RESULTS OF QUARTERLY GROUNDWATER SAMPLING
CONDUCTED March 28 & 29, 2013
FOR
FIRST 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

June 2013

WESTON WORK ORDER NO. 05791.013.001.0001

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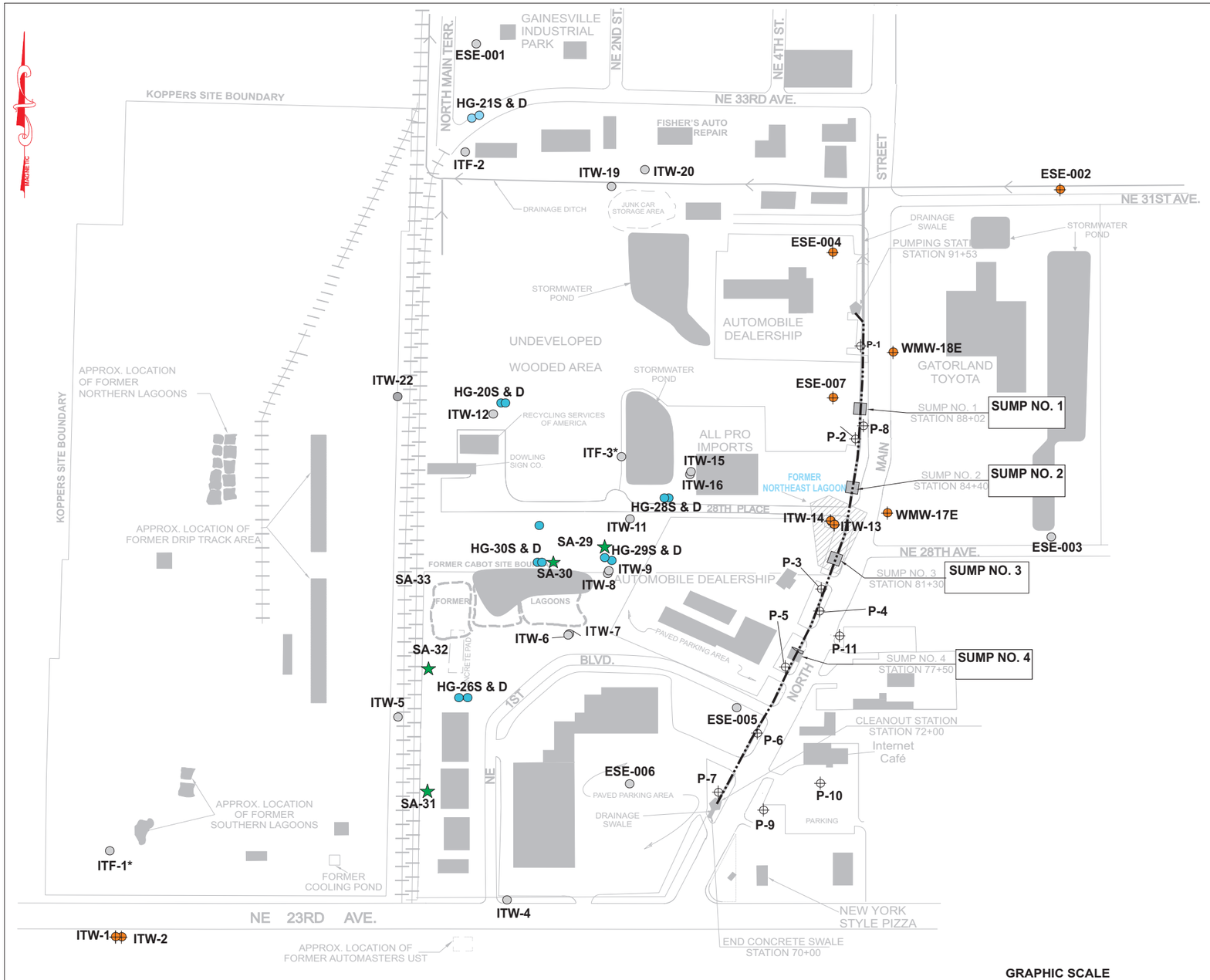
SECTION 1

BACKGROUND

The purpose of the first 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. Monitoring well ITW-2 was not sampled this quarter because this well only contained a few inches of water. This report summarizes the results of the first quarter 2013 groundwater sampling event.



NOTE:
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LEGEND

- **ITW-1** WELLS SAMPLED QUATERLY
- **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 ELEVATIONS (FT MSL) MEASURED ON December 18, 2012
- ARROWS INDICATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER INTERCEPTOR TRENCH (RED DASHED/DOTTED)
- GROUNDWATER INTERCEPTOR TRENCH PUMPING STATION
- SUMPS ACCESSING GROUNDWATER INTERCEPTOR TRENCH
- **SUMP NO. 1** GROUNDWATER INTERCEPTOR TRENCH CLEANOUT STATION
- **NOT MEASURED**
- **NM** NOT AVAILABLE
- **NA** WELL WAS DRY AT TIME OF MEASUREMENT
- **DRY** TOTAL DEPTH ELEVATION OF DRY WELL
- **TD** 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.

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: May 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 28, 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,
First Quarter 2013

Groundwater			
Aquifer	**Wells Sampled**	**Parameters**	**Analytical Method**
Surficial	ITW-1, 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,

First 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 March 29, 2013, from 41 Eastern Site monitoring wells, 6 piezometers, and the 4 sumps along the interceptor trench.

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 March 29, 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 4.79×10^{-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 5.64×10^{-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).

