	179.28	15.50 - 25.50
ITW-2	187.48	9.04	178.44	5.50 - 15.50
ITW-3	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-4	187.82	12.53	175.29	5.00 - 15.00
ITW-5	185.34	11.32	174.02	19.00 - 24.00
ITW-6	183.10	11.14	171.96	18.50 - 28.50
ITW-7	182.97	11.02	171.95	8.50 - 18.50
ITW-8	180.81	8.92	171.89	18.50 - 28.50
ITW-9	180.30	8.47	171.83	8.00 - 18.00
ITW-10	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-11	180.91	9.48	171.43	6.00 - 16.00
ITW-12	177.49		Not Measured	6.50 - 26.50
ITW-13	174.14	9.26	164.88	23.00 - 33.00
ITW-14[6]	174.80	Less than 0.1 ft of product	Not Measured	5.00 - 15.00
ITW-15[7]	175.90	8.00	167.90	20.00 - 30.00
ITW-16[7]	175.41	7.26	168.15	12.50 - 22.50
WMW-17E[5]	175.29	9.05	166.24	9.00 - 29.00
WMW-18E	172.92	8.59	164.33	9.00 - 29.00
ITW-19	169.74	9.09	160.65	11.00 - 31.00
ITW-20	169.77	10.00	159.77	11.00 - 31.00
ITW-21[5]	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
ITW-22[5]	180.54	NM	Not Measured	3.00 - 13.00
ESE-001	162.05	8.08	153.97	6.50 - 21.20
ESE-002	169.08	6.47	162.61	8.00 - 23.00
ESE-003	171.86	5.15	166.71	9.00 - 29.00
ESE-004[5]	166.69	8.73	157.96	6.50 - 21.50
ESE-005	178.23	10.06	168.17	9.50 - 29.50
ESE-006	180.39	8.85	171.54	7.50 - 27.50
ESE-007	168.42	1.88	166.54	7.50 - 22.50
SA-29	179.32	7.72	171.60	26.0 - 31.0
SA-30	179.50	6.28	173.22	24.0 - 29.0
SA-31	184.45	9.43	175.02	21.0 - 26.0
SA-32	185.07	11.40	173.67	20.0 - 25.0
SA-33	185.66	12.33	173.33	20.0 - 25.0
ITF-1	186.63	27.98	158.65	69.00 - 79.00
ITF-2	168.95	36.06	132.89	71.00 - 81.00
ITF-3	176.61	36.64	139.97	69.50 - 79.50
P-1	Does not currently exist.	Does not currently exist.	Does not currently exist.	Does not currently exist.
P-2	169.77	5.80	163.97	5.18 - 10.18
P-3	171.05	5.23	165.82	5.00 - 10.00
P-4	172.26	6.29	165.97	5.00 - 10.00
P-5	173.20	Dry	Not found	6.65 - 11.65
P-6	177.07	Dry	Dry	7.50 - 12.50
P-7	179.24	Dry	Dry	7.50 - 12.50
P-8	168.44	Not Found	Not Found	5.00 - 10.00
P-9	181.35	silted in	silted in	10.00 - 15.00
P-10	180.23	Dry	Dry	10.00 - 15.00
P-11	173.35	Not Found	Not found	10.00 - 15.00
Sump No. 1	168.95	7.30	161.65	Sump
Sump No. 2	169.80	6.93	162.87	Sump
Sump No. 3	170.94	6.95	163.99	Sump
Sump No. 4	173.27	7.00	166.27	Sump

Notes: 1. Depths to water measured on 12-16-2013.
2. All depths measured in feet below top of casing. Elevations are in feet above mean sea level (MSL).
3. Top of casing elevations measured by registered Florida Land Surveyors.
4. Screened intervals measured from top of casing.
5. Wells ITW-7, ITW-21, ITW-22, ESE-004, and WMW-17E were repaired and resurveyed in July 2000.
6. Depth to water in ITW-14 was not measured due to tar in the well. Estimated thickness of product determined by placing bailer at bottom of well and then measuring thickness of product.
7. Wells ITW-15, ITW-16, WMW-17E, and WMW-18E were resurveyed on September 23, 2009.



NOTE:
THIS FIGURE HAS BEEN GENERATED IN COLOR; IF REPRODUCED IN BLACK AND WHITE, THE CLARITY OF THE INFORMATION PRESENTED WILL BE SUBSTANTIALLY DIMINISHED.

LEGEND

- **SA-29** ★ SHALLOW AQUIFER WELLS INSTALLED DURING HAWTHORNE INVESTIGATION
- **P-1** ⊕ PIEZOMETERS MONITORED FOR GROUNDWATER ELEVATION
- **ESE-001** ○ WELLS MONITORED FOR GROUNDWATER ELEVATION
- **ITW-1** ● WELLS CURRENTLY SAMPLED QUARTERLY INCLUDE (ITW-1, ITW-2, ITW-13, ITW-14, ESE-002, EWE-004, ESE-007, WMW-17E, AND WMW-18E)
- LOCATION AND FLOW DIRECTION OF DRAINAGE DITCH
- **ITW-1 179.04** GROUNDWATER ELEVATIONS (FT MSL) MEASURED ON DECEMBER 16, 2013
- GROUNDWATER ELEVATION CONTOURS FT MSL (SOLID BLUE) CONTOUR INTERVAL = TWO FEET
- BLUE DASHED WHERE INFERRED
- ARROWS INDICATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER INTERCEPTOR TRENCH (RED DASHED/DOTTED)
- GROUNDWATER INTERCEPTOR TRENCH PUMPING STATION
- **SUMP NO. 1** ■ SUMPS ACCESSING GROUNDWATER INTERCEPTOR TRENCH
- GROUNDWATER INTERCEPTOR TRENCH CLEANOUT STATION
- **NM** NOT MEASURED
- **NA** NOT AVAILABLE
- **DRY** WELL WAS DRY AT TIME OF MEASUREMENT
- **TD** TOTAL DEPTH ELEVATION OF DRY WELL
- ***** Wells ITF-1, ITF-2, and ITF-3 are completed in the intermediate aquifer. Groundwater elevation data not part of this potentiometric surface map.

Well ITW-14 has product and the water level indicator is not used.

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GRAPHIC SCALE
0 400' 800'
1" = 400 FEET

WESTON SOLUTIONS

PROJECT TITLE:
CABOT CARBON/KOPPERS SITE
GAINESVILLE, ALACHUA COUNTY, FLORIDA
WATER TABLE ELEVATIONS IN THE SURFICIAL AQUIFER
December 16, 2013
FIGURE 3-1

DRAWN:	DATE:	DES. ENG.:	DATE:	W.O. NO.: 05791.013.001.0001
CHECKED: M. Taylor	DATE: January 2014	APPROVED:	DATE:	FILE NAME: December_2013_POTMAP.CDR

K:\05791\013\December_2013_Potmap.CDR, 2FT Contours

Additionally, the groundwater flow directions shown by the overall potentiometric surface indicate that the groundwater flow direction in the surficial aquifer is generally toward the interceptor trench. These data further substantiate that the Eastern Site interceptor trench is collecting groundwater from the eastern and western sides of the trench.

Based on the groundwater elevations from the three intermediate aquifer wells, the groundwater flow direction in this aquifer continues to be generally toward the east/northeast. A downward hydraulic gradient continues to be present between the surficial and intermediate aquifers. On September, 2013, a head difference of approximately 31.46 feet was measured between surficial aquifer well ITW-11 and intermediate aquifer (Hawthorne Group) well ITF-3 (see Table 3-1).

SECTION 4

ANALYTICAL RESULTS

The laboratory analytical data package for the monitor well samples collected at the Eastern Site in December 2013 is provided in Appendix B, and a summary of these data exceeding Record of Decision (ROD) cleanup goals is contained in Table 4-1. A historical summary of the monitor well data collected prior to the installation of the remedial system is provided in Appendix C. A summary of the recent post-remedial construction monitor well analytical data is provided in Appendix D. Discussion of the second quarter 2013 sampling results is provided below.

Arsenic was not detected above the laboratory reporting limits during this sampling event. Chromium was only detected above laboratory reporting limits in monitoring well ESE-007 (10 µg/L). This concentration is below the ROD clean-up goal of 100 µg/L. Benzene concentrations exceeded the ROD cleanup goals of 1 µg/L in groundwater samples collected from ITW-13 (59 µg/L), ITW-14 (23 µg/L), and ESE-007 (1.4 µg/L). Naphthalene concentrations were above the ROD cleanup goal of 18 µg/L in ITW-14 (130 µg/L). Phenol concentrations did not exceed the ROD cleanup goal of 2,630 µg/L in any of the wells sampled. Total potentially carcinogenic PAHs concentrations were not detected above the laboratory reporting limits during this sampling event.

No continuous layer of tar was observed in ITW-14; however, small droplets of tar were visible in the water extracted from this well. Wells ITW-13 and ITW-14 are located within the former Northeast Lagoon. Groundwater in the area of these wells migrates toward the interceptor trench.

Table 4-1

Summary of Surficial Aquifer Groundwater Analytical Data Exceeding ROD Cleanup Goals
Eastern Portion of Cabot Carbon/Koppers Superfund Site
September 16 & 17, 2013

Well Designation/ Screened Interval (feet)	Parameter	Results (µg/L)	RL (µg/L)	ROD Cleanup Goal (µg/L)
ITW-13 / 23-33	Benzene	59	5.0	1
ITW-14 / 5-15	Benzene	23	1.0	1
	Naphthalene	130	100.0	18
ESE-007 / 7.5-22.5	Benzene	1.4	1.0	1

(µg/L) = micrograms per liter
RL = Report Limit
ROD = Record of Decision
E = Result exceeded calibration range.
* Total Potentially Carcinogenic PAHs include: Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) flouranthene, Benzo (k) flouranthene, Chrysene, Dibenzo (a,h) anthracene, & Indeno (1,2,3-cd)pyrene.

Quality control samples collected included a duplicate, an equipment blank and travel blank. The duplicate sample was collected at well ITW-13. A comparison of the laboratory results from the regular sample and duplicate is provided in Table 4-2. Comparison of the results from ITW-13 and the duplicate show favorable agreement between the sample and duplicate. Results of the travel blank analyses indicated no detections in these samples. In the equipment blank, both toluene (2.4 µg/L) and naphthalene (0.2 µg/L) were detected. The toluene concentration is very close to the detection limits of 1.0 µg/L and the naphthalene concentration is at the detection limit of 0.2 µg/L. No other detections were reported in the equipment blank.

Table 4-2

Comparision of ITW-13 and Duplicate Sample
Eastern Portion of Cabot Carbon/Koppers Superfund Site
December 17, 2013

Parameter	ITW-13 Results (ug/L)	ITW-13 Reporting Limit (ug/L)	ITW-13 Duplicate Results (ug/L)	ITW-13 (Duplicate) Reporting Limit (ug/L)
Acetone	**1300**	130	**1300**	250
Benzene	**59**	5.0	**58.0**	10
2 Butanone (MEK)	**100**	50	**120**	100
Toluene	**250**	5.0	**260.0**	10
Ethylbenzene	**210**	5.0	**220.0**	10
Total Xylenes	**120**	10	**120**	20
2,4-dimethyphenol	**2400**	1000	**1900**	1000
Phenol	**1800**	520	**1900**	520

(μg/L) = micrograms per liter
RL = Reporting Limit

SECTION 5

FINDINGS

Based on the groundwater analytical data collected at the Eastern Site during the fourth quarter 2013 sampling event, WESTON offers the following findings:

- The groundwater interceptor trench continues to maintain effective hydraulic control of the upper surficial aquifer.
- The groundwater interceptor trench continues to effectively capture constituents from the Northeast Lagoon area in the surficial aquifer.
- The overall distribution of constituents appears to be similar to that reported from previous quarterly sampling events for the majority of the site.
- The next quarterly groundwater sampling event for the Eastern Site will is scheduled for March 2014. The wells scheduled to be sampled in the first quarter 2014 are ITW-1, ITW-2, ITW-13, ITW-14, WMW-17E, WMW-18E, ESE-002, ESE-004, and ESE-007.

APPENDIX A

WELL PURGE DATA

Cabot Quarterly Purge Data December 16-17, 2013

Well ID	DTW (Ft)	Time	Date	Volume Gal.	Temp. Deg. C	Conductivity (ms/cm)	pH	Dissolved O2 (MG/L)	Turbidity NTU	ORP	Odor Yes/No	Sample Time	Purge Dry Yes/No	Comments
ITW-1	9.19	14:05	12/16/2013	0.10	21.91	143.00	5.11	2.46	0.00	20.30	no			
		14:15		0.70	22.48	140.00	5.00	0.72	0.00	-35.50	no			
		14:20		1.00	22.48	139.00	4.97	0.56	0.00	-40.90	no			
		14:25		1.30	22.25	138.00	4.98	0.52	0.00	-40.70	no			
	15.65	14:30									no	14:30	no	
ITW-2														
	9.04	14:55	12/16/2013	0.10	22.45	482.00	4.59	1.09	12.70	-39.70	no			
		15:00		0.40	22.55	461.00	4.62	0.65	5.60	-48.20	no			
		15:05		0.70	22.55	446.00	4.64	0.53	2.50	-57.10	no			
		15:10		1.00	22.50	433.00	4.67	0.60	1.50	-64.60	no			
	9.02	15:15									no	15:15	no	
WMW-17E														
	9.05	16:00	12/16/2013	0.10	23.28	120.00	5.08	1.59	0.00	-124.00	yes			
		16:05		0.40	23.62	111.00	5.04	0.60	0.00	-122.60	yes			
		16:10		0.70	23.75	111.00	5.04	0.69	0.00	-123.70	yes			
		16:15		1.00	23.76	110.00	5.03	0.42	0.00	-124.80	yes			
		16:20										16:20		
	9.00												no	
WMW-18E														
	8.59	16:45	12/16/2013	0.10	22.86	204.00	4.77	0.93	94.40	-92.20	yes			sulfur odor
		16:50		0.40	23.23	213.00	4.91	0.43	28.80	-106.20	yes			
		16:55		0.70	23.52	215.00	4.89	0.36	10.60	-110.50	yes			
		17:00		1.00	23.68	215.00	4.88	0.32	2.20	-113.60	yes			
		17:05										17:05		
	9.81												no	
ESE-004														
	8.73	17:25	12/16/2013	0.10	22.35	540.00	5.97	2.88	5.10	-62.90	no			
		17:30		0.50	22.79	594.00	6.09	0.81	0.00	-71.80	no			
		17:35		0.90	22.73	593.00	6.10	1.36	0.00	-76.20	no			
		17:40		1.20	22.56	590.00	6.10	0.56	0.00	-80.00	no			
		17:45		1.50	22.41	584.00	6.09	1.70	0.00	-84.50	no	17:45	no	
	8.62													
ESE-002														
	6.47	7:50	12/17/2013	0.10	21.85	79.00	6.72	2.46	4.20	-119.50	yes			sulfur odor
		7:55		0.50	22.25	74.00	6.20	2.77	2.60	-123.90	yes			
		8:00		0.80	22.15	73.00	6.11	1.67	1.70	-127.80	yes			
		8:05		1.10	22.01	74.00	6.07	0.61	1.50	-127.50	yes			
		8:10		1.40	22.12	74.00	6.05	0.62	0.80	-123.50	yes			
	13.17	8:15										8:15	no	
ESE-007														
	1.88	8:40	12/17/2013	0.10	17.90	560.00	5.37	1.49	0.00	-156.90	yes			bio odor
		8:45		0.50	18.53	594.00	5.35	0.49	0.00	-171.10	yes			
		8:50		0.90	18.83	604.00	5.38	0.30	0.00	-179.60	yes			
		8:55		1.30	18.91	613.00	5.40	0.24	0.00	-189.10	yes			
		9:00										9:00	no	
	2.52													
ITW-13														
	9.26	9:40	12/17/2013	0.10	22.54	163.00	5.11	2.42	0.00	-11.40	yes			Dup. Collected
		9:45		0.40	23.22	153.00	4.98	2.84	0.00	-18.50	yes			
		9:50		0.70	23.38	153.00	5.00	0.57	0.00	-18.00	yes			
		9:55		1.00	23.78	154.00	5.01	0.85	0.00	-18.80	yes			
		10:00										10:00	no	
	18.61													Equip. Blank Collected
ITW-14														
	NM	10:45	12/17/2013	NM	NM	NM	NM	NM	NM	NM	yes	10:45	no	

APPENDIX B

LABORATORY ANALYTICAL DATA PACKAGE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-97232-1
Client Project/Site: Cabot

For:
Weston Solutions, Inc.
94072 Summer Breeze Drive
Fernandina Beach, Florida 32034

Attn: Mr. Mark Taylor

Authorized for release by:
1/9/2014 3:03:09 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

Job ID: 680-97232-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Weston Solutions, Inc.
Project: Cabot
Report Number: 680-97232-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 12/18/2013 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.2º C, 1.2º C, 1.6º C and 3.0º C.

An equipment blank was received, however, the sample was not listed on the COC. Sample was logged in and analyzed.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ITW-1 (680-97232-1), ITW-2 (680-97232-2), WMW-17E (680-97232-3), WMW-18E (680-97232-4), ESE-004 (680-97232-5), ESE-002 (680-97232-6), ESE-007 (680-97232-7), ITW-13 (680-97232-8), Duplicate (680-97232-9), ITW-14 (680-97232-10), Trip Blank TB-01 (680-97232-11), Trip Blank TB-02 (680-97232-12) and Equipment Blank (680-97232-13) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B.