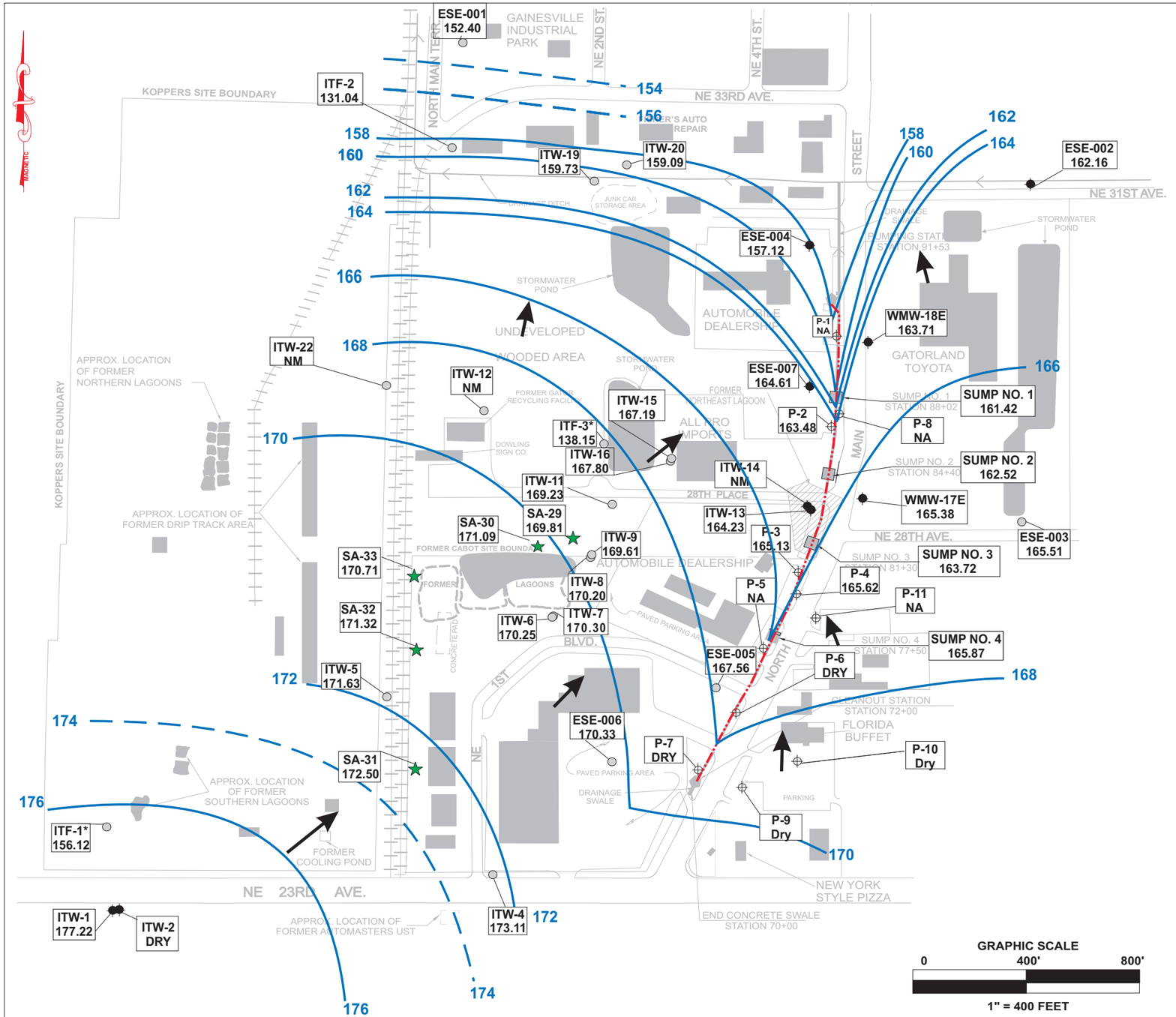
Additionally, the groundwater flow directions shown by the overall potentiometric surface indicate that the groundwater flow direction in the surficial aquifer is generally toward the interceptor trench. These data further substantiate that the Eastern Site interceptor trench is collecting groundwater 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 northeast. A downward hydraulic gradient continues to be present between the surficial and intermediate aquifers. On March 29, 2013, a head difference of approximately 31.08 feet was measured between surficial aquifer well ITW-11 and intermediate aquifer (Hawthorne Group) well ITF-3 (see Table 3-1).

Table 3-1
Groundwater Depths and Elevations
March 2013 Sampling Event[1]
Eastern Portion of Cabot Carbon/Koppers Superfund Site
Gainesville, Alachua County, Florida

Monitoring Well ID	Top of Casing/Sump Elevation Feet (MSL)[3]	March 29, 2013 Field Measured Water Depth Below Top of Casing (Feet)[2]	Groundwater Elevation Feet (MSL)	Depth of Screened Interval[4]
ITW-1	188.47	11.25	177.22	15.50 - 25.50
ITW-2	187.48	Dry	Dry	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	14.71	173.11	5.00 - 15.00
ITW-5	185.34	13.71	171.63	19.00 - 24.00
ITW-6	183.10	12.85	170.25	18.50 - 28.50
ITW-7	182.97	12.67	170.30	8.50 - 18.50
ITW-8	180.81	10.61	170.20	18.50 - 28.50
ITW-9	180.30	10.69	169.61	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	11.68	169.23	6.00 - 16.00
ITW-12	177.49	NM	Not Measured	6.50 - 26.50
ITW-13	174.14	9.91	164.23	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	8.71	167.19	20.00 - 30.00
ITW-16[7]	175.41	7.61	167.80	12.50 - 22.50
WMW-17E[5]	175.29	9.91	165.38	9.00 - 29.00
WMW-18E	172.92	9.21	163.71	9.00 - 29.00
ITW-19	169.74	10.01	159.73	11.00 - 31.00
ITW-20	169.77	10.68	159.09	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	9.65	152.40	6.50 - 21.20
ESE-002	169.08	6.92	162.16	8.00 - 23.00
ESE-003	171.86	6.35	165.51	9.00 - 29.00
ESE-004[5]	166.69	9.57	157.12	6.50 - 21.50
ESE-005	178.23	10.67	167.56	9.50 - 29.50
ESE-006	180.39	10.06	170.33	7.50 - 27.50
ESE-007	168.42	3.81	164.61	7.50 - 22.50
SA-29	179.32	9.51	169.81	26.0 - 31.0
SA-30	179.50	8.41	171.09	24.0 - 29.0
SA-31	184.45	11.95	172.50	21.0 - 26.0
SA-32	185.07	13.75	171.32	20.0 - 25.0
SA-33	185.66	14.95	170.71	20.0 - 25.0
ITF-1	186.63	30.51	156.12	69.00 - 79.00
ITF-2	168.95	37.91	131.04	71.00 - 81.00
ITF-3	176.61	38.46	138.15	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	6.29	163.48	5.18 - 10.18
P-3	171.05	5.92	165.13	5.00 - 10.00
P-4	172.26	6.64	165.62	5.00 - 10.00
P-5	173.20	Not Found	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	7.53	161.42	Sump
Sump No. 2	169.80	7.28	162.52	Sump
Sump No. 3	170.94	7.22	163.72	Sump
Sump No. 4	173.27	7.40	165.87	Sump

Notes: 1. Depths to water measured on March 29, 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 MARCH 29, 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
March 29, 2013
FIGURE 3-1

DRAWN:	DATE:	DES. ENG.:	DATE:	W.O. NO.: 05791.013.001.0001
CHECKED: M. Taylor	DATE: May 2013	APPROVED:	DATE:	FILE NAME: Marchr_2013_POTMAP.CDR

K:\05791\013\Mar_2013_Potmap.CDR, 2FT Contours

SECTION 4

ANALYTICAL RESULTS

The laboratory analytical data package for the monitor well samples collected at the Eastern Site in March 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 first quarter 2013 sampling results is provided below.

Arsenic was not detected above the laboratory reporting limits during this sampling event and chromium was only detected in WMW-18E (10 ug/L). This concentration is well below the ROD clean-up goal. Benzene concentrations exceeded the ROD cleanup goals of 1 µg/L in groundwater samples collected from ITW-13 (75 µg/L), ITW-14 (34 µg/L), and ESE-007 (3 µg/L). Naphthalene concentrations were above the ROD cleanup goal of 53 µg/L in ITW-13 (49 µg/L) and ITW-14 (210 µg/L). Acenaphthylene concentrations exceeded the ROD cleanup goal only in ITW-13 (300 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 exceeded the ROD cleanup goal of 0.003 µg/L in monitoring well ITW-14 (35 µg/L).

No continuous layer of tar was observed in ITW-14; however, 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
March 28-29, 2013

Well Designation/ Screened Interval (feet)	Parameter	Results (µg/L)	RL (µg/L)	ROD Cleanup Goal (µg/L)
ITW-13 / 23-33	Benzene	75	5	1
	Naphthalene	49	6.7	18
ITW-14 / 5-15	Benzene	34	10.0	1
	Acenaphthylene	300	18	
	Naphthalene	210	18	18
	Total Potentially Carcinogenic PAHs	35	1.8	0.003
ESE-007 / 7.5-22.5	Benzene	3.0	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 blanks. The duplicate sample was collected at well WMW-17E. A summary of detected compounds in the regular sample and duplicate is provided in Table 4-2. Comparison of the results from WMW-17E and the duplicate show favorable agreement between the sample and duplicate. Results of the equipment blank and travel blanks analyses indicated no detections in any of these samples.

Table 4-2

Comparision of WMW-17E and Duplicate Sample
Eastern Portion of Cabot Carbon/Koppers Superfund Site
March 28, 2013

Parameter	WMW-17E Results (ug/L)	Duplicate Results (ug/L)	RL (ug/L)
Acetone	<25	<25	25
Benzene	<1.0	<1.0	1.0
2 Butanone (MEK)	<10	<10	10.0
Toluene	<1.0	<1.0	1.0
Ethylbenzene	<1.0	<1.0	1.0
Total Xylenes	<2.0	<2.0	2.0
Acenaphthylene	<1.4	<1.4	1.4
Naphthalene	2.5	2.2	1.4
2,4-dimethyphenol	<11	<11	11
Phenol	<11	<11	11

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

SECTION 5

FINDINGS

Based on the groundwater analytical data collected at the Eastern Site during the first 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 May 2013. The wells scheduled to be sampled in the second quarter 2013 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

Appendix A

Well Purge Data
Eastern Portion of Cabot Carbon/Koppers Superfund Site
March 2013

WELL ID	Purge/Sample Dates	Time	VOLUME (GAL)	TEMPERATURE (^{0}C)	pH	SPECIFIC CONDUCTANCE (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	ODOR YES/NO	PURGE DRY YES/NO
ITW-1	3/28/2013	0835	0.1	19.60	5.20	128	0.99	23.7		
ITW-1	3/28/2013	0845	0.9	20.00	4.85	109	0.89	0.0		
ITW-1	3/28/2013	0850	1.3	20.05	4.81	110	0.50	0.0		
ITW-1	3/28/2013	0855	1.5	20.32	4.75	115	0.41	0.0		
ITW-1	Sample:3/28/2013	**0900**							NO	NO
ITW-2										
ITW-2	Well Dry Not Sampled									
ITW-2										
ITW-2									NA	NA
ESE-002	3/28/2013	1210	0.8	21.10	5.81	66	0.39	0.0		
ESE-002	3/28/2013	1215	1.2	21.35	5.85	66	0.31	0.0		
ESE-002	3/28/2013	1220	1.6	21.27	5.89	67	0.28	0.0		
ESE-002	Sample: 3/28/2013	**1230**							NO	NO
ESE-004	3/28/2013	1425	0.4	22.02	5.40	275	0.93	0.0		
ESE-004	3/28/2013	1430	0.8	22.12	5.33	265	0.44	0.0		
ESE-004	3/28/2013	1435	1.2	22.30	5.32	258	0.28	0.0		
ESE-004	Sample 3/28/2013	**1445**							NO	NO
ESE-007	3/28/2013	1510	0.30	18.48	5.31	734	0.41	2.4		
ESE-007	3/28/2013	1515	0.6	18.35	5.32	753	0.23	0..0		
ESE-007	3/28/2013	1520	0.9	18.27	5.29	766	0.19	2.6		
ESE-007	Sample;:3/28/2013	**1615**							YES	NO
ITW-13	3/28/2013	1555	0.3	23.33	5.07	189	0.66	0.0		
ITW-13	3/28/2013	1600	0.6	23.43	5.02	163	0.37	0.0		
ITW-13	3/28/2013	1605	0.9	23.58	4.97	158	0.29	0.0		
ITW-13	3/28/2013	1610	1.2	23.72	4.96	157	0.25	0.0		
ITW-13	Sample;:3/28/2013	**1130**							YES	NO
ITW-14	Sample;:12/19/2012	**1215**							YES/TAR	NO
WMW-17E	3/28/2013	1000	0.4	22.29	5.01	125	0.71	0.0		
WMW-17E	3/28/2013	1005	0.8	22.44	4.99	124	0.48	0.0		
WMW-17E	3/28/2013	1010	1.2	22.58	4.97	124	0.37	0.0		
WMW-17E	3/28/2013	1015	1.6	22.52	4.95	123	0.32	0.0		
WMW-17E	Sample; 3/28/2013	**1520**							Yes (Sulfer)	NO
WMW-18E	3/28/2013	1110	0.4	22.14	4.44	223	0.41	37.3		
WMW-18E	3/28/2013	1115	0.8	21.90	4.41	221	0.27	21.7		
WMW-18E	3/28/2013	1120	1.2	21.75	4.42	218	0.22	10.1		
WMW-18E	Sample: 3/28/2013	**1615**							Yes (Sulfer)	NO

Notes: °C = degrees Celsius; µS/cm = microSeimens per centimeter; mg/L = milligrams per liter, parts per million; NTU = Nephlometric Turbidity Units

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: 680-88832-1
Client Project/Site: Cabot 1st Quarter - 2013

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

Attn: Mr. Mark Taylor

Authorized for release by:
4/18/2013 5:43:22 PM

Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com

Job ID: 680-88832-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Weston Solutions, Inc.
Project: Cabot 1st Quarter - 2013
Report Number: 680-88832-1

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 some cases, due to interference or analytes present at high concentrations, samples were 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 3/29/2013 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.2º C, 0.2º C, 0.2º C, 0.4º C, 0.4º C, 0.4º C and 0.6º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ITW-1 (680-88832-1), WMW-17E (680-88832-2), WMW-18E (680-88832-3), ESE-002 (680-88832-4), ESE-004 (680-88832-5), ESE-007 (680-88832-6), ITW-13 (680-88832-7), ITW-14 (680-88832-8), Duplicate (680-88832-9), Trip Blank (Lot # 031813) (680-88832-10), Trip Blank (Lot # 031813) (680-88832-11) and Equipment Blank (680-88832-12) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/04/2013, 04/05/2013 and 04/08/2013.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 271921 exceeded control limits for the following analytes: 1,2-dichloroethane.