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 309457 recovered outside control limits for acetone. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 309457 recovered outside control limits for 2-butanone (MEK). This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for analytical batch 309455 recovered outside control limits for acetone. The data have been qualified and reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 309455 recovered outside control limits for acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 309743 recovered outside control limits for acetone. This analyte was biased high in the LCS and LCSD but was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 309743 recovered outside control limits for 2-butanone. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data has been reported.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples ITW-1 (680-97232-1), ITW-2 (680-97232-2), WMW-17E (680-97232-3), WMW-18E (680-97232-4), ESE-004 (680-97232-5), ESE-002 (680-97232-6), ESE-007 (680-97232-7), ITW-13 (680-97232-8), Duplicate (680-97232-9), ITW-14 (680-97232-10) and Equipment Blank (680-97232-13) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA

Job ID: 680-97232-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

SW-846 Method 8270D.

Method(s) 8270D LL: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: ESE-004 (680-97232-5), ITW-2 (680-97232-2), WMW-18E (680-97232-4), ITW-1 (680-97232-1), WMW-17E (680-97232-3), Duplicate (680-97232-9), ESE-002 (680-97232-6), ESE-007 (680-97232-7), ITW-13 (680-97232-8), ITW-14 (680-97232-10).

Method(s) 8270D LL: The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: Equipment Blank (680-97232-13). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D LL: Internal standard (ISTD) response for the following sample(s) was outside control limits: Equipment Blank (680-97232-13). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8270D LL: The continuing calibration verification (CCV) analyzed in batch 310448 and 310719 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D LL: Internal standard (ISTD) response for the following sample(s) was outside control limits: ITW-14 (680-97232-10). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8270D LL: The equipment blank associated with the following sample(s) contained a detection for Napthalene above the reporting limit (RL): Equipment Blank (680-97232-13). Reanalysis confirmed.

METALS (ICP)

Samples ITW-1 (680-97232-1), ITW-2 (680-97232-2), WMW-17E (680-97232-3), WMW-18E (680-97232-4), ESE-004 (680-97232-5), ESE-002 (680-97232-6), ESE-007 (680-97232-7), ITW-13 (680-97232-8), Duplicate (680-97232-9), ITW-14 (680-97232-10) and Equipment Blank (680-97232-13) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B.

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-97232-1	ITW-1	Water	12/16/13 14:30	12/18/13 11:00
680-97232-2	ITW-2	Water	12/16/13 15:15	12/18/13 11:00
680-97232-3	WMW-17E	Water	12/16/13 16:20	12/18/13 11:00
680-97232-4	WMW-18E	Water	12/16/13 17:05	12/18/13 11:00
680-97232-5	ESE-004	Water	12/16/13 17:45	12/18/13 11:00
680-97232-6	ESE-002	Water	12/17/13 08:15	12/18/13 11:00
680-97232-7	ESE-007	Water	12/17/13 09:00	12/18/13 11:00
680-97232-8	ITW-13	Water	12/17/13 10:00	12/18/13 11:00
680-97232-9	Duplicate	Water	12/17/13 10:15	12/18/13 11:00
680-97232-10	ITW-14	Water	12/17/13 10:45	12/18/13 11:00
680-97232-11	Trip Blank TB-01	Water	12/17/13 11:40	12/18/13 11:00
680-97232-12	Trip Blank TB-02	Water	12/17/13 11:50	12/18/13 11:00
680-97232-13	Equipment Blank	Water	12/17/13 11:15	12/18/13 11:00

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
6010B	Metals (ICP)	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-1
Date Collected: 12/16/13 14:30
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 13:10	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 13:10	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 13:10	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 13:10	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 13:10	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 13:10	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 13:10	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 13:10	1
2-Hexanone	<10		10		ug/L			12/29/13 13:10	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 13:10	1
Acetone	<25		25		ug/L			12/29/13 13:10	1
Benzene	<1.0		1.0		ug/L			12/29/13 13:10	1
Bromoform	<1.0		1.0		ug/L			12/29/13 13:10	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 13:10	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 13:10	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 13:10	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 13:10	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 13:10	1
Chloroethane	<5.0		5.0		ug/L			12/29/13 13:10	1
Chloroform	<1.0		1.0		ug/L			12/29/13 13:10	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 13:10	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 13:10	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 13:10	1
Ethylbenzene	<1.0		1.0		ug/L			12/29/13 13:10	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 13:10	1
Styrene	<1.0		1.0		ug/L			12/29/13 13:10	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 13:10	1
Toluene	<1.0		1.0		ug/L			12/29/13 13:10	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 13:10	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 13:10	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 13:10	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 13:10	1
Xylenes, Total	<2.0		2.0		ug/L			12/29/13 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/29/13 13:10*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*12/29/13 13:10*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/29/13 13:10*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Acenaphthylene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Anthracene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Benzo[a]anthracene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Benzo[a]pyrene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Benzo[b]fluoranthene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Benzo[g,h,i]perylene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Benzo[k]fluoranthene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Chrysene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-1
Date Collected: 12/16/13 14:30
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-1
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
2,4-Dimethylphenol	<20		20		ug/L		12/21/13 16:38	01/03/14 17:33	10
Fluoranthene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Fluorene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Indeno[1,2,3-cd]pyrene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Naphthalene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Pentachlorophenol	<49		49		ug/L		12/21/13 16:38	01/03/14 17:33	10
Phenanthrene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10
Phenol	<9.8		9.8		ug/L		12/21/13 16:38	01/03/14 17:33	10
Pyrene	<2.0		2.0		ug/L		12/21/13 16:38	01/03/14 17:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/21/13 16:38*	*01/03/14 17:33*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/21/13 16:38*	*01/03/14 17:33*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/21/13 16:38*	*01/03/14 17:33*	*10*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/21/13 16:38*	*01/03/14 17:33*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/21/13 16:38*	*01/03/14 17:33*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/21/13 16:38*	*01/03/14 17:33*	*10*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:20	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:20	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:20	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-2
Date Collected: 12/16/13 15:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 13:42	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 13:42	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 13:42	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 13:42	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 13:42	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 13:42	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 13:42	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 13:42	1
2-Hexanone	<10		10		ug/L			12/29/13 13:42	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 13:42	1
Acetone	<25		25		ug/L			12/29/13 13:42	1
Benzene	<1.0		1.0		ug/L			12/29/13 13:42	1
Bromoform	<1.0		1.0		ug/L			12/29/13 13:42	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 13:42	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 13:42	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 13:42	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 13:42	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 13:42	1
Chloroethane	<5.0		5.0		ug/L			12/29/13 13:42	1
Chloroform	<1.0		1.0		ug/L			12/29/13 13:42	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 13:42	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 13:42	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 13:42	1
Ethylbenzene	<1.0		1.0		ug/L			12/29/13 13:42	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 13:42	1
Styrene	<1.0		1.0		ug/L			12/29/13 13:42	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 13:42	1
Toluene	<1.0		1.0		ug/L			12/29/13 13:42	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 13:42	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 13:42	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 13:42	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 13:42	1
Xylenes, Total	<2.0		2.0		ug/L			12/29/13 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/29/13 13:42*	*1*
Dibromofluoromethane	*114*		*70 - 130*		*12/29/13 13:42*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/29/13 13:42*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Acenaphthylene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Benzo[a]anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Benzo[a]pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Benzo[b]fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Benzo[g,h,i]perylene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Benzo[k]fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Chrysene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-2
Date Collected: 12/16/13 15:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-2
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
2,4-Dimethylphenol	<21		21		ug/L		12/21/13 16:38	01/05/14 00:01	10
Fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Fluorene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Indeno[1,2,3-cd]pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Naphthalene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Pentachlorophenol	<52		52		ug/L		12/21/13 16:38	01/05/14 00:01	10
Phenanthrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10
Phenol	<10		10		ug/L		12/21/13 16:38	01/05/14 00:01	10
Pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/21/13 16:38*	*01/05/14 00:01*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/21/13 16:38*	*01/05/14 00:01*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/21/13 16:38*	*01/05/14 00:01*	*10*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/21/13 16:38*	*01/05/14 00:01*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/21/13 16:38*	*01/05/14 00:01*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/21/13 16:38*	*01/05/14 00:01*	*10*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:25	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:25	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:25	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: WMW-17E
Date Collected: 12/16/13 16:20
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/27/13 15:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/27/13 15:18	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/27/13 15:18	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/27/13 15:18	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/27/13 15:18	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/27/13 15:18	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/27/13 15:18	1
2-Butanone (MEK)	<10	*	10		ug/L			12/27/13 15:18	1
2-Hexanone	<10		10		ug/L			12/27/13 15:18	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/27/13 15:18	1
Acetone	<25	*	25		ug/L			12/27/13 15:18	1
Benzene	<1.0		1.0		ug/L			12/27/13 15:18	1
Bromoform	<1.0		1.0		ug/L			12/27/13 15:18	1
Bromomethane	<5.0		5.0		ug/L			12/27/13 15:18	1
Carbon disulfide	<2.0		2.0		ug/L			12/27/13 15:18	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/27/13 15:18	1
Chlorobenzene	<1.0		1.0		ug/L			12/27/13 15:18	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/27/13 15:18	1
Chloroethane	<5.0		5.0		ug/L			12/27/13 15:18	1
Chloroform	<1.0		1.0		ug/L			12/27/13 15:18	1
Chloromethane	<1.0		1.0		ug/L			12/27/13 15:18	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 15:18	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/27/13 15:18	1
Ethylbenzene	<1.0		1.0		ug/L			12/27/13 15:18	1
Methylene Chloride	<5.0		5.0		ug/L			12/27/13 15:18	1
Styrene	<1.0		1.0		ug/L			12/27/13 15:18	1
Tetrachloroethene	<1.0		1.0		ug/L			12/27/13 15:18	1
Toluene	<1.0		1.0		ug/L			12/27/13 15:18	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/27/13 15:18	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 15:18	1
Trichloroethene	<1.0		1.0		ug/L			12/27/13 15:18	1
Vinyl chloride	<1.0		1.0		ug/L			12/27/13 15:18	1
Xylenes, Total	<2.0		2.0		ug/L			12/27/13 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/27/13 15:18*	*1*
Dibromofluoromethane	*115*		*70 - 130*		*12/27/13 15:18*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/27/13 15:18*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Acenaphthylene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Benzo[a]anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Benzo[a]pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Benzo[b]fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Benzo[g,h,i]perylene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Benzo[k]fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Chrysene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: WMW-17E
Date Collected: 12/16/13 16:20
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
2,4-Dimethylphenol	<21		21		ug/L		12/21/13 16:38	01/03/14 18:22	10
Fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Fluorene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Indeno[1,2,3-cd]pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Naphthalene	**2.6**		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Pentachlorophenol	<52		52		ug/L		12/21/13 16:38	01/03/14 18:22	10
Phenanthrene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10
Phenol	<10		10		ug/L		12/21/13 16:38	01/03/14 18:22	10
Pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/03/14 18:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/21/13 16:38*	*01/03/14 18:22*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/21/13 16:38*	*01/03/14 18:22*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/21/13 16:38*	*01/03/14 18:22*	*10*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/21/13 16:38*	*01/03/14 18:22*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/21/13 16:38*	*01/03/14 18:22*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/21/13 16:38*	*01/03/14 18:22*	*10*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:39	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:39	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:39	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: WMW-18E
Date Collected: 12/16/13 17:05
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 14:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 14:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 14:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 14:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 14:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 14:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 14:15	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 14:15	1
2-Hexanone	<10		10		ug/L			12/29/13 14:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 14:15	1
Acetone	<25		25		ug/L			12/29/13 14:15	1
Benzene	<1.0		1.0		ug/L			12/29/13 14:15	1
Bromoform	<1.0		1.0		ug/L			12/29/13 14:15	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 14:15	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 14:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 14:15	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 14:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 14:15	1
Chloroethane	<5.0		5.0		ug/L			12/29/13 14:15	1
Chloroform	<1.0		1.0		ug/L			12/29/13 14:15	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 14:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 14:15	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 14:15	1
Ethylbenzene	<1.0		1.0		ug/L			12/29/13 14:15	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 14:15	1
Styrene	<1.0		1.0		ug/L			12/29/13 14:15	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 14:15	1
Toluene	<1.0		1.0		ug/L			12/29/13 14:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 14:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 14:15	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 14:15	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 14:15	1
Xylenes, Total	<2.0		2.0		ug/L			12/29/13 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/29/13 14:15*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*12/29/13 14:15*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/29/13 14:15*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Acenaphthylene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Anthracene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Benzo[a]anthracene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Benzo[a]pyrene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Benzo[b]fluoranthene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Benzo[g,h,i]perylene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Benzo[k]fluoranthene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Chrysene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: WMW-18E
Date Collected: 12/16/13 17:05
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
2,4-Dimethylphenol	<400		400		ug/L		12/21/13 16:38	01/05/14 00:25	200
Fluoranthene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Fluorene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Indeno[1,2,3-cd]pyrene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Naphthalene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Pentachlorophenol	<1000		1000		ug/L		12/21/13 16:38	01/05/14 00:25	200
Phenanthrene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200
Phenol	<200		200		ug/L		12/21/13 16:38	01/05/14 00:25	200
Pyrene	<40		40		ug/L		12/21/13 16:38	01/05/14 00:25	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/21/13 16:38*	*01/05/14 00:25*	*200*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/21/13 16:38*	*01/05/14 00:25*	*200*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/21/13 16:38*	*01/05/14 00:25*	*200*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/21/13 16:38*	*01/05/14 00:25*	*200*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/21/13 16:38*	*01/05/14 00:25*	*200*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/21/13 16:38*	*01/05/14 00:25*	*200*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:44	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:44	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:44	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ESE-004
Date Collected: 12/16/13 17:45
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/27/13 16:16	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/27/13 16:16	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/27/13 16:16	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/27/13 16:16	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/27/13 16:16	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/27/13 16:16	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/27/13 16:16	1
2-Butanone (MEK)	<10	*	10		ug/L			12/27/13 16:16	1
2-Hexanone	<10		10		ug/L			12/27/13 16:16	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/27/13 16:16	1
Acetone	**50**	*	25		ug/L			12/27/13 16:16	1
Benzene	<1.0		1.0		ug/L			12/27/13 16:16	1
Bromoform	<1.0		1.0		ug/L			12/27/13 16:16	1
Bromomethane	<5.0		5.0		ug/L			12/27/13 16:16	1
Carbon disulfide	<2.0		2.0		ug/L			12/27/13 16:16	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/27/13 16:16	1
Chlorobenzene	<1.0		1.0		ug/L			12/27/13 16:16	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/27/13 16:16	1
Chloroethane	<5.0		5.0		ug/L			12/27/13 16:16	1
Chloroform	<1.0		1.0		ug/L			12/27/13 16:16	1
Chloromethane	<1.0		1.0		ug/L			12/27/13 16:16	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 16:16	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/27/13 16:16	1
Ethylbenzene	<1.0		1.0		ug/L			12/27/13 16:16	1
Methylene Chloride	<5.0		5.0		ug/L			12/27/13 16:16	1
Styrene	<1.0		1.0		ug/L			12/27/13 16:16	1
Tetrachloroethene	<1.0		1.0		ug/L			12/27/13 16:16	1
Toluene	<1.0		1.0		ug/L			12/27/13 16:16	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/27/13 16:16	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 16:16	1
Trichloroethene	<1.0		1.0		ug/L			12/27/13 16:16	1
Vinyl chloride	<1.0		1.0		ug/L			12/27/13 16:16	1
Xylenes, Total	<2.0		2.0		ug/L			12/27/13 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/27/13 16:16*	*1*
Dibromofluoromethane	*115*		*70 - 130*		*12/27/13 16:16*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/27/13 16:16*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Acenaphthylene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Benzo[a]anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Benzo[a]pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Benzo[b]fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Benzo[g,h,i]perylene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Benzo[k]fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Chrysene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ESE-004
Date Collected: 12/16/13 17:45
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
2,4-Dimethylphenol	<21		21		ug/L		12/21/13 16:38	01/05/14 00:50	10
Fluoranthene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Fluorene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Indeno[1,2,3-cd]pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Naphthalene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Pentachlorophenol	<52		52		ug/L		12/21/13 16:38	01/05/14 00:50	10
Phenanthrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10
Phenol	<10		10		ug/L		12/21/13 16:38	01/05/14 00:50	10
Pyrene	<2.1		2.1		ug/L		12/21/13 16:38	01/05/14 00:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/21/13 16:38*	*01/05/14 00:50*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/21/13 16:38*	*01/05/14 00:50*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/21/13 16:38*	*01/05/14 00:50*	*10*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/21/13 16:38*	*01/05/14 00:50*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/21/13 16:38*	*01/05/14 00:50*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/21/13 16:38*	*01/05/14 00:50*	*10*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:49	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:49	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:49	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ESE-002
Date Collected: 12/17/13 08:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 14:47	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 14:47	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 14:47	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 14:47	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 14:47	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 14:47	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 14:47	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 14:47	1
2-Hexanone	<10		10		ug/L			12/29/13 14:47	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 14:47	1
Acetone	**72**		25		ug/L			12/29/13 14:47	1
Benzene	<1.0		1.0		ug/L			12/29/13 14:47	1
Bromoform	<1.0		1.0		ug/L			12/29/13 14:47	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 14:47	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 14:47	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 14:47	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 14:47	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 14:47	1
Chloroethane	<5.0		5.0		ug/L			12/29/13 14:47	1
Chloroform	<1.0		1.0		ug/L			12/29/13 14:47	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 14:47	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 14:47	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 14:47	1
Ethylbenzene	<1.0		1.0		ug/L			12/29/13 14:47	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 14:47	1
Styrene	<1.0		1.0		ug/L			12/29/13 14:47	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 14:47	1
Toluene	<1.0		1.0		ug/L			12/29/13 14:47	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 14:47	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 14:47	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 14:47	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 14:47	1
Xylenes, Total	<2.0		2.0		ug/L			12/29/13 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/29/13 14:47*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*12/29/13 14:47*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/29/13 14:47*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Acenaphthylene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Anthracene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Benzo[a]anthracene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Benzo[a]pyrene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Benzo[b]fluoranthene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Benzo[g,h,i]perylene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Benzo[k]fluoranthene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Chrysene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ESE-002
Date Collected: 12/17/13 08:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
2,4-Dimethylphenol	<110		110		ug/L		12/23/13 15:55	01/08/14 14:14	50
Fluoranthene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Fluorene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Indeno[1,2,3-cd]pyrene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Naphthalene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Pentachlorophenol	<270		270		ug/L		12/23/13 15:55	01/08/14 14:14	50
Phenanthrene	**27**		11		ug/L		12/23/13 15:55	01/08/14 14:14	50
Phenol	<53		53		ug/L		12/23/13 15:55	01/08/14 14:14	50
Pyrene	<11		11		ug/L		12/23/13 15:55	01/08/14 14:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/23/13 15:55*	*01/08/14 14:14*	*50*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/23/13 15:55*	*01/08/14 14:14*	*50*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/23/13 15:55*	*01/08/14 14:14*	*50*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/23/13 15:55*	*01/08/14 14:14*	*50*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/23/13 15:55*	*01/08/14 14:14*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/23/13 15:55*	*01/08/14 14:14*	*50*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:54	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:54	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:54	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ESE-007
Date Collected: 12/17/13 09:00
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 15:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 15:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 15:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 15:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 15:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 15:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 15:19	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 15:19	1
2-Hexanone	<10		10		ug/L			12/29/13 15:19	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 15:19	1
Acetone	<25		25		ug/L			12/29/13 15:19	1
Benzene	**1.4**		1.0		ug/L			12/29/13 15:19	1
Bromoform	<1.0		1.0		ug/L			12/29/13 15:19	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 15:19	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 15:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 15:19	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 15:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 15:19	1
Chloroethane	<5.0		5.0		ug/L			12/29/13 15:19	1
Chloroform	<1.0		1.0		ug/L			12/29/13 15:19	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 15:19	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 15:19	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 15:19	1
Ethylbenzene	**2.1**		1.0		ug/L			12/29/13 15:19	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 15:19	1
Styrene	<1.0		1.0		ug/L			12/29/13 15:19	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 15:19	1
Toluene	<1.0		1.0		ug/L			12/29/13 15:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 15:19	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 15:19	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 15:19	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 15:19	1
Xylenes, Total	**4.3**		2.0		ug/L			12/29/13 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/29/13 15:19*	*1*
Dibromofluoromethane	*112*		*70 - 130*		*12/29/13 15:19*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/29/13 15:19*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Acenaphthylene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Anthracene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Benzo[a]anthracene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Benzo[a]pyrene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Benzo[b]fluoranthene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Benzo[g,h,i]perylene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Benzo[k]fluoranthene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Chrysene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ESE-007
Date Collected: 12/17/13 09:00
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
2,4-Dimethylphenol	<200		200		ug/L		12/23/13 15:55	01/08/14 14:39	100
Fluoranthene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Fluorene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Indeno[1,2,3-cd]pyrene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Naphthalene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Pentachlorophenol	<510		510		ug/L		12/23/13 15:55	01/08/14 14:39	100
Phenanthrene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100
Phenol	<100		100		ug/L		12/23/13 15:55	01/08/14 14:39	100
Pyrene	<20		20		ug/L		12/23/13 15:55	01/08/14 14:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/23/13 15:55*	*01/08/14 14:39*	*100*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/23/13 15:55*	*01/08/14 14:39*	*100*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/23/13 15:55*	*01/08/14 14:39*	*100*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/23/13 15:55*	*01/08/14 14:39*	*100*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/23/13 15:55*	*01/08/14 14:39*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/23/13 15:55*	*01/08/14 14:39*	*100*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:59	1
Chromium	**10**		10		ug/L		12/18/13 17:28	12/20/13 04:59	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:59	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-13
Date Collected: 12/17/13 10:00
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			12/29/13 15:48	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			12/29/13 15:48	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			12/29/13 15:48	5
1,1-Dichloroethane	<5.0		5.0		ug/L			12/29/13 15:48	5
1,1-Dichloroethene	<5.0		5.0		ug/L			12/29/13 15:48	5
1,2-Dichloroethane	<5.0		5.0		ug/L			12/29/13 15:48	5
1,2-Dichloropropane	<5.0		5.0		ug/L			12/29/13 15:48	5
2-Butanone (MEK)	**100**		50		ug/L			12/29/13 15:48	5
2-Hexanone	<50		50		ug/L			12/29/13 15:48	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			12/29/13 15:48	5
Acetone	**1300**		130		ug/L			12/29/13 15:48	5
Benzene	**59**		5.0		ug/L			12/29/13 15:48	5
Bromoform	<5.0		5.0		ug/L			12/29/13 15:48	5
Bromomethane	<25		25		ug/L			12/29/13 15:48	5
Carbon disulfide	<10		10		ug/L			12/29/13 15:48	5
Carbon tetrachloride	<5.0		5.0		ug/L			12/29/13 15:48	5
Chlorobenzene	<5.0		5.0		ug/L			12/29/13 15:48	5
Chlorodibromomethane	<5.0		5.0		ug/L			12/29/13 15:48	5
Chloroethane	<25		25		ug/L			12/29/13 15:48	5
Chloroform	<5.0		5.0		ug/L			12/29/13 15:48	5
Chloromethane	<5.0		5.0		ug/L			12/29/13 15:48	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			12/29/13 15:48	5
Dichlorobromomethane	<5.0		5.0		ug/L			12/29/13 15:48	5
Ethylbenzene	**210**		5.0		ug/L			12/29/13 15:48	5
Methylene Chloride	<25		25		ug/L			12/29/13 15:48	5
Styrene	<5.0		5.0		ug/L			12/29/13 15:48	5
Tetrachloroethene	<5.0		5.0		ug/L			12/29/13 15:48	5
Toluene	**250**		5.0		ug/L			12/29/13 15:48	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			12/29/13 15:48	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			12/29/13 15:48	5
Trichloroethene	<5.0		5.0		ug/L			12/29/13 15:48	5
Vinyl chloride	<5.0		5.0		ug/L			12/29/13 15:48	5
Xylenes, Total	**120**		10		ug/L			12/29/13 15:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/29/13 15:48*	*5*
Dibromofluoromethane	*105*		*70 - 130*		*12/29/13 15:48*	*5*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/29/13 15:48*	*5*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Acenaphthylene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Benzo[a]anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Benzo[a]pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Benzo[b]fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Benzo[g,h,i]perylene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Benzo[k]fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Chrysene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-13
Date Collected: 12/17/13 10:00
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
2,4-Dimethylphenol	**2400**		1000		ug/L		12/23/13 15:55	01/08/14 15:04	500
Fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Fluorene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Indeno[1,2,3-cd]pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Naphthalene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Pentachlorophenol	<2600		2600		ug/L		12/23/13 15:55	01/08/14 15:04	500
Phenanthrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500
Phenol	**1800**		520		ug/L		12/23/13 15:55	01/08/14 15:04	500
Pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:04	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/23/13 15:55*	*01/08/14 15:04*	*500*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/23/13 15:55*	*01/08/14 15:04*	*500*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/23/13 15:55*	*01/08/14 15:04*	*500*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/23/13 15:55*	*01/08/14 15:04*	*500*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/23/13 15:55*	*01/08/14 15:04*	*500*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/23/13 15:55*	*01/08/14 15:04*	*500*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 05:03	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 05:03	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 05:03	1