Method(s) 8260B: The continuing calibration verification (CCV) for acetone, associated with batch 272094 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 272094 exceeded control limits for the following analytes: 1,1-dichloroethane.

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 272094 exceeded control limits for the following analytes: acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 272295 exceeded control limits for the following analytes: bromomethane.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 272295 exceeded control limits for the following analytes: acetone and 2-butanone. The laboratory control sample (LCS) met all control limit criteria. The LCSD was high biased and the associated samples were nondetect for 2-butanone; the data have been reported.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ITW-1 (680-88832-1), WMW-17E (680-88832-2), WMW-18E (680-88832-3), ESE-002 (680-88832-4), ESE-004 (680-88832-5), ESE-007 (680-88832-6), ITW-13 (680-88832-7), ITW-14 (680-88832-8), Duplicate (680-88832-9) and Equipment Blank (680-88832-12) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 03/30/2013 and analyzed on 04/04/2013, 04/05/2013 and 04/08/2013.

Job ID: 680-88832-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Method(s) 8270C: Internal standard (ISTD) response for the following sample(s) was outside control limits: (680-88832-1 MSD). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8270C: Internal standard response for the following sample(s) exceeded the lower control limit: Equipment Blank (680-88832-12). As such, the sample results may be biased high. The internal standard that is outside control limits is not used to quantify any target analytes.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix and abundance of target analytes: ITW-13 (680-88832-7). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ITW-14 (680-88832-8). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

POLYNUCLEAR AROMATIC HYDROCARBONS (HPLC)

Samples ITW-1 (680-88832-1), WMW-17E (680-88832-2), WMW-18E (680-88832-3), ESE-002 (680-88832-4), ESE-004 (680-88832-5), ESE-007 (680-88832-6), ITW-13 (680-88832-7), ITW-14 (680-88832-8), Duplicate (680-88832-9) and Equipment Blank (680-88832-12) were analyzed for Polynuclear Aromatic Hydrocarbons (HPLC) in accordance with EPA SW-846 Method 8310. The samples were prepared on 04/02/2013 and analyzed on 04/05/2013 and 04/08/2013.

Method(s) 8310: The continuing calibration verification (CCV) for analytical batch 181915 exceeded control criteria for Benzoapyrene on the UV detector and was within control limits on the fluorescence detector. The data have been qualified and reported. Duplicate (680-88832-9), Equipment Blank (680-88832-12), ITW-13 (680-88832-7), ITW-14 (680-88832-8)

Method(s) 8310: Surrogate recovery for the following samples were outside control limits: ESE-007 (680-88832-6), ITW-14 (680-88832-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

METALS (ICP)

Samples ITW-1 (680-88832-1), WMW-17E (680-88832-2), WMW-18E (680-88832-3), ESE-002 (680-88832-4), ESE-004 (680-88832-5), ESE-007 (680-88832-6), ITW-13 (680-88832-7), ITW-14 (680-88832-8), Duplicate (680-88832-9) and Equipment Blank (680-88832-12) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 04/04/2013 and 04/05/2013 and analyzed on 04/04/2013, 04/06/2013 and 04/08/2013.

Method(s) 6010B, 6010C: Due to the high concentration of iron and magnesium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-272031 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010B, 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-272031 were outside control limits for manganese. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88832-1	ITW-1	Water	03/28/13 09:00	03/29/13 09:45
680-88832-2	WMW-17E	Water	03/28/13 10:40	03/29/13 09:45
680-88832-3	WMW-18E	Water	03/28/13 11:30	03/29/13 09:45
680-88832-4	ESE-002	Water	03/28/13 11:30	03/29/13 09:45
680-88832-5	ESE-004	Water	03/28/13 14:45	03/29/13 09:45
680-88832-6	ESE-007	Water	03/28/13 15:30	03/29/13 09:45
680-88832-7	ITW-13	Water	03/28/13 16:15	03/29/13 09:45
680-88832-8	ITW-14	Water	03/28/13 17:00	03/29/13 09:45
680-88832-9	Duplicate	Water	03/28/13 10:40	03/29/13 09:45
680-88832-10	Trip Blank (Lot # 031813)	Water	03/28/13 00:00	03/29/13 09:45
680-88832-11	Trip Blank (Lot # 031813)	Water	03/28/13 00:00	03/29/13 09:45
680-88832-12	Equipment Blank	Water	03/28/13 18:00	03/29/13 09:45

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8310	PAHs (HPLC)	SW846	TAL CHI
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 CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	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.

HPLC/IC

Qualifier	Qualifier Description
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)
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)
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 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ITW-1
Date Collected: 03/28/13 09:00
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-1
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			04/04/13 18:01	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 18:01	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 18:01	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 18:01	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 18:01	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 18:01	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 18:01	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 18:01	1
2-Hexanone	<10		10		ug/L			04/04/13 18:01	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 18:01	1
Acetone	<25		25		ug/L			04/04/13 18:01	1
Benzene	<1.0		1.0		ug/L			04/04/13 18:01	1
Bromoform	<1.0		1.0		ug/L			04/04/13 18:01	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 18:01	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 18:01	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 18:01	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 18:01	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 18:01	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 18:01	1
Chloroform	<1.0		1.0		ug/L			04/04/13 18:01	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 18:01	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 18:01	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 18:01	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 18:01	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 18:01	1
Styrene	<1.0		1.0		ug/L			04/04/13 18:01	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 18:01	1
Toluene	<1.0		1.0		ug/L			04/04/13 18:01	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 18:01	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 18:01	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 18:01	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 18:01	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/04/13 18:01*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/04/13 18:01*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/04/13 18:01*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<9.9		9.9		ug/L		03/30/13 15:31	04/04/13 17:59	1
Pentachlorophenol	<49		49		ug/L		03/30/13 15:31	04/04/13 17:59	1
Phenol	<9.9		9.9		ug/L		03/30/13 15:31	04/04/13 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*31 - 141*	*03/30/13 15:31*	*04/04/13 17:59*	*1*
2-Fluorophenol	*70*		*25 - 130*	*03/30/13 15:31*	*04/04/13 17:59*	*1*
Phenol-d5	*61*		*25 - 130*	*03/30/13 15:31*	*04/04/13 17:59*	*1*

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ITW-1

Lab Sample ID: 680-88832-1

Date Collected: 03/28/13 09:00

Matrix: Water

Date Received: 03/29/13 09:45

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.7		2.7		ug/L		04/02/13 14:01	04/05/13 11:42	1
Acenaphthylene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 11:42	1
Anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Benzo[a]anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Benzo[a]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Benzo[b]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Benzo[g,h,i]perylene	<0.22		0.22		ug/L		04/02/13 14:01	04/05/13 11:42	1
Benzo[k]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Chrysene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Dibenz(a,h)anthracene	<0.33		0.33		ug/L		04/02/13 14:01	04/05/13 11:42	1
Fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Fluorene	<0.27		0.27		ug/L		04/02/13 14:01	04/05/13 11:42	1
Indeno[1,2,3-cd]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 11:42	1
Naphthalene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 11:42	1
Phenanthrene	<0.11		0.11		ug/L		04/02/13 14:01	04/05/13 11:42	1
Pyrene	<0.27		0.27		ug/L		04/02/13 14:01	04/05/13 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*81*		*31 - 133*	*04/02/13 14:01*	*04/05/13 11:42*	*1*
Decafluorobiphenyl	*68*		*32 - 110*	*04/02/13 14:01*	*04/05/13 11:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:16	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 21:16	1

Client Sample ID: WMW-17E

Lab Sample ID: 680-88832-2

Date Collected: 03/28/13 10:40

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 18:22	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 18:22	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 18:22	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 18:22	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 18:22	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 18:22	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 18:22	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 18:22	1
2-Hexanone	<10		10		ug/L			04/04/13 18:22	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 18:22	1
Acetone	<25		25		ug/L			04/04/13 18:22	1
Benzene	<1.0		1.0		ug/L			04/04/13 18:22	1
Bromoform	<1.0		1.0		ug/L			04/04/13 18:22	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 18:22	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 18:22	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 18:22	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 18:22	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 18:22	1

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: WMW-17E
Date Collected: 03/28/13 10:40
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<1.0		1.0		ug/L			04/04/13 18:22	1
Chloroform	<1.0		1.0		ug/L			04/04/13 18:22	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 18:22	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 18:22	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 18:22	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 18:22	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 18:22	1
Styrene	<1.0		1.0		ug/L			04/04/13 18:22	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 18:22	1
Toluene	<1.0		1.0		ug/L			04/04/13 18:22	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 18:22	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 18:22	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 18:22	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 18:22	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/04/13 18:22*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/04/13 18:22*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/04/13 18:22*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<11		11		ug/L		03/30/13 15:31	04/04/13 18:28	1
Pentachlorophenol	<55		55		ug/L		03/30/13 15:31	04/04/13 18:28	1
Phenol	<11		11		ug/L		03/30/13 15:31	04/04/13 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*31 - 141*	*03/30/13 15:31*	*04/04/13 18:28*	*1*
2-Fluorophenol	*67*		*25 - 130*	*03/30/13 15:31*	*04/04/13 18:28*	*1*
Phenol-d5	*68*		*25 - 130*	*03/30/13 15:31*	*04/04/13 18:28*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.6		2.6		ug/L		04/02/13 14:01	04/05/13 12:23	1
Acenaphthylene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 12:23	1
Anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Benzo[a]anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Benzo[a]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Benzo[b]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Benzo[g,h,i]perylene	<0.21		0.21		ug/L		04/02/13 14:01	04/05/13 12:23	1
Benzo[k]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Chrysene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Dibenz(a,h)anthracene	<0.31		0.31		ug/L		04/02/13 14:01	04/05/13 12:23	1
Fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Fluorene	<0.26		0.26		ug/L		04/02/13 14:01	04/05/13 12:23	1
Indeno[1,2,3-cd]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 12:23	1
Naphthalene	**2.5**		1.4		ug/L		04/02/13 14:01	04/05/13 12:23	1
Phenanthrene	<0.10		0.10		ug/L		04/02/13 14:01	04/05/13 12:23	1
Pyrene	<0.26		0.26		ug/L		04/02/13 14:01	04/05/13 12:23	1

Client Sample ID: WMW-17E

Lab Sample ID: 680-88832-2

Date Collected: 03/28/13 10:40

Matrix: Water

Date Received: 03/29/13 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo[e]pyrene	*68*		*31 - 133*	*04/02/13 14:01*	*04/05/13 12:23*	*1*
Decafluorobiphenyl	*63*		*32 - 110*	*04/02/13 14:01*	*04/05/13 12:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:23	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 21:23	1

Client Sample ID: WMW-18E

Lab Sample ID: 680-88832-3

Date Collected: 03/28/13 11:30

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 19:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 19:06	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 19:06	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 19:06	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 19:06	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 19:06	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 19:06	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 19:06	1
2-Hexanone	<10		10		ug/L			04/04/13 19:06	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 19:06	1
Acetone	<25		25		ug/L			04/04/13 19:06	1
Benzene	<1.0		1.0		ug/L			04/04/13 19:06	1
Bromoform	<1.0		1.0		ug/L			04/04/13 19:06	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 19:06	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 19:06	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 19:06	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 19:06	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 19:06	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 19:06	1
Chloroform	<1.0		1.0		ug/L			04/04/13 19:06	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 19:06	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 19:06	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 19:06	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 19:06	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 19:06	1
Styrene	<1.0		1.0		ug/L			04/04/13 19:06	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 19:06	1
Toluene	<1.0		1.0		ug/L			04/04/13 19:06	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 19:06	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 19:06	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 19:06	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 19:06	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*101*		*70 - 130*		*04/04/13 19:06*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*04/04/13 19:06*	*1*

Client Sample ID: WMW-18E

Date Collected: 03/28/13 11:30
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/04/13 19:06*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<11		11		ug/L		03/30/13 15:31	04/04/13 18:56	1
Pentachlorophenol	<56		56		ug/L		03/30/13 15:31	04/04/13 18:56	1
Phenol	<11		11		ug/L		03/30/13 15:31	04/04/13 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*31 - 141*	*03/30/13 15:31*	*04/04/13 18:56*	*1*
2-Fluorophenol	*60*		*25 - 130*	*03/30/13 15:31*	*04/04/13 18:56*	*1*
Phenol-d5	*62*		*25 - 130*	*03/30/13 15:31*	*04/04/13 18:56*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.8		2.8		ug/L		04/02/13 14:01	04/05/13 13:04	1
Acenaphthylene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 13:04	1
Anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Benzo[a]anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Benzo[a]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Benzo[b]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Benzo[g,h,i]perylene	<0.22		0.22		ug/L		04/02/13 14:01	04/05/13 13:04	1
Benzo[k]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Chrysene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Dibenz(a,h)anthracene	<0.33		0.33		ug/L		04/02/13 14:01	04/05/13 13:04	1
Fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Fluorene	<0.28		0.28		ug/L		04/02/13 14:01	04/05/13 13:04	1
Indeno[1,2,3-cd]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 13:04	1
Naphthalene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 13:04	1
Phenanthrene	<0.11		0.11		ug/L		04/02/13 14:01	04/05/13 13:04	1
Pyrene	<0.28		0.28		ug/L		04/02/13 14:01	04/05/13 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*41*		*31 - 133*	*04/02/13 14:01*	*04/05/13 13:04*	*1*
Decafluorobiphenyl	*49*		*32 - 110*	*04/02/13 14:01*	*04/05/13 13:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:29	1
Chromium	**10**		10		ug/L		04/04/13 08:33	04/04/13 21:29	1