Client Sample ID: Duplicate
Date Collected: 12/17/13 10:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		10		ug/L			12/29/13 16:21	10
1,1,2,2-Tetrachloroethane	<10		10		ug/L			12/29/13 16:21	10
1,1,2-Trichloroethane	<10		10		ug/L			12/29/13 16:21	10
1,1-Dichloroethane	<10		10		ug/L			12/29/13 16:21	10
1,1-Dichloroethene	<10		10		ug/L			12/29/13 16:21	10
1,2-Dichloroethane	<10		10		ug/L			12/29/13 16:21	10
1,2-Dichloropropane	<10		10		ug/L			12/29/13 16:21	10
2-Butanone (MEK)	**120**		100		ug/L			12/29/13 16:21	10
2-Hexanone	<100		100		ug/L			12/29/13 16:21	10
4-Methyl-2-pentanone (MIBK)	<100		100		ug/L			12/29/13 16:21	10
Acetone	**1300**		250		ug/L			12/29/13 16:21	10
Benzene	**58**		10		ug/L			12/29/13 16:21	10
Bromoform	<10		10		ug/L			12/29/13 16:21	10
Bromomethane	<50		50		ug/L			12/29/13 16:21	10
Carbon disulfide	<20		20		ug/L			12/29/13 16:21	10
Carbon tetrachloride	<10		10		ug/L			12/29/13 16:21	10
Chlorobenzene	<10		10		ug/L			12/29/13 16:21	10
Chlorodibromomethane	<10		10		ug/L			12/29/13 16:21	10
Chloroethane	<50		50		ug/L			12/29/13 16:21	10
Chloroform	<10		10		ug/L			12/29/13 16:21	10
Chloromethane	<10		10		ug/L			12/29/13 16:21	10
cis-1,3-Dichloropropene	<10		10		ug/L			12/29/13 16:21	10
Dichlorobromomethane	<10		10		ug/L			12/29/13 16:21	10
Ethylbenzene	**220**		10		ug/L			12/29/13 16:21	10
Methylene Chloride	<50		50		ug/L			12/29/13 16:21	10
Styrene	<10		10		ug/L			12/29/13 16:21	10
Tetrachloroethene	<10		10		ug/L			12/29/13 16:21	10
Toluene	**260**		10		ug/L			12/29/13 16:21	10
trans-1,2-Dichloroethene	<10		10		ug/L			12/29/13 16:21	10
trans-1,3-Dichloropropene	<10		10		ug/L			12/29/13 16:21	10
Trichloroethene	<10		10		ug/L			12/29/13 16:21	10
Vinyl chloride	<10		10		ug/L			12/29/13 16:21	10
Xylenes, Total	**120**		20		ug/L			12/29/13 16:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/29/13 16:21*	*10*
Dibromofluoromethane	*109*		*70 - 130*		*12/29/13 16:21*	*10*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/29/13 16:21*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Acenaphthylene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Benzo[a]anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Benzo[a]pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Benzo[b]fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Benzo[g,h,i]perylene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Benzo[k]fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Chrysene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: Duplicate
Date Collected: 12/17/13 10:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
2,4-Dimethylphenol	**1900**		1000		ug/L		12/23/13 15:55	01/08/14 15:29	500
Fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Fluorene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Indeno[1,2,3-cd]pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Naphthalene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Pentachlorophenol	<2600		2600		ug/L		12/23/13 15:55	01/08/14 15:29	500
Phenanthrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500
Phenol	**1900**		520		ug/L		12/23/13 15:55	01/08/14 15:29	500
Pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:29	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/23/13 15:55*	*01/08/14 15:29*	*500*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/23/13 15:55*	*01/08/14 15:29*	*500*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/23/13 15:55*	*01/08/14 15:29*	*500*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/23/13 15:55*	*01/08/14 15:29*	*500*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/23/13 15:55*	*01/08/14 15:29*	*500*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/23/13 15:55*	*01/08/14 15:29*	*500*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 05:08	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 05:08	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 05:08	1

Client Sample ID: ITW-14
Date Collected: 12/17/13 10:45
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 16:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 16:53	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 16:53	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 16:53	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 16:53	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 16:53	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 16:53	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 16:53	1
2-Hexanone	<10		10		ug/L			12/29/13 16:53	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 16:53	1
Acetone	<25		25		ug/L			12/29/13 16:53	1
Benzene	**23**		1.0		ug/L			12/29/13 16:53	1
Bromoform	<1.0		1.0		ug/L			12/29/13 16:53	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 16:53	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 16:53	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 16:53	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 16:53	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 16:53	1
Chloroethane	**15**		5.0		ug/L			12/29/13 16:53	1
Chloroform	<1.0		1.0		ug/L			12/29/13 16:53	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 16:53	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 16:53	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 16:53	1
Ethylbenzene	**110**		1.0		ug/L			12/29/13 16:53	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 16:53	1
Styrene	**8.4**		1.0		ug/L			12/29/13 16:53	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 16:53	1
Toluene	**57**		1.0		ug/L			12/27/13 18:41	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 16:53	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 16:53	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 16:53	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 16:53	1
Xylenes, Total	**300**		2.0		ug/L			12/29/13 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*12/27/13 18:41*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*12/29/13 16:53*	*1*
Dibromofluoromethane	*110*		*70 - 130*		*12/27/13 18:41*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*12/29/13 16:53*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/27/13 18:41*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/29/13 16:53*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Acenaphthylene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Benzo[a]anthracene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Benzo[a]pyrene	<100	*	100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Benzo[b]fluoranthene	<100	*	100		ug/L		12/23/13 15:55	01/08/14 15:54	500

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: ITW-14
Date Collected: 12/17/13 10:45
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	<100	*	100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Benzo[k]fluoranthene	<100	*	100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Chrysene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Dibenz(a,h)anthracene	<100	*	100		ug/L		12/23/13 15:55	01/08/14 15:54	500
2,4-Dimethylphenol	**1500**		1000		ug/L		12/23/13 15:55	01/08/14 15:54	500
Fluoranthene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Fluorene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Indeno[1,2,3-cd]pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Naphthalene	**130**		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Pentachlorophenol	<2600		2600		ug/L		12/23/13 15:55	01/08/14 15:54	500
Phenanthrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500
Phenol	<510		510		ug/L		12/23/13 15:55	01/08/14 15:54	500
Pyrene	<100		100		ug/L		12/23/13 15:55	01/08/14 15:54	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*12/23/13 15:55*	*01/08/14 15:54*	*500*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*12/23/13 15:55*	*01/08/14 15:54*	*500*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*12/23/13 15:55*	*01/08/14 15:54*	*500*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*12/23/13 15:55*	*01/08/14 15:54*	*500*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*12/23/13 15:55*	*01/08/14 15:54*	*500*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*12/23/13 15:55*	*01/08/14 15:54*	*500*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 05:13	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 05:13	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 05:13	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: Trip Blank TB-01
Date Collected: 12/17/13 11:40
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/27/13 12:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/27/13 12:53	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/27/13 12:53	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/27/13 12:53	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/27/13 12:53	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/27/13 12:53	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/27/13 12:53	1
2-Butanone (MEK)	<10	*	10		ug/L			12/27/13 12:53	1
2-Hexanone	<10		10		ug/L			12/27/13 12:53	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/27/13 12:53	1
Acetone	<25	*	25		ug/L			12/27/13 12:53	1
Benzene	<1.0		1.0		ug/L			12/27/13 12:53	1
Bromoform	<1.0		1.0		ug/L			12/27/13 12:53	1
Bromomethane	<5.0		5.0		ug/L			12/27/13 12:53	1
Carbon disulfide	<2.0		2.0		ug/L			12/27/13 12:53	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/27/13 12:53	1
Chlorobenzene	<1.0		1.0		ug/L			12/27/13 12:53	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/27/13 12:53	1
Chloroethane	<5.0		5.0		ug/L			12/27/13 12:53	1
Chloroform	<1.0		1.0		ug/L			12/27/13 12:53	1
Chloromethane	<1.0		1.0		ug/L			12/27/13 12:53	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 12:53	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/27/13 12:53	1
Ethylbenzene	<1.0		1.0		ug/L			12/27/13 12:53	1
Methylene Chloride	<5.0		5.0		ug/L			12/27/13 12:53	1
Styrene	<1.0		1.0		ug/L			12/27/13 12:53	1
Tetrachloroethene	<1.0		1.0		ug/L			12/27/13 12:53	1
Toluene	<1.0		1.0		ug/L			12/27/13 12:53	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/27/13 12:53	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 12:53	1
Trichloroethene	<1.0		1.0		ug/L			12/27/13 12:53	1
Vinyl chloride	<1.0		1.0		ug/L			12/27/13 12:53	1
Xylenes, Total	<2.0		2.0		ug/L			12/27/13 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/27/13 12:53*	*1*
Dibromofluoromethane	*110*		*70 - 130*		*12/27/13 12:53*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/27/13 12:53*	*1*