Client Sample ID: ESE-002

Date Collected: 03/28/13 11:30
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-4

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			04/04/13 18:44	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 18:44	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 18:44	1

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ESE-002
Date Collected: 03/28/13 11:30
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 18:44	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 18:44	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 18:44	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 18:44	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 18:44	1
2-Hexanone	<10		10		ug/L			04/04/13 18:44	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 18:44	1
Acetone	<25		25		ug/L			04/04/13 18:44	1
Benzene	<1.0		1.0		ug/L			04/04/13 18:44	1
Bromoform	<1.0		1.0		ug/L			04/04/13 18:44	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 18:44	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 18:44	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 18:44	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 18:44	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 18:44	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 18:44	1
Chloroform	<1.0		1.0		ug/L			04/04/13 18:44	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 18:44	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 18:44	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 18:44	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 18:44	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 18:44	1
Styrene	<1.0		1.0		ug/L			04/04/13 18:44	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 18:44	1
Toluene	<1.0		1.0		ug/L			04/04/13 18:44	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 18:44	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 18:44	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 18:44	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 18:44	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/04/13 18:44*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*04/04/13 18:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/04/13 18:44*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<11		11		ug/L		03/30/13 15:31	04/04/13 19:24	1
Pentachlorophenol	<53		53		ug/L		03/30/13 15:31	04/04/13 19:24	1
Phenol	<11		11		ug/L		03/30/13 15:31	04/04/13 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*31 - 141*	*03/30/13 15:31*	*04/04/13 19:24*	*1*
2-Fluorophenol	*75*		*25 - 130*	*03/30/13 15:31*	*04/04/13 19:24*	*1*
Phenol-d5	*76*		*25 - 130*	*03/30/13 15:31*	*04/04/13 19:24*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.6		2.6		ug/L		04/02/13 14:01	04/05/13 13:46	1

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ESE-002

Lab Sample ID: 680-88832-4

Date Collected: 03/28/13 11:30

Matrix: Water

Date Received: 03/29/13 09:45

Method: 8310 - PAHs (HPLC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<1.3		1.3		ug/L		04/02/13 14:01	04/05/13 13:46	1
Anthracene	**0.83**		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Benzo[a]anthracene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Benzo[a]pyrene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Benzo[b]fluoranthene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Benzo[g,h,i]perylene	<0.21		0.21		ug/L		04/02/13 14:01	04/05/13 13:46	1
Benzo[k]fluoranthene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Chrysene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Dibenz(a,h)anthracene	<0.31		0.31		ug/L		04/02/13 14:01	04/05/13 13:46	1
Fluorene	**3.9**		0.26		ug/L		04/02/13 14:01	04/05/13 13:46	1
Indeno[1,2,3-cd]pyrene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 13:46	1
Naphthalene	<1.3		1.3		ug/L		04/02/13 14:01	04/05/13 13:46	1
Pyrene	**2.7**		0.26		ug/L		04/02/13 14:01	04/05/13 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*75*		*31 - 133*	*04/02/13 14:01*	*04/05/13 13:46*	*1*
Decafluorobiphenyl	*64*		*32 - 110*	*04/02/13 14:01*	*04/05/13 13:46*	*1*

Method: 8310 - PAHs (HPLC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**3.3**		0.67		ug/L		04/02/13 14:01	04/08/13 15:45	5
Phenanthrene	**8.6**		0.52		ug/L		04/02/13 14:01	04/08/13 15:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*71*		*31 - 133*	*04/02/13 14:01*	*04/08/13 15:45*	*5*
Decafluorobiphenyl	*63*		*32 - 110*	*04/02/13 14:01*	*04/08/13 15:45*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:36	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 21:36	1

Client Sample ID: ESE-004

Lab Sample ID: 680-88832-5

Date Collected: 03/28/13 14:45

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 19:49	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 19:49	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 19:49	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 19:49	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 19:49	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 19:49	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 19:49	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 19:49	1
2-Hexanone	<10		10		ug/L			04/04/13 19:49	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 19:49	1
Acetone	<25		25		ug/L			04/04/13 19:49	1
Benzene	<1.0		1.0		ug/L			04/04/13 19:49	1
Bromoform	<1.0		1.0		ug/L			04/04/13 19:49	1

Client Sample ID: ESE-004
Date Collected: 03/28/13 14:45
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<1.0		1.0		ug/L			04/04/13 19:49	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 19:49	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 19:49	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 19:49	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 19:49	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 19:49	1
Chloroform	<1.0		1.0		ug/L			04/04/13 19:49	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 19:49	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 19:49	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 19:49	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 19:49	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 19:49	1
Styrene	<1.0		1.0		ug/L			04/04/13 19:49	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 19:49	1
Toluene	<1.0		1.0		ug/L			04/04/13 19:49	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 19:49	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 19:49	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 19:49	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 19:49	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*04/04/13 19:49*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/04/13 19:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/04/13 19:49*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<11		11		ug/L		03/30/13 15:31	04/04/13 19:52	1
Pentachlorophenol	<56		56		ug/L		03/30/13 15:31	04/04/13 19:52	1
Phenol	<11		11		ug/L		03/30/13 15:31	04/04/13 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*31 - 141*	*03/30/13 15:31*	*04/04/13 19:52*	*1*
2-Fluorophenol	*67*		*25 - 130*	*03/30/13 15:31*	*04/04/13 19:52*	*1*
Phenol-d5	*65*		*25 - 130*	*03/30/13 15:31*	*04/04/13 19:52*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.7		2.7		ug/L		04/02/13 14:01	04/05/13 14:27	1
Acenaphthylene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 14:27	1
Anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Benzo[a]anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Benzo[a]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Benzo[b]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Benzo[g,h,i]perylene	<0.22		0.22		ug/L		04/02/13 14:01	04/05/13 14:27	1
Benzo[k]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Chrysene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Dibenz(a,h)anthracene	<0.33		0.33		ug/L		04/02/13 14:01	04/05/13 14:27	1
Fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1

Client Sample ID: ESE-004

Lab Sample ID: 680-88832-5

Date Collected: 03/28/13 14:45

Matrix: Water

Date Received: 03/29/13 09:45

Method: 8310 - PAHs (HPLC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.27		0.27		ug/L		04/02/13 14:01	04/05/13 14:27	1
Indeno[1,2,3-cd]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/05/13 14:27	1
Naphthalene	<1.4		1.4		ug/L		04/02/13 14:01	04/05/13 14:27	1
Phenanthrene	<0.11		0.11		ug/L		04/02/13 14:01	04/05/13 14:27	1
Pyrene	<0.27		0.27		ug/L		04/02/13 14:01	04/05/13 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*47*		*31 - 133*	*04/02/13 14:01*	*04/05/13 14:27*	*1*
Decafluorobiphenyl	*54*		*32 - 110*	*04/02/13 14:01*	*04/05/13 14:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:42	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 21:42	1

Client Sample ID: ESE-007

Lab Sample ID: 680-88832-6

Date Collected: 03/28/13 15:30

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 19:28	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 19:28	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 19:28	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 19:28	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 19:28	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 19:28	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 19:28	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 19:28	1
2-Hexanone	<10		10		ug/L			04/04/13 19:28	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 19:28	1
Acetone	<25		25		ug/L			04/04/13 19:28	1
Benzene	**3.0**		1.0		ug/L			04/04/13 19:28	1
Bromoform	<1.0		1.0		ug/L			04/04/13 19:28	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 19:28	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 19:28	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 19:28	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 19:28	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 19:28	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 19:28	1
Chloroform	<1.0		1.0		ug/L			04/04/13 19:28	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 19:28	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 19:28	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 19:28	1
Ethylbenzene	**7.0**		1.0		ug/L			04/04/13 19:28	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 19:28	1
Styrene	<1.0		1.0		ug/L			04/04/13 19:28	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 19:28	1
Toluene	<1.0		1.0		ug/L			04/04/13 19:28	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 19:28	1

Client Sample ID: ESE-007
Date Collected: 03/28/13 15:30
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 19:28	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 19:28	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 19:28	1
Xylenes, Total	**7.6**		2.0		ug/L			04/04/13 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/04/13 19:28*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/04/13 19:28*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/04/13 19:28*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**37**		12		ug/L		03/30/13 15:31	04/05/13 15:16	1
Pentachlorophenol	<59		59		ug/L		03/30/13 15:31	04/05/13 15:16	1
Phenol	<12		12		ug/L		03/30/13 15:31	04/05/13 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*31 - 141*	*03/30/13 15:31*	*04/05/13 15:16*	*1*
2-Fluorophenol	*49*		*25 - 130*	*03/30/13 15:31*	*04/05/13 15:16*	*1*
Phenol-d5	*51*		*25 - 130*	*03/30/13 15:31*	*04/05/13 15:16*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<3.0		3.0		ug/L		04/02/13 14:01	04/05/13 15:08	1
Acenaphthylene	<1.6		1.6		ug/L		04/02/13 14:01	04/05/13 15:08	1
Anthracene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Benzo[a]anthracene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Benzo[a]pyrene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Benzo[b]fluoranthene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Benzo[g,h,i]perylene	<0.24		0.24		ug/L		04/02/13 14:01	04/05/13 15:08	1
Benzo[k]fluoranthene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Chrysene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Dibenz(a,h)anthracene	<0.36		0.36		ug/L		04/02/13 14:01	04/05/13 15:08	1
Fluoranthene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Fluorene	<0.30		0.30		ug/L		04/02/13 14:01	04/05/13 15:08	1
Indeno[1,2,3-cd]pyrene	<0.16		0.16		ug/L		04/02/13 14:01	04/05/13 15:08	1
Naphthalene	<1.6		1.6		ug/L		04/02/13 14:01	04/05/13 15:08	1
Phenanthrene	<0.12		0.12		ug/L		04/02/13 14:01	04/05/13 15:08	1
Pyrene	<0.30		0.30		ug/L		04/02/13 14:01	04/05/13 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*23*	*X*	*31 - 133*	*04/02/13 14:01*	*04/05/13 15:08*	*1*
Decafluorobiphenyl	*37*		*32 - 110*	*04/02/13 14:01*	*04/05/13 15:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:49	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 21:49	1

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ITW-13
Date Collected: 03/28/13 16:15
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			04/08/13 18:38	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			04/08/13 18:38	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			04/08/13 18:38	5
1,1-Dichloroethane	<5.0		5.0		ug/L			04/08/13 18:38	5
1,1-Dichloroethene	<5.0		5.0		ug/L			04/08/13 18:38	5
1,2-Dichloroethane	<5.0		5.0		ug/L			04/08/13 18:38	5
1,2-Dichloropropane	<5.0		5.0		ug/L			04/08/13 18:38	5
2-Butanone (MEK)	<50	*	50		ug/L			04/08/13 18:38	5
2-Hexanone	<50		50		ug/L			04/08/13 18:38	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			04/08/13 18:38	5
Acetone	**260**	*	130		ug/L			04/08/13 18:38	5
Benzene	**75**		5.0		ug/L			04/08/13 18:38	5
Bromoform	<5.0		5.0		ug/L			04/08/13 18:38	5
Bromomethane	<5.0	*	5.0		ug/L			04/08/13 18:38	5
Carbon disulfide	<10		10		ug/L			04/08/13 18:38	5
Carbon tetrachloride	<5.0		5.0		ug/L			04/08/13 18:38	5
Chlorobenzene	<5.0		5.0		ug/L			04/08/13 18:38	5
Chlorodibromomethane	<5.0		5.0		ug/L			04/08/13 18:38	5
Chloroethane	<5.0		5.0		ug/L			04/08/13 18:38	5
Chloroform	<5.0		5.0		ug/L			04/08/13 18:38	5
Chloromethane	<5.0		5.0		ug/L			04/08/13 18:38	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			04/08/13 18:38	5
Dichlorobromomethane	<5.0		5.0		ug/L			04/08/13 18:38	5
Ethylbenzene	**300**		5.0		ug/L			04/08/13 18:38	5
Methylene Chloride	<25		25		ug/L			04/08/13 18:38	5
Styrene	<5.0		5.0		ug/L			04/08/13 18:38	5
Tetrachloroethene	<5.0		5.0		ug/L			04/08/13 18:38	5
Toluene	**440**		5.0		ug/L			04/08/13 18:38	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			04/08/13 18:38	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			04/08/13 18:38	5
Trichloroethene	<5.0		5.0		ug/L			04/08/13 18:38	5
Vinyl chloride	<5.0		5.0		ug/L			04/08/13 18:38	5
Xylenes, Total	**170**		10		ug/L			04/08/13 18:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/08/13 18:38*	*5*
Dibromofluoromethane	*99*		*70 - 130*		*04/08/13 18:38*	*5*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/08/13 18:38*	*5*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**2000**		230		ug/L		03/30/13 15:31	04/05/13 16:42	20
Pentachlorophenol	<1100		1100		ug/L		03/30/13 15:31	04/05/13 16:42	20
Phenol	**1300**		230		ug/L		03/30/13 15:31	04/05/13 16:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D*	*31 - 141*	*03/30/13 15:31*	*04/05/13 16:42*	*20*
2-Fluorophenol	*0*	*D*	*25 - 130*	*03/30/13 15:31*	*04/05/13 16:42*	*20*
Phenol-d5	*0*	*D*	*25 - 130*	*03/30/13 15:31*	*04/05/13 16:42*	*20*