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: Trip Blank TB-02
Date Collected: 12/17/13 11:50
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/27/13 13:22	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/27/13 13:22	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/27/13 13:22	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/27/13 13:22	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/27/13 13:22	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/27/13 13:22	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/27/13 13:22	1
2-Butanone (MEK)	<10	*	10		ug/L			12/27/13 13:22	1
2-Hexanone	<10		10		ug/L			12/27/13 13:22	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/27/13 13:22	1
Acetone	<25	*	25		ug/L			12/27/13 13:22	1
Benzene	<1.0		1.0		ug/L			12/27/13 13:22	1
Bromoform	<1.0		1.0		ug/L			12/27/13 13:22	1
Bromomethane	<5.0		5.0		ug/L			12/27/13 13:22	1
Carbon disulfide	<2.0		2.0		ug/L			12/27/13 13:22	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/27/13 13:22	1
Chlorobenzene	<1.0		1.0		ug/L			12/27/13 13:22	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/27/13 13:22	1
Chloroethane	<5.0		5.0		ug/L			12/27/13 13:22	1
Chloroform	<1.0		1.0		ug/L			12/27/13 13:22	1
Chloromethane	<1.0		1.0		ug/L			12/27/13 13:22	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 13:22	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/27/13 13:22	1
Ethylbenzene	<1.0		1.0		ug/L			12/27/13 13:22	1
Methylene Chloride	<5.0		5.0		ug/L			12/27/13 13:22	1
Styrene	<1.0		1.0		ug/L			12/27/13 13:22	1
Tetrachloroethene	<1.0		1.0		ug/L			12/27/13 13:22	1
Toluene	<1.0		1.0		ug/L			12/27/13 13:22	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/27/13 13:22	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 13:22	1
Trichloroethene	<1.0		1.0		ug/L			12/27/13 13:22	1
Vinyl chloride	<1.0		1.0		ug/L			12/27/13 13:22	1
Xylenes, Total	<2.0		2.0		ug/L			12/27/13 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/27/13 13:22*	*1*
Dibromofluoromethane	*117*		*70 - 130*		*12/27/13 13:22*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/27/13 13:22*	*1*

Client Sample ID: Equipment Blank
Date Collected: 12/17/13 11:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/27/13 13:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/27/13 13:51	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/27/13 13:51	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/27/13 13:51	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/27/13 13:51	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/27/13 13:51	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/27/13 13:51	1
2-Butanone (MEK)	<10	*	10		ug/L			12/27/13 13:51	1
2-Hexanone	<10		10		ug/L			12/27/13 13:51	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/27/13 13:51	1
Acetone	<25	*	25		ug/L			12/27/13 13:51	1
Benzene	<1.0		1.0		ug/L			12/27/13 13:51	1
Bromoform	<1.0		1.0		ug/L			12/27/13 13:51	1
Bromomethane	<5.0		5.0		ug/L			12/27/13 13:51	1
Carbon disulfide	<2.0		2.0		ug/L			12/27/13 13:51	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/27/13 13:51	1
Chlorobenzene	<1.0		1.0		ug/L			12/27/13 13:51	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/27/13 13:51	1
Chloroethane	<5.0		5.0		ug/L			12/27/13 13:51	1
Chloroform	<1.0		1.0		ug/L			12/27/13 13:51	1
Chloromethane	<1.0		1.0		ug/L			12/27/13 13:51	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 13:51	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/27/13 13:51	1
Ethylbenzene	<1.0		1.0		ug/L			12/27/13 13:51	1
Methylene Chloride	<5.0		5.0		ug/L			12/27/13 13:51	1
Styrene	<1.0		1.0		ug/L			12/27/13 13:51	1
Tetrachloroethene	<1.0		1.0		ug/L			12/27/13 13:51	1
Toluene	**2.4**		1.0		ug/L			12/27/13 13:51	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/27/13 13:51	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 13:51	1
Trichloroethene	<1.0		1.0		ug/L			12/27/13 13:51	1
Vinyl chloride	<1.0		1.0		ug/L			12/27/13 13:51	1
Xylenes, Total	<2.0		2.0		ug/L			12/27/13 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/27/13 13:51*	*1*
Dibromofluoromethane	*116*		*70 - 130*		*12/27/13 13:51*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/27/13 13:51*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Acenaphthylene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Anthracene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Benzo[a]pyrene	<0.20	*	0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Benzo[b]fluoranthene	<0.20	*	0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Benzo[g,h,i]perylene	<0.20	*	0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Benzo[k]fluoranthene	<0.20	*	0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Chrysene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Client Sample ID: Equipment Blank
Date Collected: 12/17/13 11:15
Date Received: 12/18/13 11:00

Lab Sample ID: 680-97232-13
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.20	*	0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
2,4-Dimethylphenol	<2.0		2.0		ug/L		12/23/13 15:55	01/06/14 17:47	1
Fluoranthene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Fluorene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Naphthalene	**0.20**		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Pentachlorophenol	<5.1		5.1		ug/L		12/23/13 15:55	01/06/14 17:47	1
Phenanthrene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1
Phenol	<1.0		1.0		ug/L		12/23/13 15:55	01/06/14 17:47	1
Pyrene	<0.20		0.20		ug/L		12/23/13 15:55	01/06/14 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*34 - 130*	*12/23/13 15:55*	*01/06/14 17:47*	*1*
2-Fluorophenol (Surr)	*88*		*25 - 130*	*12/23/13 15:55*	*01/06/14 17:47*	*1*
Nitrobenzene-d5 (Surr)	*94*		*32 - 130*	*12/23/13 15:55*	*01/06/14 17:47*	*1*
Phenol-d5 (Surr)	*75*		*27 - 130*	*12/23/13 15:55*	*01/06/14 17:47*	*1*
Terphenyl-d14 (Surr)	*123*		*36 - 130*	*12/23/13 15:55*	*01/06/14 17:47*	*1*
2,4,6-Tribromophenol (Surr)	*136*	*X*	*30 - 130*	*12/23/13 15:55*	*01/06/14 17:47*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 05:18	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 05:18	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 05:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-309457/8
Matrix: Water
Analysis Batch: 309457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/27/13 12:24	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/27/13 12:24	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/27/13 12:24	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/27/13 12:24	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/27/13 12:24	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/27/13 12:24	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/27/13 12:24	1
2-Butanone (MEK)	<10		10		ug/L			12/27/13 12:24	1
2-Hexanone	<10		10		ug/L			12/27/13 12:24	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/27/13 12:24	1
Acetone	<25		25		ug/L			12/27/13 12:24	1
Benzene	<1.0		1.0		ug/L			12/27/13 12:24	1
Bromoform	<1.0		1.0		ug/L			12/27/13 12:24	1
Bromomethane	<5.0		5.0		ug/L			12/27/13 12:24	1
Carbon disulfide	<2.0		2.0		ug/L			12/27/13 12:24	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/27/13 12:24	1
Chlorobenzene	<1.0		1.0		ug/L			12/27/13 12:24	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/27/13 12:24	1
Chloroethane	<5.0		5.0		ug/L			12/27/13 12:24	1
Chloroform	<1.0		1.0		ug/L			12/27/13 12:24	1
Chloromethane	<1.0		1.0		ug/L			12/27/13 12:24	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 12:24	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/27/13 12:24	1
Ethylbenzene	<1.0		1.0		ug/L			12/27/13 12:24	1
Methylene Chloride	<5.0		5.0		ug/L			12/27/13 12:24	1
Styrene	<1.0		1.0		ug/L			12/27/13 12:24	1
Tetrachloroethene	<1.0		1.0		ug/L			12/27/13 12:24	1
Toluene	<1.0		1.0		ug/L			12/27/13 12:24	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/27/13 12:24	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/27/13 12:24	1
Trichloroethene	<1.0		1.0		ug/L			12/27/13 12:24	1
Vinyl chloride	<1.0		1.0		ug/L			12/27/13 12:24	1
Xylenes, Total	<2.0		2.0		ug/L			12/27/13 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/27/13 12:24*	*1*
Dibromofluoromethane	*125*		*70 - 130*		*12/27/13 12:24*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/27/13 12:24*	*1*

Lab Sample ID: LCS 680-309457/4
Matrix: Water
Analysis Batch: 309457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	43.7		ug/L		87	76 - 126
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	71 - 127
1,1,2-Trichloroethane	50.0	44.8		ug/L		90	69 - 127
1,1-Dichloroethane	50.0	57.5		ug/L		115	69 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-309457/4
Matrix: Water
Analysis Batch: 309457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	55.8		ug/L		112	73 - 134
1,2-Dichloroethane	50.0	42.1		ug/L		84	75 - 120
1,2-Dichloropropane	50.0	45.5		ug/L		91	71 - 126
2-Butanone (MEK)	100	145	*	ug/L		145	55 - 142
2-Hexanone	100	131		ug/L		131	52 - 149
4-Methyl-2-pentanone (MIBK)	100	99.0		ug/L		99	51 - 143
Acetone	100	178	*	ug/L		178	39 - 162
Benzene	50.0	51.4		ug/L		103	74 - 123
Bromoform	50.0	48.0		ug/L		96	60 - 134
Bromomethane	50.0	32.3		ug/L		65	10 - 171
Carbon disulfide	50.0	54.9		ug/L		110	63 - 142
Carbon tetrachloride	50.0	44.9		ug/L		90	70 - 131
Chlorobenzene	50.0	53.2		ug/L		106	79 - 120
Chlorodibromomethane	50.0	45.5		ug/L		91	63 - 134
Chloroethane	50.0	57.7		ug/L		115	47 - 148
Chloroform	50.0	54.7		ug/L		109	76 - 128
Chloromethane	50.0	36.8		ug/L		74	47 - 151
cis-1,2-Dichloroethene	50.0	58.0		ug/L		116	78 - 127
cis-1,3-Dichloropropene	50.0	44.2		ug/L		88	73 - 128
Dichlorobromomethane	50.0	45.4		ug/L		91	72 - 129
Ethylbenzene	50.0	52.5		ug/L		105	78 - 125
Methylene Chloride	50.0	54.8		ug/L		110	79 - 124
Styrene	50.0	52.2		ug/L		104	75 - 129
Tetrachloroethene	50.0	50.5		ug/L		101	77 - 128
Toluene	50.0	49.5		ug/L		99	77 - 125
trans-1,2-Dichloroethene	50.0	54.8		ug/L		110	78 - 130
trans-1,3-Dichloropropene	50.0	43.7		ug/L		87	72 - 127
Trichloroethene	50.0	46.0		ug/L		92	80 - 120
Vinyl chloride	50.0	55.6		ug/L		111	58 - 141
Xylenes, Total	150	163		ug/L		109	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*110*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 680-309457/5
Matrix: Water
Analysis Batch: 309457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	44.0		ug/L		88	76 - 126	1	30
1,1,2,2-Tetrachloroethane	50.0	48.5		ug/L		97	71 - 127	6	30
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	69 - 127	0	30
1,1-Dichloroethane	50.0	57.8		ug/L		116	69 - 132	1	30
1,1-Dichloroethene	50.0	55.4		ug/L		111	73 - 134	1	30
1,2-Dichloroethane	50.0	41.7		ug/L		83	75 - 120	1	30
1,2-Dichloropropane	50.0	45.8		ug/L		92	71 - 126	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-309457/5
Matrix: Water
Analysis Batch: 309457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			100	142		ug/L		142	55 - 142	2	30
2-Hexanone			100	125		ug/L		125	52 - 149	5	30
4-Methyl-2-pentanone (MIBK)			100	98.5		ug/L		99	51 - 143	1	30
Acetone			100	168	*	ug/L		168	39 - 162	6	50
Benzene			50.0	51.2		ug/L		102	74 - 123	0	30
Bromoform			50.0	42.8		ug/L		86	60 - 134	12	30
Bromomethane			50.0	34.4		ug/L		69	10 - 171	6	50
Carbon disulfide			50.0	55.4		ug/L		111	63 - 142	1	30
Carbon tetrachloride			50.0	44.7		ug/L		89	70 - 131	1	30
Chlorobenzene			50.0	51.2		ug/L		102	79 - 120	4	30
Chlorodibromomethane			50.0	43.4		ug/L		87	63 - 134	5	50
Chloroethane			50.0	50.5		ug/L		101	47 - 148	13	40
Chloroform			50.0	53.8		ug/L		108	76 - 128	2	30
Chloromethane			50.0	29.9		ug/L		60	47 - 151	21	30
cis-1,2-Dichloroethene			50.0	56.6		ug/L		113	78 - 127	3	30
cis-1,3-Dichloropropene			50.0	45.1		ug/L		90	73 - 128	2	30
Dichlorobromomethane			50.0	45.0		ug/L		90	72 - 129	1	30
Ethylbenzene			50.0	49.7		ug/L		99	78 - 125	6	30
Methylene Chloride			50.0	52.7		ug/L		105	79 - 124	4	30
Styrene			50.0	49.6		ug/L		99	75 - 129	5	30
Tetrachloroethene			50.0	48.4		ug/L		97	77 - 128	4	30
Toluene			50.0	48.8		ug/L		98	77 - 125	1	30
trans-1,2-Dichloroethene			50.0	53.3		ug/L		107	78 - 130	3	30
trans-1,3-Dichloropropene			50.0	43.6		ug/L		87	72 - 127	0	50
Trichloroethene			50.0	46.1		ug/L		92	80 - 120	0	30
Vinyl chloride			50.0	58.1		ug/L		116	58 - 141	4	30
Xylenes, Total			150	155		ug/L		103	80 - 124	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*108*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 680-309657/8
Matrix: Water
Analysis Batch: 309657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/29/13 12:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/29/13 12:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/29/13 12:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/29/13 12:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/29/13 12:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/29/13 12:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/29/13 12:38	1
2-Butanone (MEK)	<10		10		ug/L			12/29/13 12:38	1
2-Hexanone	<10		10		ug/L			12/29/13 12:38	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/29/13 12:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-309657/8
Matrix: Water
Analysis Batch: 309657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			12/29/13 12:38	1
Benzene	<1.0		1.0		ug/L			12/29/13 12:38	1
Bromoform	<1.0		1.0		ug/L			12/29/13 12:38	1
Bromomethane	<5.0		5.0		ug/L			12/29/13 12:38	1
Carbon disulfide	<2.0		2.0		ug/L			12/29/13 12:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/29/13 12:38	1
Chlorobenzene	<1.0		1.0		ug/L			12/29/13 12:38	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/29/13 12:38	1
Chloroethane	<5.0		5.0		ug/L			12/29/13 12:38	1
Chloroform	<1.0		1.0		ug/L			12/29/13 12:38	1
Chloromethane	<1.0		1.0		ug/L			12/29/13 12:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 12:38	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/29/13 12:38	1
Ethylbenzene	<1.0		1.0		ug/L			12/29/13 12:38	1
Methylene Chloride	<5.0		5.0		ug/L			12/29/13 12:38	1
Styrene	<1.0		1.0		ug/L			12/29/13 12:38	1
Tetrachloroethene	<1.0		1.0		ug/L			12/29/13 12:38	1
Toluene	<1.0		1.0		ug/L			12/29/13 12:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/29/13 12:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/29/13 12:38	1
Trichloroethene	<1.0		1.0		ug/L			12/29/13 12:38	1
Vinyl chloride	<1.0		1.0		ug/L			12/29/13 12:38	1
Xylenes, Total	<2.0		2.0		ug/L			12/29/13 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/29/13 12:38*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*12/29/13 12:38*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/29/13 12:38*	*1*

Lab Sample ID: LCS 680-309657/4
Matrix: Water
Analysis Batch: 309657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	46.1		ug/L		92	76 - 126
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	71 - 127
1,1,2-Trichloroethane	50.0	45.9		ug/L		92	69 - 127
1,1-Dichloroethane	50.0	51.8		ug/L		104	69 - 132
1,1-Dichloroethene	50.0	53.0		ug/L		106	73 - 134
1,2-Dichloroethane	50.0	42.1		ug/L		84	75 - 120
1,2-Dichloropropane	50.0	40.6		ug/L		81	71 - 126
2-Butanone (MEK)	100	97.8		ug/L		98	55 - 142
2-Hexanone	100	93.3		ug/L		93	52 - 149
4-Methyl-2-pentanone (MIBK)	100	92.4		ug/L		92	51 - 143
Acetone	100	84.4		ug/L		84	39 - 162
Benzene	50.0	45.0		ug/L		90	74 - 123
Bromoform	50.0	52.8		ug/L		106	60 - 134
Bromomethane	50.0	38.4		ug/L		77	10 - 171

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-309657/4
Matrix: Water
Analysis Batch: 309657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	50.0	58.1		ug/L		116	63 - 142
Carbon tetrachloride	50.0	51.0		ug/L		102	70 - 131
Chlorobenzene	50.0	45.6		ug/L		91	79 - 120
Chlorodibromomethane	50.0	44.8		ug/L		90	63 - 134
Chloroethane	50.0	64.8		ug/L		130	47 - 148
Chloroform	50.0	51.3		ug/L		103	76 - 128
Chloromethane	50.0	48.4		ug/L		97	47 - 151
cis-1,2-Dichloroethene	50.0	53.3		ug/L		107	78 - 127
cis-1,3-Dichloropropene	50.0	43.1		ug/L		86	73 - 128
Dichlorobromomethane	50.0	46.0		ug/L		92	72 - 129
Ethylbenzene	50.0	45.5		ug/L		91	78 - 125
Methylene Chloride	50.0	56.6		ug/L		113	79 - 124
Styrene	50.0	46.9		ug/L		94	75 - 129
Tetrachloroethene	50.0	46.2		ug/L		92	77 - 128
Toluene	50.0	45.8		ug/L		92	77 - 125
trans-1,2-Dichloroethene	50.0	53.8		ug/L		108	78 - 130
trans-1,3-Dichloropropene	50.0	41.0		ug/L		82	72 - 127
Trichloroethene	50.0	46.9		ug/L		94	80 - 120
Vinyl chloride	50.0	56.7		ug/L		113	58 - 141
Xylenes, Total	150	136		ug/L		91	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*
Toluene-d8 (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 680-309657/5
Matrix: Water
Analysis Batch: 309657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	42.3		ug/L		85	76 - 126	9	30
1,1,2,2-Tetrachloroethane	50.0	44.3		ug/L		89	71 - 127	3	30
1,1,2-Trichloroethane	50.0	46.0		ug/L		92	69 - 127	0	30
1,1-Dichloroethane	50.0	47.5		ug/L		95	69 - 132	9	30
1,1-Dichloroethene	50.0	47.5		ug/L		95	73 - 134	11	30
1,2-Dichloroethane	50.0	40.8		ug/L		82	75 - 120	3	30
1,2-Dichloropropane	50.0	39.6		ug/L		79	71 - 126	3	30
2-Butanone (MEK)	100	90.9		ug/L		91	55 - 142	7	30
2-Hexanone	100	90.5		ug/L		91	52 - 149	3	30
4-Methyl-2-pentanone (MIBK)	100	90.3		ug/L		90	51 - 143	2	30
Acetone	100	79.0		ug/L		79	39 - 162	7	50
Benzene	50.0	42.9		ug/L		86	74 - 123	5	30
Bromoform	50.0	50.1		ug/L		100	60 - 134	5	30
Bromomethane	50.0	37.5		ug/L		75	10 - 171	2	50
Carbon disulfide	50.0	52.3		ug/L		105	63 - 142	11	30
Carbon tetrachloride	50.0	46.2		ug/L		92	70 - 131	10	30
Chlorobenzene	50.0	45.7		ug/L		91	79 - 120	0	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-309657/5
Matrix: Water
Analysis Batch: 309657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			50.0	42.2		ug/L		84	63 - 134	6	50
Chloroethane			50.0	60.7		ug/L		121	47 - 148	7	40
Chloroform			50.0	48.3		ug/L		97	76 - 128	6	30
Chloromethane			50.0	45.0		ug/L		90	47 - 151	7	30
cis-1,2-Dichloroethene			50.0	50.1		ug/L		100	78 - 127	6	30
cis-1,3-Dichloropropene			50.0	41.7		ug/L		83	73 - 128	3	30
Dichlorobromomethane			50.0	44.6		ug/L		89	72 - 129	3	30
Ethylbenzene			50.0	43.5		ug/L		87	78 - 125	5	30
Methylene Chloride			50.0	52.5		ug/L		105	79 - 124	8	30
Styrene			50.0	45.4		ug/L		91	75 - 129	3	30
Tetrachloroethene			50.0	44.5		ug/L		89	77 - 128	4	30
Toluene			50.0	45.1		ug/L		90	77 - 125	2	30
trans-1,2-Dichloroethene			50.0	49.1		ug/L		98	78 - 130	9	30
trans-1,3-Dichloropropene			50.0	39.1		ug/L		78	72 - 127	5	50
Trichloroethene			50.0	44.4		ug/L		89	80 - 120	5	30
Vinyl chloride			50.0	50.7		ug/L		101	58 - 141	11	30
Xylenes, Total			150	132		ug/L		88	80 - 124	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*90*		*70 - 130*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-308777/18-A
Matrix: Water
Analysis Batch: 310189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 308777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Acenaphthylene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Anthracene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Chrysene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
2,4-Dimethylphenol	<2.0		2.0		ug/L		12/21/13 16:38	01/02/14 14:33	1
Fluoranthene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Fluorene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Naphthalene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Pentachlorophenol	<5.0		5.0		ug/L		12/21/13 16:38	01/02/14 14:33	1
Phenanthrene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1
Phenol	<1.0		1.0		ug/L		12/21/13 16:38	01/02/14 14:33	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 680-308777/18-A
Matrix: Water
Analysis Batch: 310189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 308777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.20		0.20		ug/L		12/21/13 16:38	01/02/14 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*34 - 130*	*12/21/13 16:38*	*01/02/14 14:33*	*1*
2-Fluorophenol (Surr)	*68*		*25 - 130*	*12/21/13 16:38*	*01/02/14 14:33*	*1*
Nitrobenzene-d5 (Surr)	*75*		*32 - 130*	*12/21/13 16:38*	*01/02/14 14:33*	*1*
Phenol-d5 (Surr)	*66*		*27 - 130*	*12/21/13 16:38*	*01/02/14 14:33*	*1*
Terphenyl-d14 (Surr)	*85*		*36 - 130*	*12/21/13 16:38*	*01/02/14 14:33*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*30 - 130*	*12/21/13 16:38*	*01/02/14 14:33*	*1*

Lab Sample ID: LCS 680-308777/19-A
Matrix: Water
Analysis Batch: 310189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 308777

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	7.19		ug/L		72	42 - 130
Acenaphthylene	10.0	8.04		ug/L		80	45 - 130
Anthracene	10.0	8.07		ug/L		81	58 - 130
Benzo[a]anthracene	10.0	8.44		ug/L		84	42 - 143
Benzo[a]pyrene	10.0	7.89		ug/L		79	45 - 151
Benzo[b]fluoranthene	10.0	8.12		ug/L		81	41 - 140
Benzo[g,h,i]perylene	10.0	7.30		ug/L		73	27 - 134
Benzo[k]fluoranthene	10.0	7.44		ug/L		74	45 - 140
Chrysene	10.0	7.58		ug/L		76	40 - 142
Dibenz(a,h)anthracene	10.0	7.68		ug/L		77	38 - 130
2,4-Dimethylphenol	10.0	6.51		ug/L		65	41 - 130
Fluoranthene	10.0	8.54		ug/L		85	46 - 136
Fluorene	10.0	8.04		ug/L		80	48 - 130
Indeno[1,2,3-cd]pyrene	10.0	7.27		ug/L		73	12 - 130
Naphthalene	10.0	6.15		ug/L		62	35 - 130
Pentachlorophenol	10.0	5.20		ug/L		52	12 - 156
Phenanthrene	10.0	7.79		ug/L		78	45 - 134
Phenol	10.0	6.56		ug/L		66	44 - 130
Pyrene	10.0	7.89		ug/L		79	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*34 - 130*
2-Fluorophenol (Surr)	*67*		*25 - 130*
Nitrobenzene-d5 (Surr)	*73*		*32 - 130*
Phenol-d5 (Surr)	*67*		*27 - 130*
Terphenyl-d14 (Surr)	*72*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*85*		*30 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 680-308304/1-A
Matrix: Water
Analysis Batch: 308587

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 308304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		12/18/13 17:28	12/20/13 04:11	1
Chromium	<10		10		ug/L		12/18/13 17:28	12/20/13 04:11	1
Copper	<20		20		ug/L		12/18/13 17:28	12/20/13 04:11	1

Lab Sample ID: LCS 680-308304/2-A
Matrix: Water
Analysis Batch: 308587

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 308304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	112		ug/L		112	75 - 125
Chromium	100	107		ug/L		107	75 - 125
Copper	100	108		ug/L		108	75 - 125

Lab Sample ID: 680-97232-13 MS
Matrix: Water
Analysis Batch: 308587

Client Sample ID: Equipment Blank
Prep Type: Total Recoverable
Prep Batch: 308304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<20		100	104		ug/L		104	75 - 125
Chromium	<10		100	99.3		ug/L		99	75 - 125
Copper	<20		100	99.9		ug/L		100	75 - 125

Lab Sample ID: 680-97232-13 MSD
Matrix: Water
Analysis Batch: 308587

Client Sample ID: Equipment Blank
Prep Type: Total Recoverable
Prep Batch: 308304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	<20		100	96.6		ug/L		97	75 - 125	7	20
Chromium	<10		100	98.0		ug/L		98	75 - 125	1	20
Copper	<20		100	98.4		ug/L		98	75 - 125	1	20

GC/MS VOA

Analysis Batch: 309457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-3	WMW-17E	Total/NA	Water	8260B	
680-97232-5	ESE-004	Total/NA	Water	8260B	
680-97232-10	ITW-14	Total/NA	Water	8260B	
680-97232-11	Trip Blank TB-01	Total/NA	Water	8260B	
680-97232-12	Trip Blank TB-02	Total/NA	Water	8260B	
680-97232-13	Equipment Blank	Total/NA	Water	8260B	
LCS 680-309457/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-309457/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-309457/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 309657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-1	ITW-1	Total/NA	Water	8260B	
680-97232-2	ITW-2	Total/NA	Water	8260B	
680-97232-4	WMW-18E	Total/NA	Water	8260B	
680-97232-6	ESE-002	Total/NA	Water	8260B	
680-97232-7	ESE-007	Total/NA	Water	8260B	
680-97232-8	ITW-13	Total/NA	Water	8260B	
680-97232-9	Duplicate	Total/NA	Water	8260B	
680-97232-10	ITW-14	Total/NA	Water	8260B	
LCS 680-309657/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-309657/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-309657/8	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 308777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-1	ITW-1	Total/NA	Water	3520C	
680-97232-2	ITW-2	Total/NA	Water	3520C	
680-97232-3	WMW-17E	Total/NA	Water	3520C	
680-97232-4	WMW-18E	Total/NA	Water	3520C	
680-97232-5	ESE-004	Total/NA	Water	3520C	
LCS 680-308777/19-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-308777/18-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 308941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-6	ESE-002	Total/NA	Water	3520C	
680-97232-7	ESE-007	Total/NA	Water	3520C	
680-97232-8	ITW-13	Total/NA	Water	3520C	
680-97232-9	Duplicate	Total/NA	Water	3520C	
680-97232-10	ITW-14	Total/NA	Water	3520C	
680-97232-13	Equipment Blank	Total/NA	Water	3520C	

Analysis Batch: 310189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-308777/19-A	Lab Control Sample	Total/NA	Water	8270D LL	308777
MB 680-308777/18-A	Method Blank	Total/NA	Water	8270D LL	308777

GC/MS Semi VOA (Continued)

Analysis Batch: 310319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-1	ITW-1	Total/NA	Water	8270D LL	308777
680-97232-3	WMW-17E	Total/NA	Water	8270D LL	308777

Analysis Batch: 310412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-2	ITW-2	Total/NA	Water	8270D LL	308777
680-97232-4	WMW-18E	Total/NA	Water	8270D LL	308777
680-97232-5	ESE-004	Total/NA	Water	8270D LL	308777

Analysis Batch: 310448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-13	Equipment Blank	Total/NA	Water	8270D LL	308941

Analysis Batch: 310719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-6	ESE-002	Total/NA	Water	8270D LL	308941
680-97232-7	ESE-007	Total/NA	Water	8270D LL	308941
680-97232-8	ITW-13	Total/NA	Water	8270D LL	308941
680-97232-9	Duplicate	Total/NA	Water	8270D LL	308941
680-97232-10	ITW-14	Total/NA	Water	8270D LL	308941

Metals

Prep Batch: 308304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-1	ITW-1	Total Recoverable	Water	3005A	
680-97232-2	ITW-2	Total Recoverable	Water	3005A	
680-97232-3	WMW-17E	Total Recoverable	Water	3005A	
680-97232-4	WMW-18E	Total Recoverable	Water	3005A	
680-97232-5	ESE-004	Total Recoverable	Water	3005A	
680-97232-6	ESE-002	Total Recoverable	Water	3005A	
680-97232-7	ESE-007	Total Recoverable	Water	3005A	
680-97232-8	ITW-13	Total Recoverable	Water	3005A	
680-97232-9	Duplicate	Total Recoverable	Water	3005A	
680-97232-10	ITW-14	Total Recoverable	Water	3005A	
680-97232-13	Equipment Blank	Total Recoverable	Water	3005A	
680-97232-13 MS	Equipment Blank	Total Recoverable	Water	3005A	
680-97232-13 MSD	Equipment Blank	Total Recoverable	Water	3005A	
LCS 680-308304/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-308304/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 308587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-1	ITW-1	Total Recoverable	Water	6010B	308304
680-97232-2	ITW-2	Total Recoverable	Water	6010B	308304
680-97232-3	WMW-17E	Total Recoverable	Water	6010B	308304
680-97232-4	WMW-18E	Total Recoverable	Water	6010B	308304
680-97232-5	ESE-004	Total Recoverable	Water	6010B	308304
680-97232-6	ESE-002	Total Recoverable	Water	6010B	308304
680-97232-7	ESE-007	Total Recoverable	Water	6010B	308304

Metals (Continued)

Analysis Batch: 308587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-97232-8	ITW-13	Total Recoverable	Water	6010B	308304
680-97232-9	Duplicate	Total Recoverable	Water	6010B	308304
680-97232-10	ITW-14	Total Recoverable	Water	6010B	308304
680-97232-13	Equipment Blank	Total Recoverable	Water	6010B	308304
680-97232-13 MS	Equipment Blank	Total Recoverable	Water	6010B	308304
680-97232-13 MSD	Equipment Blank	Total Recoverable	Water	6010B	308304
LCS 680-308304/2-A	Lab Control Sample	Total Recoverable	Water	6010B	308304
MB 680-308304/1-A	Method Blank	Total Recoverable	Water	6010B	308304

Client Sample ID: ITW-1

Lab Sample ID: 680-97232-1

Date Collected: 12/16/13 14:30

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309657	12/29/13 13:10	JD1	TAL SAV
Total/NA	Prep	3520C			308777	12/21/13 16:38	RBS	TAL SAV
Total/NA	Analysis	8270D LL		10	310319	01/03/14 17:33	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:20	BCB	TAL SAV

Client Sample ID: ITW-2

Lab Sample ID: 680-97232-2

Date Collected: 12/16/13 15:15

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309657	12/29/13 13:42	JD1	TAL SAV
Total/NA	Prep	3520C			308777	12/21/13 16:38	RBS	TAL SAV
Total/NA	Analysis	8270D LL		10	310412	01/05/14 00:01	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:25	BCB	TAL SAV

Client Sample ID: WMW-17E

Lab Sample ID: 680-97232-3

Date Collected: 12/16/13 16:20

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309457	12/27/13 15:18	MMT	TAL SAV
Total/NA	Prep	3520C			308777	12/21/13 16:38	RBS	TAL SAV
Total/NA	Analysis	8270D LL		10	310319	01/03/14 18:22	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:39	BCB	TAL SAV

Client Sample ID: WMW-18E

Lab Sample ID: 680-97232-4

Date Collected: 12/16/13 17:05

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309657	12/29/13 14:15	JD1	TAL SAV
Total/NA	Prep	3520C			308777	12/21/13 16:38	RBS	TAL SAV
Total/NA	Analysis	8270D LL		200	310412	01/05/14 00:25	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:44	BCB	TAL SAV

Client Sample ID: ESE-004

Lab Sample ID: 680-97232-5

Date Collected: 12/16/13 17:45

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309457	12/27/13 16:16	MMT	TAL SAV
Total/NA	Prep	3520C			308777	12/21/13 16:38	RBS	TAL SAV
Total/NA	Analysis	8270D LL		10	310412	01/05/14 00:50	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:49	BCB	TAL SAV

Client Sample ID: ESE-002

Lab Sample ID: 680-97232-6

Date Collected: 12/17/13 08:15

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309657	12/29/13 14:47	JD1	TAL SAV
Total/NA	Prep	3520C			308941	12/23/13 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D LL		50	310719	01/08/14 14:14	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:54	BCB	TAL SAV

Client Sample ID: ESE-007

Lab Sample ID: 680-97232-7

Date Collected: 12/17/13 09:00

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309657	12/29/13 15:19	JD1	TAL SAV
Total/NA	Prep	3520C			308941	12/23/13 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D LL		100	310719	01/08/14 14:39	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 04:59	BCB	TAL SAV

Client Sample ID: ITW-13

Lab Sample ID: 680-97232-8

Date Collected: 12/17/13 10:00

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	309657	12/29/13 15:48	JD1	TAL SAV
Total/NA	Prep	3520C			308941	12/23/13 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D LL		500	310719	01/08/14 15:04	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 05:03	BCB	TAL SAV

Client Sample ID: Duplicate

Lab Sample ID: 680-97232-9

Date Collected: 12/17/13 10:15

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	309657	12/29/13 16:21	JD1	TAL SAV
Total/NA	Prep	3520C			308941	12/23/13 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D LL		500	310719	01/08/14 15:29	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 05:08	BCB	TAL SAV

Client Sample ID: ITW-14

Lab Sample ID: 680-97232-10

Date Collected: 12/17/13 10:45

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309457	12/27/13 18:41	MMT	TAL SAV
Total/NA	Analysis	8260B		1	309657	12/29/13 16:53	JD1	TAL SAV
Total/NA	Prep	3520C			308941	12/23/13 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D LL		500	310719	01/08/14 15:54	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 05:13	BCB	TAL SAV

Client Sample ID: Trip Blank TB-01

Lab Sample ID: 680-97232-11

Date Collected: 12/17/13 11:40

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309457	12/27/13 12:53	MMT	TAL SAV

Client Sample ID: Trip Blank TB-02

Lab Sample ID: 680-97232-12

Date Collected: 12/17/13 11:50

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309457	12/27/13 13:22	MMT	TAL SAV

Client Sample ID: Equipment Blank

Lab Sample ID: 680-97232-13

Date Collected: 12/17/13 11:15

Matrix: Water

Date Received: 12/18/13 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	309457	12/27/13 13:51	MMT	TAL SAV
Total/NA	Prep	3520C			308941	12/23/13 15:55	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	310448	01/06/14 17:47	JPM	TAL SAV
Total Recoverable	Prep	3005A			308304	12/18/13 17:28	DAS	TAL SAV
Total Recoverable	Analysis	6010B		1	308587	12/20/13 05:18	BCB	TAL SAV

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 80865

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Note
8270 Low level
PAHs + SVOCs

☑ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

◯ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Cabot Quarterly
PROJECT NO.:
PROJECT LOCATION (STATE): FL
TAL (LAB) PROJECT MANAGER: Lisa Harvey
P.O. NUMBER:
CONTRACT NO.:
CLIENT (SITE) PM: Mark Taylor
CLIENT PHONE: 904-261-3085
CLIENT FAX:
CLIENT NAME: Weston Solutions
CLIENT E-MAIL: Mark.taylor@westonsolutions.com
CLIENT ADDRESS: 94072 Summer Breeze Dr. Fernandina Beach FL 32034
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 OF 1

STANDARD REPORT DELIVERY ◯
DATE DUE ______

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE ______

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) *INDICATE* / AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 8260 VOCs / 8270 Low level PAHs (incl. ...) / 6010 metals As Cr Cu

PRESERVATIVE: HCl / None / HNO3

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	8260 VOCs (HCl)	8270 Low level PAHs (None)	6010 metals As Cr Cu (HNO3)	REMARKS
12-16-13	1430	ITW-1						3	2	1	
12-16-13	1615	ITW-2						3	2	1	
12-16-13	1620	WMW-17E						3	2	1	
12-16-13	1705	WMW-18E						3	2	1	
12-16-13	1745	FSE-004						3	2	1	
12-17-13	0815	FSF-002						3	2	1	
12-17-13	0900	FSF-007						3	2	1	
12-17-13	10:00	ITW-13						3	2	1	
12-17-13	10:15	Duplicate						3	2	1	
12-17-13	10:45	ITW-14						3	2	1	
12-17-13	11:40	Trip Blank TB-01						2			
12-17-13	11:50	Trip Blank TB-02						2			

680-97232 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12-17-13	12:00						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY 63000815

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12/18/13	1100	YES ◯ NO ◯		680-97232	3.0/1.6/0.2/1.2

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-97232-1

Login Number: 97232

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	RECEIVED -13 NOT LISTED ON COC
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot

TestAmerica Job ID: 680-97232-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-14
Arkansas DEQ	State Program	6	88-0692	02-01-14 *
California	NELAP	9	3217CA	07-31-14
Colorado	State Program	8	N/A	12-31-13 *
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	06-30-14
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	04-17-14
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-14
Indiana	State Program	5	N/A	06-30-14
Iowa	State Program	7	353	07-01-15
Kentucky	State Program	4	90084	12-31-13 *
Kentucky (UST)	State Program	4	18	06-30-14
Louisiana	NELAP	6	LA100015	12-31-14
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-14
Massachusetts	State Program	1	M-GA006	06-30-14
Michigan	State Program	5	9925	06-30-14
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-14
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-14
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	01-01-14 *
South Carolina	State Program	4	98001	06-30-14
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-14
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia	State Program	3	9950C	12-31-13 *
West Virginia DEP	State Program	3	94	06-30-14
Wisconsin	State Program	5	999819810	08-31-14
Wyoming	State Program	8	8TMS-L	06-30-14

* Expired certification is currently pending renewal and is considered valid.

APPENDIX C

SUMMARY OF PRE-REMEDIAL ACTION GROUNDWATER DATA
EASTERN SITE
GAINESVILLE, FLORIDA

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-1	Chromium	110	60.4	ND	NS	ND	NS	ND	NS	ND	NS	ND	NS	ND	NS	*100
ITW-2	Chromium	100	124	39	NS	ND	NS	ND	NS	8	NS	ND	NS	ND	NS	*100
ITW-3	Chromium	40	NS	11	10	24	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
ITW-4	Chromium	110	45.1	10	9	27	ND	ND	NS	7	ND	ND	ND	23	ND	*100
	Naphthalene	40	35	30	27	17	27	31	NS	5.8	25	58	81	46	25	18
	Acenaphthylene	ND	<1.0	11	13	ND	ND	17	NS	ND	16	7.7	13	8	5.7	130
	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	2	3.5	ND	ND	260
	Benzene	140	ND	20	52	20	24	11	NS	21	20	26	25	9.2	8	1
ITW-5	Chromium	<140	47.1	42	NS	26	8	14	26	5	ND	ND	6	6	5	*100
	Arsenic	73	NS	56	NS	65	43	45	48	45	38	34	50	43	46	50
	PCP	30	120	300	NS	980	690	1,500	890	730	1,100	580	550	440	ND	0.1
	Phenol	ND	65	30	NS	750	990	2,600	2,000	1,850	2,600	1,200	900	700	1,200	2,630
	Naphthalene	1,600	1,000	500	NS	860	2,700	1,300	1,200	900	1,500	1,600	1,600	1,500	670	18
	Acenaphthylene	18	12	44	NS	ND	48	ND	34	69	59	73	74	100	20	130
	Acenaphthene	370	540	ND	NS	190	ND	440	ND	ND	220	460	530	610	320	260
	Fluorene	340	210	180	NS	ND	ND	ND	330	300	320	380	470	450	240	323
	Phenanthrene	290	280	160	NS	ND	130	ND	ND	210	280	300	380	320	200	130
	Anthracene	25	17	12	NS	ND	ND	ND	ND	ND	29	22	31	20	15	1,310
	Benzene	<10	ND	4.8	NS	4.3	4.4	4.7	5	0.8	4.1	4.6	ND	5.7	4.6	1

The data presented in this table represents only those compounds that have been detected above detection limit in groundwater samples from the indicated wells.

(1) Please see Table 6 of Remedial Investigation Report, Cabot Carbon/Koppers Site Vol. 1 (IT Corp., 1987) for analytical detection limits of individual compounds.
(2) Please see Appendix B of Remedial Investigation/Risk Assessment at the Cabot Carbon/Koppers Site, Gainesville, Florida Vol. 3 (Hunter/ESE, 1989).
(3) Please see individual groundwater report for analytical detection limits of compounds for different sampling events.

All results are in µg/L.
µg/L = micrograms per liter.
MDL = laboratory method detection limit.
ND = not detected above the MDL.
NS = not sampled for indicated compound.
* The new EPA MCL for chromium is 100 µg/L. As per the ROD, this new MCL replaces the previous cleanup goals of 50 µg/L.
** Cleanup goal for indicated compound has not been established.
+ Analytical results from January 1994 are suspect. Past groundwater data review indicates sample bottles may have been mislabeled.
++ Sampled only for BTEX constituents.

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-6	Chromium	170	NS	170	110	NS	NS	NS	NS	NS	NS	7	NS	NS	NS	*100
	Naphthalene	1,700	NS	1,100	580	NS	NS	NS	NS	NS	NS	450	NS	NS	NS	18
	Acenaphthylene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	11	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	90	NS	NS	NS	260
	Fluorene	200	NS	73	ND	NS	NS	NS	NS	NS	NS	83	NS	NS	NS	323
	Phenanthrene	32	NS	19	ND	NS	NS	NS	NS	NS	NS	28	NS	NS	NS	130
	Anthracene	<10	NS	2	ND	NS	NS	NS	NS	NS	NS	2	NS	NS	NS	1,310
	Benzene	<10	NS	1.2	1.5	NS	NS	NS	NS	NS	NS	1	NS	NS	NS	1
ITW-7	Chromium	280	NS	110	82	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	23	NS	57	ND	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Acenaphthylene	10	NS	ND	11	NS	NS	NS	NS	NS	NS	7.4	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	2.7	NS	NS	NS	260
	Fluorene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	3.3	NS	NS	NS	323
	Phenanthrene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.4	NS	NS	NS	130
	Anthracene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.4	NS	NS	NS	1,310
	Total Potentially Carcinogenic PAHs	ND	NS	0.8	ND	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	0.003
	Benzene	25	NS	14	12	NS	NS	NS	NS	NS	NS	16	NS	NS	NS	1
ITW-8	Chromium	80	NS	7	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	1	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Phenol	890	NS	720	NS	NS	NS	NS	NS	NS	NS	350	NS	NS	NS	2,630
	Naphthalene	48	NS	15	NS	NS	NS	NS	NS	NS	NS	8.2	NS	NS	NS	18
	Acenaphthylene	ND	NS	73	NS	NS	NS	NS	NS	NS	NS	100	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	22	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	1.2	NS	NS	NS	323
	Benzene	40	NS	ND	NS	NS	NS	NS	47	NS	NS	31	NS	NS	NS	1
ITW-9	Chromium	170	NS	14	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	4	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Naphthalene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	30	NS	NS	NS	18
	Acenaphthylene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	120	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	54	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	3.6	NS	NS	NS	323
	Phenanthrene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS	130
	Phenol	76	NS	180	NS	NS	NS	NS	NS	NS	NS	190	NS	NS	NS	2,630
	Benzene	<10	NS	31	NS	NS	NS	NS	22	NS	NS	ND	NS	NS	NS	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-10 +	Chromium	100	NS	77	53	71	19	12	30	9	ND	ND	8	5	5	*100
	Phenol	ND	NS	5,400	3,060	7,900	13,000	13,000	8,300	ND	1,800	1,200	500	284	310	2,630
	Naphthalene	ND	NS	ND	ND	14	35	84	ND	ND	ND	ND	ND	ND	ND	18
	Acenaphthylene	ND	NS	ND	ND	640	41	470	25	8.5	ND	ND	310	ND	ND	130
	Fluorene	ND	NS	ND	ND	2.6	ND	ND	1.1	ND	ND	0.7	ND	ND	ND	323
	Benzene	150	NS	320	200	250	130	120	120	61	59	65	12	64	60	1
ITW-11 +	Chromium	240	NS	130	12	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
	Arsenic	9	NS	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
	Acenaphthylene	ND	NS	ND	15	ND	7.8	59	61	400	ND	ND	ND	ND	ND	130
	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	323
	Phenanthrene	ND	NS	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	130
	Pyrene	ND	NS	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
	Total Potentially Carcinogenic PAHs	ND	NS	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
	Benzene	<10	NS	3.3	2.7	2.5	1.6	2.7	3.7	2.8	2.5	1.1	0.6	3.7	4.1	1
	Phenol	ND	NS	ND	ND	ND	ND	ND	ND	8,500	ND	ND	ND	ND	ND	2,630
ITW-12	Chromium	0.06	NS	NS	NS	NS	NS	12	ND	ND	NS	NS	NS	NS	NS	*100
ITW-13	Chromium	80	34.4	10	13	10	ND	ND	ND	ND	ND	ND	6	ND	ND	*100
	Phenol	ND	6,500	2,700	2,500	4,000	11,000	7,000	9,300	8,900	6,200	7,500	4,820	5,720	7,100	2,630
	Naphthalene	ND	59	38	6.1	32	84	71	83	51	35	63	40	47	34	18
	Acenaphthylene	ND	<20	35	46	210	240	12	ND	300	ND	ND	370	ND	ND	130
	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	260
	Fluorene	ND	<20	0.3	0.7	0.8	1.2	1.1	1.6	1.8	ND	2.8	3.7	2.1	1.7	323
	Phenanthrene	ND	<20	0.3	ND	0.3	ND	0.4	0.4	0.2	0.26	0.5	0.5	0.6	0.43	130
	Anthracene	ND	?	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	0.18	0.16	1,310
	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	0.003
	Benzene	100	ND	130	140	130	82	49	65	55	75	64	59	62	66	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-14	Chromium	140	NS	ND	7	10	ND	5	ND	6	ND	ND	ND	ND	5	*100
	Phenol	4,100	NS	2,700	2,300	1,600	14,000	9,900	12,000	8,600	5,000	6,700	910	4,460	1,700	2,630
	Naphthalene	18	NS	170	ND	ND	1,100	390	ND	1,100	480	5,400	700	350	240	18
	Acenaphthylene	<10	NS	190	1,600	360	1,200	1,800	9,900	2,700	1,200	13,000	2,000	890	650	130
	Acenaphthene	<10	NS	ND	ND	83	ND	ND	ND	ND	3,100	48,000	3,300	1,400	720	260
	Fluorene	ND	NS	72	80	51	31	50	1,100	370	700	3,500	330	71	59	323
	Phenanthrene	<10	NS	40	12	ND	37	36	ND	230	190	2,000	180	25	23	130
	Anthracene	ND	NS	ND	ND	ND	ND	ND	ND	ND	53	270	16	3.1	3.8	1,310
	Total Potentially Carcinogenic PAHs	ND	NS	49	1,000	19.6	ND	ND	6,040	1,590	ND	ND	410	32	71	0.003
	Benzene	130	NS	45	180	170	68	150	180	120	130	140	160	160	120	1
	Pyrene	ND	NS	ND	ND	ND	ND	ND	5,000	ND	ND	ND	69	ND	6.4	130
ITW-15	Chromium	70	NS	6	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	9	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Phenol	2,200	NS	260	NS	NS	NS	NS	NS	NS	NS	140	NS	NS	NS	2,630
	Naphthalene	ND	NS	ND	NS	NS	NS	NS	NS	NS	NS	4.2	NS	NS	NS	18
	Acenaphthylene	ND	NS	120	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	130
	Fluorene	ND	NS	0.6	NS	NS	NS	NS	NS	NS	NS	1.4	NS	NS	NS	323
	Benzene	19	NS	7	NS	NS	NS	NS	NS	NS	NS	3	NS	NS	NS	1
ITW-16	Chromium	200	NS	61	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	*100
	Arsenic	10	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	50
	Naphthalene	16	NS	3.5	NS	NS	NS	NS	NS	NS	NS	7.9	NS	NS	NS	18
	Acenaphthylene	ND	NS	130	NS	NS	NS	NS	NS	NS	NS	140	NS	NS	NS	130
	Acenaphthene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	3.6	NS	NS	NS	260
	Fluorene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS	323
	Benzene	<10	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	1
ITW-17	Chromium	190	14.3	29	34	12	5	5	NS	NS	NS	NS	NS	NS	NS	*100
	Phenol	<10	6,200	660	1,080	1,400	ND	3,800	NS	NS	NS	NS	NS	NS	NS	2,630
	Naphthalene	ND	140	21	9.4	23	21	170	NS	NS	NS	NS	NS	NS	NS	18
	Acenaphthylene	ND	<20	ND	140	ND	25	310	NS	NS	NS	NS	NS	NS	NS	130
	Acenaphthene	ND	<20	ND	ND	3.7	ND	ND	NS	NS	NS	NS	NS	NS	NS	260
	Fluorene	ND	<20	ND	0.5	0.9	ND	7.3	NS	NS	NS	NS	NS	NS	NS	323
	Phenanthrene	<10	<20	1.3	ND	0.8	0.2	0.9	NS	NS	NS	NS	NS	NS	NS	130
	Benzene	12	ND	26	17	36	10	39	NS	NS	NS	NS	NS	NS	NS	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
WMW-17E	Chromium	NS	NS	NS	NS	NS	NS	25	5	ND	ND	ND	ND	6	10	*100
	Benzene	NS	NS	NS	NS	NS	NS	2.5	20	3.3	1.4	2.5	2.3	49	14	1
	Naphthalene	NS	NS	NS	NS	NS	NS	4.5	15	3.5	ND	2.1	ND	20	6	18
	Acenaphthylene	NS	NS	NS	NS	NS	NS	10	ND	7.1	ND	4.2	ND	ND	ND	130
	Acenaphthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	13	6.2	ND	260
	Anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	0.9	0.39	0.2	ND	1,310
	Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	2.4	ND	ND	ND	130
	Fluorene	NS	NS	NS	NS	NS	NS	0.7	ND	ND	ND	0.3	1.2	1.3	ND	323
	PCP	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	94	ND	ND	0.1
	Phenol	NS	NS	NS	NS	NS	NS	ND	3,000	ND	ND	ND	ND	340	ND	2,630
	Phenanthrene	NS	NS	NS	NS	NS	NS	ND	0.5	ND	ND	ND	1.3	0.32	ND	130
	Total Potentially Carcinogenic PAHs	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	2	ND	ND	0.003
ITW-18	Chromium	110	126	44	47	33	14	16	NS	NS	NS	NS	NS	NS	NS	*100
WMW-18E	Chromium	NS	NS	NS	NS	NS	NS	130	10	8	29	17	230	140	50	*100
	Arsenic	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	19	ND	ND	50
	PCP	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	34	ND	ND	0.1
	Acenaphthylene	NS	NS	NS	NS	NS	NS	5.6	6.8	ND	3.2	7.6	10	ND	ND	130
	Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	0.21	ND	130
	Fluorene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.5	ND	ND	ND	ND	323
	Total Potentially Carcinogenic PAHs	NS	NS	NS	NS	NS	NS	0.4	ND	ND	ND	0.5	0.88	ND	ND	0.003
ITW-19	Chromium	420	NS	47	10	7.4	7	9	ND	9	ND	ND	ND	ND	ND	*100
	Naphthalene	150	NS	96	89	62	88	110	59	68	79	180	170	180	130	18
	Acenaphthylene	ND	NS	ND	ND	ND	9.7	8.5	ND	ND	ND	13	7.2	8.4	ND	130
	Acenaphthene	ND	NS	ND	ND	7.5	ND	ND	ND	7.4	7.7	28	21	28	17	260
	Fluorene	<10	NS	ND	6.2	6	9.2	ND	ND	7.9	7.3	17	14	15	10	323
	Phenanthrene	ND	NS	ND	0.6	0.2	0.6	0.7	0.2	0.3	0.3	0.8	0.54	0.68	0.66	130
	Anthracene	ND	NS	ND	ND	ND	ND	ND	ND	ND	0.2	0.4	0.26	0.25	0.26	1,310
	Benzene	<10	NS	0.9	1.1	1	0.6	0.8	1.2	0.9	1	ND	0.9	0.9	0.9	1
ITW-20	Chromium	470	148	25	13	6.5	ND	ND	ND	8	21	ND	ND	ND	ND	*100
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITW-21	Chromium	60	29.9	8	NS	6.2	ND	ND	NS	ND	ND	ND	ND	ND	ND	*100
	Arsenic	2	NS	42	NS	46	18	20	NS	22	13	15	12	14	10	50
	PCP	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	124	ND	ND	0.1
	Naphthalene	3,400	2,700	4,600	NS	4,300	70	3,100	NS	6,000	3,000	6,600	7,200	6,200	4,500	18
	Acenaphthylene	11	<4.0	260	NS	ND	12	ND	NS	230	94	180	290	220	150	130
	Acenaphthene	210	380	ND	NS	200	ND	ND	NS	ND	100	460	430	380	300	260
	Fluorene	130	160	5.6	NS	120	ND	15	NS	180	100	210	270	220	180	323
	Phenanthrene	ND	69	82	NS	45	ND	5	NS	63	47	79	87	68	55	130
	Anthracene	ND	ND	ND	NS	ND	ND	ND	NS	ND	1.6	2	1.1	1.3	1.2	1,310
	Benzene	ND	ND	8.2	NS	6	5.4	28	NS	3.1	4	3.7	3.5	3.7	2.9	1
ITW-22	Chromium	100	NS	11	NS	11	ND	ND	NS	ND	ND	ND	ND	ND	ND	*100
	Arsenic	8	NS	13	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	50
	PCP	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	ND	52	ND	ND	0.1
	Naphthalene	<10	NS	ND	NS	1.5	ND	ND	NS	ND	ND	11	ND	3.1	ND	18
	Acenaphthene	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	3.9	ND	ND	ND	260
	Phenanthrene	ND	ND	ND	NS	ND	ND	ND	NS	ND	ND	0.2	ND	ND	ND	130
	Total Potentially Carcinogenic PAHs	<10	NS	0.2	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	0.003
ESE-001	Chromium	NS	62.4	51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
	Acenaphthene	NS	1.3	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	260
	Naphthalene	NS	5.2	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18
ESE-002	Chromium	NS	55.6	170	120	39	ND	ND	ND	28	5	ND	19	ND	7	*100
	Naphthalene	NS	27	ND	ND	2	59	7.3	4.8	42	110	12	ND	9.5	6.7	18
	Acenaphthylene	NS	<1.0	ND	ND	ND	5.5	ND	ND	ND	2.9	4	11	ND	10	130
	Acenaphthene	NS	9.3	ND	ND	ND	ND	ND	ND	8.8	4.6	ND	ND	ND	ND	260
	Fluorene	NS	4.4	ND	ND	1	ND	ND	ND	13	9.4	5.1	1.2	2.5	ND	323
	Phenanthrene	NS	<1.0	18	0.4	1.5	3.7	1.2	1.4	12	9.4	9.4	1.2	1.1	0.55	130
	Anthracene	NS	<1.0	1.2	ND	ND	ND	ND	ND	0.8	0.5	0.9	0.29	0.28	0.16	1,310
	Benzene	NS	ND	13	5.2	7.7	4.3	9.2	11	4.2	2.5	2.5	0.8	5	5.1	1
	Pyrene	NS	<1.0	ND	ND	ND	ND	ND	ND	0.6	1.1	2.4	1.8	1.7	1.1	130
	Total Potentially Carcinogenic PAHs	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	0.33	ND	ND	0.003
ESE-003	Chromium	NS	31.3	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
	Benzene	NS	NS	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ESE-004	Chromium	NS	70.2	120	29	29	ND	9	8	7	6	ND	8	5	13	*100
	Phenol	NS	260	ND	23	ND	50	40	ND	ND	315	ND	16	ND	610	2,630
	Naphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	18
	Acenaphthylene	NS	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	130
	Phenanthrene	NS	ND	ND	ND	ND	ND	ND	0.5	ND	ND	0.2	ND	ND	ND	130
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21	ND	ND	1,310
	Benzene	NS	ND	ND	ND	ND	ND	ND	3.2	ND	1.8	ND	ND	ND	3.6	1
	Fluorene	NS	<1.0	ND	ND	ND	ND	ND	ND	0.3	ND	0.7	ND	ND	ND	323
ESE-005	Chromium	NS	59.2	110	53	20	11	ND	ND	ND	ND	ND	ND	ND	ND	*100
	PCP	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	90	ND	ND	0.1
	Phenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	90	ND	ND	56	2,630
	Naphthalene	NS	1,300	660	97	730	170	400	1,000	1,100	420	610	1,100	1,200	3,600	18
	Acenaphthylene	NS	<5.0	81	89	ND	ND	ND	320	ND	49	35	270	84	300	130
	Acenaphthene	NS	68	17	ND	ND	ND	360	ND	ND	ND	44	49	120	190	260
	Fluorene	NS	30	21	4.7	22	10	ND	3.9	45	13	16	42	41	61	323
	Phenanthrene	NS	4.3	4.1	1.1	3.7	1.8	3.4	2.5	8.9	3.5	2.9	5	8.1	20	130
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.3	0.3	0.62	0.53	0.96	1,310
	Pyrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	4.2	130
	Total Potentially Carcinogenic PAHs	NS	<61	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
	Benzene	NS	<100	50	49	59	45	75	130	56	48	86	85	90	150	1
ESE-006	Chromium	NS	230	64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*100
	Phenol	NS	81	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,630
	Naphthalene	NS	340	560	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18
	Acenaphthylene	NS	<20	880	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	130
	Fluorene	NS	ND	24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	323
	Phenanthrene	NS	ND	7.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	130
	Benzene	NS	320	65	NS	NS	60	NS	NS	NS	NS	NS	NS	NS	NS	1
ESE-007	Chromium	NS	45.7	96	47	26	11	9	24	22	5	ND	15	9	10	*100
	Phenol	NS	11,000	240	490	1,550	890	5,000	4,300	6,400	2,100	4,000	3,200	830	540	2,630
	Naphthalene	NS	<40	2.4	12	21	14	25	13	14	15	19	17	35	21	18
	Acenaphthylene	NS	<40	130	210	320	110	ND	9.1	450	ND	ND	440	ND	ND	130
	Acenaphthene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	260
	Phenanthrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.69	ND	0.31	130
	Anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	ND	0.22	1,310
	Fluorene	NS	<40	ND	ND	0.8	ND	ND	1	1.6	ND	2.1	ND	2.8	ND	323
	Total Potentially Carcinogenic PAHs	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND	0.003
	Benzene	NS	ND	74	30	48	9.8	37	25	33	30	38	35	34	10	1

APPENDIX C

Summary of Pre-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

Well Designation	Parameters	IT Corp 1987 Results (µg/L) (1)	Hunter/ ESE 1989 Results (µg/L) (2)	WESTON June 1992 Results (µg/L) (3)	WESTON October 1992 Results (µg/L) (3)	WESTON January 1993 Results (µg/L) (3)	WESTON April 1993 Results (µg/L) (3)	WESTON July 1993 Results (µg/L) (3)	WESTON October 1993 Results (µg/L) (3)	WESTON January 1994 Results (µg/L) (3)	WESTON April 1994 Results (µg/L) (3)	WESTON July 1994 Results (µg/L) (3)	WESTON October 1994 Results (µg/L) (3)	WESTON January 1995 Results (µg/L) (3)	WESTON April 1995 Results (µg/L) (3)	ROD Cleanup Goal (µg/L)
ITF-1 ++	Benzene	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1
	Toluene	ND	ND	1.6	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Ethylbenzene	ND	ND	1.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Xylenes	NS	NS	3.1	4.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
ITF-2 ++	Benzene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1
	Toluene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Ethylbenzene	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
	Xylenes	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
ITF-3 ++	Benzene	ND	ND	2.8	3.5	3.6	2.4	2.6	3.5	2.7	NS	NS	NS	NS	NS	1
	Toluene	ND	ND	1	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	**
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	**
	Xylenes	NS	NS	1.1	1.6	1.4	1.3	3	2	2.1	NS	NS	NS	NS	NS	**

The data presented in this table represents only those compounds that have been detected above detection limit in groundwater samples from the indicated wells.

(1) Please see Table 6 of Remedial Investigation Report, Cabot Carbon/Koppers Site Vol. 1 (IT Corp., 1987) for analytical detection limits of individual compounds.
(2) Please see Appendix B of Remedial Investigation/Risk Assessment at the Cabot Carbon/Koppers Site, Gainesville, Florida Vol. 3 (Hunter/ESE, 1989).
(3) Please see individual groundwater report for analytical detection limits of compounds for different sampling events.

All results are in µg/L.
µg/L = micrograms per liter.
MDL = laboratory method detection limit.
ND = not detected above the MDL.
NS = not sampled for indicated compound.
* The new EPA MCL for chromium is 100 µg/L. As per the ROD, this new MCL replaces the previous cleanup goals of 50 µg/L.
** Cleanup goal for indicated compound has not been established.
+ Analytical results from January 1994 are suspect. Past groundwater data review indicates sample bottles may have been mislabeled.
++ Sampled only for BTEX constituents.

APPENDIX D

SUMMARY OF POST-REMEDIAL ACTION GROUNDWATER DATA
EASTERN SITE
GAINESVILLE, FLORIDA

Appendix D

Summary of Recent Post-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

WELL DESIGNATION	PARAMETERS	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	Spet-10	Dec-10	Mar-11	Jun-11	Aug-11	Nov-11	Mar-12	Jun-12	Aug-12	Dec-12	Mar-13	May-13	Sep-13	Dec-13	ROD cleanup goal
ITW-1	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ITW-1	Acenaphthene	0.67	ND	0.72	0.6	0.19	0.50	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
ITW-1	Anthracene	ND	ND	ND	ND	ND	0.079	0.044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
ITW-1	Fluorene	0.9	0.54	0.81	0.49	0.32	0.31	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
ITW-1	Naphthalene	ND	ND	ND	ND	ND	ND	1.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18
ITW-1	Phenanthrene	ND	ND	ND	ND	ND	0.045	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ITW-1	1- Methylnaphthalene	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-1	2- Methylnaphthalene	ND	ND	ND	ND	ND	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-2	Benzene	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	+	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	1
ITW-2	Total Xylenes	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	+	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	*
ITW-2	Acenaphthene	ND	0.66	1.3	0.8	0.12	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	260
ITW-2	Anthracene	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	1,310
ITW-2	Fluoranthene	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	*
ITW-2	Fluorene	0.98	1	1.6	1.3	0.61	52	0.19	ND	0.56	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	323
ITW-2	Naphthalene	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	18
ITW-2	Phenanthrene	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	130
ITW-2	Pyrene	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	130
ITW-2	2- Methylnaphthalene	ND	ND	ND	ND	ND	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	*
ITW-2	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ND	ND	*100
ITW-13	Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	260	280	700	430	600	950	280	490	1100	1400	860	260	190	360	1300	*
ITW-13	Benzene	82	85	55	120	61	72	ND	63	ND	ND	ND	58	64	88	81	87	81	88	81	74	100	73	86	93	91	88	86	98	67	78	93	83	80	110	79	70	75	130	78	91	75	73	86	59	1
ITW-13	2 Butanone (MEK)											NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	160	140	340	210	320	240	180	260	450	250	240	ND	110	120	100	*
ITW-13	Toluene	460	430	250	350	250	300	350	230	190	170	170	270	280	280	310	290	310	440	390	280	420	320	330	290	370	330	310	260	170	260	330	400	350	550	360	490	680	1600	560	570	440	530	410	250	*
ITW-13	Ethylbenzene	320	300	220	370	240	240	260	250	190	230	240	260	260	280	280	300	270	270	260	270	350	320	290	220	280	310	300	170	140	260	350	280	260	380	240	250	250	480	250	340	300	340	320	210	*
ITW-13	2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	46	46	61	ND	66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-13	4-Methyl-2-Pentanone (MIBK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	440	ND	
ITW-13	Total Xylenes	208	174	116	255	154	135	144	150	120	150	140	160	160	190	190	190	180	180	170	160	210	200	180	120	170	180	180	98	85	170	190	160	160	210	150	150	180	310	140	ND	170	190	180	120	*
ITW-13	Acenaphthene	ND	0.52	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
ITW-13	Acenaphthylene	56	24	ND	ND	13	1.2	12	ND	ND	ND	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	84	37	54	47	ND	26	24	ND	ND	ND	130
ITW-13	Anthracene	ND	ND	ND	ND	0.0084	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
ITW-13	Benzo (a) anthracene	ND	ND	ND	ND	0.012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-13	Benzo (b) fluoranthene	ND	ND	ND	ND	0.031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-13	Fluorene	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
ITW-13	Naphthalene	84	55	80	35	28	36	34	ND	24	23	21	31	54	48	45	26	ND	45	71	41	53	38	50	37	19	24	29	14	13	39	40	40	36	25	53	27	35	250	62	53	49	47	97	ND	18
ITW-13	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ITW-13	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	0.043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
ITW-13	1- Methylnaphthalene	2.5	4.3	ND	3	1.2	ND	ND	ND	ND	ND	ND	ND	2.7	4.6	3.3	ND	ND	5.8	ND	2.3	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	NS	NS	NS	NS	NS	ND	ND	*
ITW-13	2- Methylnaphthalene	5.8	5.5	ND	3.4	2.4	1.5	0.99	ND	ND	ND	1.6	ND	4.1	3.9	3.7	ND	ND	3.4	ND	2.4	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	NS	NS	NS	NS	NS	ND	ND	*
ITW-13	Phenol	9000	4100	2000	5800	7700	4200	10000	5300	2400	ND	940	5200	6200	13000	8800	4600	1500	3100	6100	6300	5900	8300	8100	7800	4700	7500	5100	8300	4300	5100	3000	8700	4400	7000	4700	3700	6300	3400	4000	4200	1300	1100	2,300	1,800	2630
ITW-13	2,4- Dimethylphenol	3000	3300	2600	2000	2800	2200	2700	2900	1800	990	2600	2200	1800	3100	2600	1900	830	1800	2200	2000	2300	2400	3300	2000	2000	2900	2200	2400	2400	2200	2200	2100	2000	2800	2200	2200	3500	2100	2000	2900	2000	1900	3,300	2,400	*
ITW-13	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	1800	440	1700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*
ITW-13	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	6000	950	2700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*
ITW-13	Arsenic	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
ITW-13	Chromium	22	ND	ND	ND	12	ND	ND	ND	14	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ITW-14	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	230	160	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-14	Benzene	ND	ND	30	45	31	43	ND	33	26	ND	ND	ND	25	31	57	47	26	ND	ND	39	46	28	32	42	54	41	35	55	51	46	48	47	33	33	38	45	47	19	15	26	34	34	36	23	1
ITW-14	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	
ITW-14	Toluene	490	360	590	880	540	730	300	630	440	470	380	350	440	420	790	650	230	670	500	580	700	430	380	610	830	580	470	770	650	640	870	800	550	570	560	710	900	290	220	560	560	560	550	57	*
ITW-14	Ethylbenzene	130	120	120	210	140	140	ND	150	110	130	110	94	120	120	210	150	97	200	120	160	160	120	110	150	190	180	130	200	190	200	230	190	160	150	180	180	250	75	69	160	150	150	140	110	*
ITW-14	Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	22	ND	22	23	ND	29	29	ND	9.6	9.7	ND	ND	28	ND	8.4	*
ITW-14	Total Xylenes	468	345	395	624	389	444	ND	470	320	440	330	270	320	350	620	470	280	640	380	470	480	380	320	420	560	470	370	560	570	520	660	550	450	420	500	530	790	260	240	470	450	480	430	300	*
ITW-14	Acenaphthene	170	66	34	36	240	77	4.8	60	ND	ND	ND	ND	ND	ND	23	250	ND	ND	ND	ND	17	ND	ND	ND	160	ND	ND	6	30	ND	820	ND	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	260
ITW-14	Acenaphthylene	1000	440	ND	76	1000	370	83	ND	ND	ND	420	ND	ND	ND	480	610	320	240	**4900	ND	380	260	560	490	990	140	1700	64	300	890	2600	730	210	270	300	490	660	130	80	220	300	24	25	ND	130
ITW-14	Anthracene	44	12	ND	9.1	76	0.30	2.7	ND	ND	ND	26.0	3.2	3.0	3.0	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1310
ITW-14	Benzo (a) anthracene	180	51	ND	3.8	ND	ND	ND	ND	ND	ND	ND	2.8	3.4	1.0	2.2	ND	ND	3.4	**100	0.2	ND	ND	ND	ND	39.0	ND	200.0	ND	7.1	64.0	84.0	35.0	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Benzo (a) pyrene	7.3	1.1	ND	ND	17	ND	ND	ND	ND	ND	ND	4.6	5.7	1.8	3.7	ND	ND	0.57	**45	ND	5	ND	12	ND	49	ND	61	ND	24	6.7	120.0	45.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Benzo (b) fluoranthene	60	4.8	ND	ND	120	75	ND	ND	ND	ND	ND	ND	ND	1.3	23	120	ND	27	**1300	1.2	15	13	31	ND	150	8.3	400	ND	35	73	490	110	ND	15.0	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Benzo (g,h,i) perylene	ND	ND	ND	ND	8.1	3.8	ND	ND	ND	ND	ND	11.0	10.0	2.3	12.0	ND	ND	3.6	**300	ND	ND	ND	ND	ND	ND	ND	220.0	ND	ND	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-14	Benzo (k) flouranthene	ND	ND	ND	ND	24	16	ND	ND	ND	ND	ND	9.5	11	2.6	9.5	ND	ND	8.4	**320	ND	ND	ND	ND	ND	ND	ND	86	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Chrysene	260	56	ND	4	ND	28	ND	ND	900	ND	170	5.7	ND	4.7	14.0	ND	ND	41	**1500	4	ND	16	79	ND	350	22	1500	ND	100	250	800	620	ND	85.0	10	120	130	39	70	74	35	ND	ND	ND	PAH
ITW-14	Dibenzo (a,h) anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	3.8	3.6	6.2	ND	ND	ND	**120	ND	ND	ND	ND	ND	ND	ND	130	ND	8.3	4.4	78	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	34	24	ND	ND	ND	ND	ND	0.7	0.73	ND	3	ND	ND	4	**250	ND	ND	ND	ND	ND	13	ND	58	ND	4	3.4	33.0	ND	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Fluoranthene	120	52	ND	17	ND	260	ND	ND	ND	ND	ND	140	180	60	ND	500	ND	190	**10000	19	150	79	300	29	1300	76	4000	8.4	310	420	3000	1100	31	280	44p	190	320	45	70	39	30	ND	ND	ND	*
ITW-14	Fluorene	230	99	ND	20	350	260	20	ND	ND	ND	ND	ND	ND	52.0	67.0	140	ND	61	**2400	ND	71	36	79	34	220	19	830	8.3	86	120	710	300	19	58	ND	35	78	ND	ND	18	17	ND	ND	ND	323
ITW-14	Naphthalene	520	310	460	200	930	1000	170	530	ND	ND	400	ND	ND	210	230	250	260	250	**3000	120	200	260	250	210	490	110	1100	43	260	340	980	420	180	180	160	170	200	500	40	190	210	180	200	130	18
ITW-14	Phenanthrene	190	43	42	69	480	240	20	120	210	ND	140	ND	ND	11	20	ND	ND	30	**1400	ND	29	15	ND	ND	210	13	620	ND	49	68	450	210	ND	48.0	10.0	33.0	60.0	12.0	16.0	11	7.4	ND	10	ND	130
ITW-14	Pyrene	7.3	11	ND	13	ND	24	ND	ND	ND	ND	ND	23	23	8.8	12	260	ND	ND	ND	ND	22	ND	ND	ND	230	ND	ND	ND	ND	280	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ITW-14	1- Methylnaphthalene	300	130	300	140	410	230	41	350	ND	ND	170	ND	ND	110	150	310	83	160	**4300	36	170	150	180	160	990	98	2800	25	230	360	1900	640	65	200	75	270	280	NS	NS	NS	NS	NS	NS	ND	*
ITW-14	2- Methylnaphthalene	180	150	220	200	1200	690	60	470	ND	ND(J)	250	ND	ND	91	100	200	97	120	**4200	60	80	130	190	160	600	70	1500	32	230	290	1100	360	50	110	82	110	190	NS	NS	NS	NS	NS	NS	ND	*
ITW-14	Total Potentially Carcinogenic PAHs	507.3	112.9	ND	7.8	195	143	0	0	900	0	170	26.6	24.6	15	61.3	120	0	84.07	0.00	5.1	20	29	122	0	601	30	2435	0	189	401.5	1605	850	ND	105	15.6	144.0	130.0	39.0	70.0	74	35	ND	ND	ND	0.003
ITW-14	Phenol	ND	140	ND	280	ND	1100	ND	750	ND	290	ND	ND	ND	220	640	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630
ITW-14	2,4- Dimethylphenol	1800	1900	4700	2000	8400	ND	2600	4600	1800	4400	1900	2700	3000	4300	4800	4900	11000	3900	1700	2600	3900	6100	4000	4500	6000	8100	4100	5200	4600	6100	3500	4100	1900	ND	2800	ND	ND	890	640	1900	2400	2300	2,500	1,500	*
ITW-14	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	1800	2200	640	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	*
ITW-14	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	3500	2700	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	*
ITW-14	Arsenic	21	16	14	15	12	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	50
ITW-14	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
WMW-17E	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	2.1	1.5	ND	ND	ND	ND	ND	1
WMW-17E	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND	ND	4.0	2.7	ND	ND	ND	ND	ND	*
WMW-17E	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
WMW-17E	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	2.9	ND	7.8	3.7	5.5	3.3	ND	2	ND	ND	ND	ND	*
WMW-17E	Acenaphthene	ND	ND	0.37	0.26	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	0.51	ND	260
WMW-17E	Acenaphthylene	ND	ND	ND	ND	0.14	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	2.5	ND	ND	5.7	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6	5.0	1.3	1.4	ND	ND	ND	ND	130
WMW-17E	Anthracene	ND	ND	ND	ND	ND	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
WMW-17E	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
WMW-17E	Naphthalene	ND	ND	ND	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	2.5	1.6	1.7	ND	ND	ND	ND	ND	ND	1.2	ND	1.4	ND	3.2	ND	3.3	29 E	4.0	17	2.5	2.3	1.1	2.6	18
WMW-17E	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
WMW-17E	Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
WMW-17E	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
WMW-17E	1- Methylnaphthalene	ND	ND	ND	ND	ND	0.089	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	2	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	NS	NS	NS	NS	NS	NS	ND	*
WMW-17E	2- Methylnaphthalene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	*
WMW-17E	2,4- Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	43	23	ND	ND	ND	ND	ND	ND	ND	ND	*
WMW-17E	PCP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
WMW-17E	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630
WMW-17E	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	11	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
WMW-18E	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	ND	35	ND	ND	ND	ND	ND	ND	ND	*
WMW-18E	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
WMW-18E	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
WMW-18E	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
WMW-18E	Acenaphthene	ND	ND	ND	ND	ND	0.056	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	260
WMW-18E	Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35	ND	130
WMW-18E	Benzo(b)flouranthene	ND	ND	ND	ND	ND	0.0047	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
WMW-18E	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
WMW-18E	Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18
WMW-18E	Phenanthrene	ND	ND	ND	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
WMW-18E	Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
WMW-18E	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	0.0047	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
WMW-18E	1- Methylnaphthalene	ND	ND	ND	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	*

Appendix D

Summary of Recent Post-Remedial Action Groundwater Data
Eastern Site, Gainesville, Florida

WELL DESIGNATION	PARAMETERS	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	Spet-10	Dec-10	Mar-11	Jun-11	Aug-11	Nov-11	Mar-12	Jun-12	Aug-12	Dec-12	Mar-13	May-13	Sep-13	Dec-13	ROD cleanup goal
WMW-18E	2- Methylnaphthalene	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	*
WMW-18E	PCP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
WMW-18E	2,4- Dimethylphenol	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.0	15.0	11.0	ND	ND	ND	ND	ND	ND	ND	*
WMW-18E	Chromium	66	ND	12	12	12	21	ND	10	17	13	10	17	73	70	170	220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	11.0	10.0	11.0	ND	ND	10	ND	ND	ND	*100
WMW-18E	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
ESE-002	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	130	ND	ND	240	ND	ND	ND	ND	ND	130	72	*
ESE-002	Benzene	ND	ND	ND	2	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
ESE-002	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ESE-002	Total Xylenes	2	1	ND	3.3	2	ND	ND	3.1	5.2	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ESE-002	Acenaphthene	4.8	18	10	16	64	0.50	35	18	41	ND	24	5	2.7	ND	3	16	ND	2	28	ND	ND	20	9.6	37.0	18.0	2.6	11.0	17.0	43.0	8.9	12.0	6.7	27.0	6.0	24.0	3.5	ND	20	3.8	ND	ND	0.63	2.6	ND	260
ESE-002	Acenaphthylene	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	1.6	ND	ND	1.0	ND	ND	5.8	ND	1.7	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	130
ESE-002	Anthracene	0.55	1.8	0.91	1.0	1.3	0.015	1.1	2.0	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	5.7	2.8	ND	2.3	ND	ND	ND	ND	2.1	1.3	3.3	ND	5.2	2.2	2.7	ND	7.8p	ND	ND	0.24	ND	1.7	0.83	0.53	0.72	ND	1,310
ESE-002	Fluorathene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	8.9	3.3	ND	ND	ND	*
ESE-002	Benzo(a)anthracene	ND	ND	ND	ND	0.034	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ESE-002	Chrysene	ND	ND	ND	ND	0.057	ND	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ESE-002	Fluoranthene	3.8	9.4	6.2	5.7	9.8	ND	7.3	8.2	ND	ND	8.5	5.6	4.7	5.3	6.6	ND	4.7	2.6	ND	18	9	9.1	6.1	10	12	ND	14	6.1	9.7	10	ND	8.3	ND	8.8p	ND	2.5	ND	1.0	8.2	ND	ND	2.2	0.94	ND	*
ESE-002	Fluorene	4.9	12.0	8.4	14	54	1.1	30.0	12.0	35.0	ND	22	4.5	3.6	7.8	2.1	3.8	2.3	1.5	34	ND	ND	11	ND	21	9	ND	4	ND	28	2.1	7	2.5	22	ND	11	ND	ND	15	ND	6.4	3.9	0.98	5.7	ND	323
ESE-002	Naphthalene	1.8	5.6	3	10	65	ND	ND	6.2	ND	ND	ND	3	ND	ND	ND	ND	ND	0.93	ND	ND	**24**	**18**	ND	2.6	ND	1.9	4.5	40	ND	3.2	3.2	18	ND	10p	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18
ESE-002	Phenanthrene	4.7	34.0	7.5	18.0	38.0	0.035	37	24	36	11	15	4	3.5	4.8	ND	ND	ND	10	ND	ND	21	ND	13	4	ND	8.5	13	29	3.8	6.4	15	ND	3.7	ND	ND	ND	2.8	19	16	8.6	7.4	7.6	ND	130
ESE-002	Pyrene	1.8	3.3	4.1	3.1	3.1	ND	ND	4.4	ND	ND	ND	3.6	2.5	2.5	2.7	2.6	1.6	1.5	4.8	11	3.9	4.2	4.1	4.2	5.5	1.2	5.1	3.1	4.9	7.0	3.6	4.4	ND	ND	3.6	ND	ND	0.70	1.50	ND	2.7	1.3	0.73	ND	130
ESE-002	1- Methylnaphthalene	1.1	3.4	2.3	3.9	30	0.22	ND	4.1	ND	ND	ND	1.6	ND	3.4	ND	7.5	ND	ND	ND	ND	ND	2.4	ND	11	4.7	ND	2.9	2.8	10	ND	1.8	2.1	4.9P	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ESE-002	2-Methylnaphthalene	5.1	14.0	3.7	8.2	110.0	1.3	6.0	4.0	ND	ND	48	15	ND	14	4.7	14	ND	ND	ND	ND	ND	11	3.1	14	5.5	1.2	2.9	7.2	47	2.3	2.9	1.7	30	1.5p	12	0.96	ND	ND	ND	ND	ND	ND	ND	ND	*
ESE-002	Phenanthrene													ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	18	3.3	2.3	1.8	ND	2.8	ND	ND	ND	ND	130
ESE-002	Pyrene													ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	130
ESE-002	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	0.091	ND	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.19**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.21**	ND	ND	ND	ND	ND	ND	ND	ND	**0.003**
ESE-002	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630
ESE-002	2,4- Dimethylphenol	12	ND	ND	12	ND	ND	ND	ND	13	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ESE-002	Chromium	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	10	ND	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ESE-004	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	ND	ND	ND	ND	ND	37	ND	ND	ND	50	*
ESE-004	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
ESE-004	Ethylbenzene	ND	2.2	1.3	2.2	1.7	1.6	ND	2.0	1.3	1.8	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ESE-004	Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	130
ESE-004	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
ESE-004	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
ESE-004	Naphthalene	ND	ND	ND	0.38	ND	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	18
ESE-004	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ESE-004	2,4- Dimethylphenol	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	*
ESE-004	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630
ESE-004	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ESE-007	Acetone									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	61	30	ND	ND	ND	160	130	36	25	ND	ND	ND	ND	ND	
ESE-007	Benzene	**2.7**	**2.6**	**1.8**	**1.8**	**1.2**	**8**	ND	ND	**2.3**	**3.1**	**1.8**	ND	**1.1**	**4.7**	**3**	**11**	**9.5**	**20**	**14**	**12**	**9.3**	**11**	**6.8**	**5.2**	**1.8**	**2.8**	**3.1**	**5.6**	**2.6**	**2.7**	ND	ND	**6.4**	**2.9**	**4.2**	**6.2**	**3.9**	**13.0**	**9.0**	**4.8**	**4.2**	**3.0**	**3.7**	**1.8**	**1.4**	**1**
ESE-007	2-Butanone (MEK)												NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	27.0	ND	ND	ND	ND	58.0	56	13	ND	ND	ND	ND	ND	*
ESE-007	Toluene	9.5	26	6.8	3.8	3.3	78	62	25	22	33	7.8	43	11	26	2.2	190	210	290	190	160	120	170	7.1	5.2	1.1	3.7	4.5	15	5.7	6.0	ND	22.0	7.9	3.3	17.0	ND	110.0	75	18	5.4	ND	ND	ND	ND	*
ESE-007	Ethylbenzene	42	8.2	6.3	4.9	4	24	ND	10	7.7	11	6	11	3.9	13	1.5	29	31	56	37	34	31	40	14	14	2.6	6.9	5.9	11	5.9	6.0	ND	19.0	6.5	4.7	14.0	3.3	41.0	31	14	14	7.0	9.0	2.3	2.1	*
ESE-007	Total Xylenes	10.4	9.4	5.3	4.9	4	20.7	ND	ND	7.6	10	5.6	10	3.9	14	4.5	31	30	61	44	39	34	44	17	13	3.4	9.1	8.6	13	6.5	7.7	ND	19	7.2	6.2	11	4.9	41	30	14	15	7.6	9.3	3.8	4.3	*
ESE-007	Acenaphthene	ND	ND	ND	ND	ND	ND	0.14	ND	ND	ND(J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
ESE-007	Acenaphthylene	ND	1.5	ND	ND	ND	1.2	1.8	ND	ND	1.3-(J)	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	130
ESE-007	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
ESE-007	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
ESE-007	Naphthalene	2.6	2.2	3.8	2.3	1.5	4.2	3.5	5.2	1.9	2.3	2.3	ND	ND	1.6	1.6	ND	4.5	10	12	6.6	3.7	7.5	2.1	1.1	1.4	1.1	2.1	6.2	2	ND	ND	ND	ND	ND	ND	ND	ND	**70**	2.6	ND	ND	3.7	2.8	ND	18
ESE-007	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ESE-007	1-Methylnaphthalene	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.93	2.5	ND	ND	ND	1.9	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	ND	ND	ND	*
ESE-007	2-Methylnaphthalene	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	1.4	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	ND	ND	ND	*
ESE-007	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
ESE-007	Phenol	680	390	52	28	33	650	1000	290	40	330	130	490	230	270	58	1400	**3400**	1500	2000	1400	390	**2700**	ND	16	ND	33	41	ND	77	98	61	160	83	85	ND	ND	ND	420	370	150	76	37	28	28	ND	*
ESE-007	2,4- Dimethylphenol	ND	80	62	40	41	280	210	ND	35	99	64	95	56	140	36	330	600	520	680	410	230	500	220	88	48	59	64	ND	56	71	64	170	46	ND	68	ND	420	370	150	76	37	28	28	ND	*
ESE-007	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	15	61	36	67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	*
ESE-007	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	79	320	170	360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	*
ESE-007	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	20	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
ESE-007	Chromium	22	190	1900	1900	87	490	510	240	63	37	24	11	11	110	150	230	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	12	ND	**110**	12	13	ND	ND	ND	ND	ND	ND	10	*100

* = ITW-2 VOC sample bottle broken
All results are in ug/l (micrograms per liter).
ND = Not detected above the MDL.
NS = Not sampled for indicated compound.
NA = Not analyzed
* = No ROD Cleanup Goal for compound. Tested as part of complete scan for tests 8021, 8270 or 8310.
Y = Target compounds were quantified from a secondary dilution due to analyte abundance in the sample.
P = Identification of target analytes using LC methodology is based on retention time. Discretion should be employed during data review and interpretation of results for this target compound.
** = Free-phase product was observed in the groundwater sample collected at ITW-14 during the September 2007 sampling event.
PAH = Included as Total Potentially Carcinogenic PAHs.
Bolded values meet or exceed indicated ROD cleanup goals.