Client Sample ID: ITW-13

Date Collected: 03/28/13 16:15
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-7
Matrix: Water

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<13		13		ug/L		04/02/13 14:01	04/08/13 11:38	5
Acenaphthylene	**24**		6.7		ug/L		04/02/13 14:01	04/08/13 11:38	5
Anthracene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Benzo[a]anthracene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Benzo[a]pyrene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Benzo[b]fluoranthene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Benzo[g,h,i]perylene	<1.0		1.0		ug/L		04/02/13 14:01	04/08/13 11:38	5
Benzo[k]fluoranthene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Chrysene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Dibenz(a,h)anthracene	<1.6		1.6		ug/L		04/02/13 14:01	04/08/13 11:38	5
Fluoranthene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Fluorene	<1.3		1.3		ug/L		04/02/13 14:01	04/08/13 11:38	5
Indeno[1,2,3-cd]pyrene	<0.67		0.67		ug/L		04/02/13 14:01	04/08/13 11:38	5
Naphthalene	**49**		6.7		ug/L		04/02/13 14:01	04/08/13 11:38	5
Phenanthrene	<0.52		0.52		ug/L		04/02/13 14:01	04/08/13 11:38	5
Pyrene	<1.3		1.3		ug/L		04/02/13 14:01	04/08/13 11:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*40*		*31 - 133*	*04/02/13 14:01*	*04/08/13 11:38*	*5*
Decafluorobiphenyl	*56*		*32 - 110*	*04/02/13 14:01*	*04/08/13 11:38*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 21:55	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 21:55	1

Client Sample ID: ITW-14

Date Collected: 03/28/13 17:00
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		10		ug/L			04/05/13 13:58	10
1,1,2,2-Tetrachloroethane	<10		10		ug/L			04/05/13 13:58	10
1,1,2-Trichloroethane	<10		10		ug/L			04/05/13 13:58	10
1,1-Dichloroethane	<10	*	10		ug/L			04/05/13 13:58	10
1,1-Dichloroethene	<10		10		ug/L			04/05/13 13:58	10
1,2-Dichloroethane	<10		10		ug/L			04/05/13 13:58	10
1,2-Dichloropropane	<10		10		ug/L			04/05/13 13:58	10
2-Butanone (MEK)	<100		100		ug/L			04/05/13 13:58	10
2-Hexanone	<100		100		ug/L			04/05/13 13:58	10
4-Methyl-2-pentanone (MIBK)	<100		100		ug/L			04/05/13 13:58	10
Acetone	<250	*	250		ug/L			04/05/13 13:58	10
Benzene	**34**		10		ug/L			04/05/13 13:58	10
Bromoform	<10		10		ug/L			04/05/13 13:58	10
Bromomethane	<10		10		ug/L			04/05/13 13:58	10
Carbon disulfide	<20		20		ug/L			04/05/13 13:58	10
Carbon tetrachloride	<10		10		ug/L			04/05/13 13:58	10
Chlorobenzene	<10		10		ug/L			04/05/13 13:58	10
Chlorodibromomethane	<10		10		ug/L			04/05/13 13:58	10

Client Sample ID: ITW-14
Date Collected: 03/28/13 17:00
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<10		10		ug/L			04/05/13 13:58	10
Chloroform	<10		10		ug/L			04/05/13 13:58	10
Chloromethane	<10		10		ug/L			04/05/13 13:58	10
cis-1,3-Dichloropropene	<10		10		ug/L			04/05/13 13:58	10
Dichlorobromomethane	<10		10		ug/L			04/05/13 13:58	10
Ethylbenzene	**150**		10		ug/L			04/05/13 13:58	10
Methylene Chloride	<50		50		ug/L			04/05/13 13:58	10
Styrene	**24**		10		ug/L			04/05/13 13:58	10
Tetrachloroethene	<10		10		ug/L			04/05/13 13:58	10
Toluene	**560**		10		ug/L			04/05/13 13:58	10
trans-1,2-Dichloroethene	<10		10		ug/L			04/05/13 13:58	10
trans-1,3-Dichloropropene	<10		10		ug/L			04/05/13 13:58	10
Trichloroethene	<10		10		ug/L			04/05/13 13:58	10
Vinyl chloride	<10		10		ug/L			04/05/13 13:58	10
Xylenes, Total	**450**		20		ug/L			04/05/13 13:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/05/13 13:58*	*10*
Dibromofluoromethane	*100*		*70 - 130*		*04/05/13 13:58*	*10*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/05/13 13:58*	*10*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**2400**		150		ug/L		03/30/13 15:31	04/08/13 15:32	20
Pentachlorophenol	<750		750		ug/L		03/30/13 15:31	04/08/13 15:32	20
Phenol	<150		150		ug/L		03/30/13 15:31	04/08/13 15:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D*	*31 - 141*	*03/30/13 15:31*	*04/08/13 15:32*	*20*
2-Fluorophenol	*0*	*D*	*25 - 130*	*03/30/13 15:31*	*04/08/13 15:32*	*20*
Phenol-d5	*0*	*D*	*25 - 130*	*03/30/13 15:31*	*04/08/13 15:32*	*20*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<18		18		ug/L		04/02/13 14:01	04/08/13 13:00	5
Anthracene	<0.92		0.92		ug/L		04/02/13 14:01	04/08/13 13:00	5
Benzo[a]anthracene	<0.92		0.92		ug/L		04/02/13 14:01	04/08/13 13:00	5
Benzo[a]pyrene	<0.92		0.92		ug/L		04/02/13 14:01	04/08/13 13:00	5
Benzo[b]fluoranthene	<0.92		0.92		ug/L		04/02/13 14:01	04/08/13 13:00	5
Benzo[g,h,i]perylene	<1.4		1.4		ug/L		04/02/13 14:01	04/08/13 13:00	5
Benzo[k]fluoranthene	<0.92		0.92		ug/L		04/02/13 14:01	04/08/13 13:00	5
Dibenz(a,h)anthracene	<2.1		2.1		ug/L		04/02/13 14:01	04/08/13 13:00	5
Fluorene	**17**		1.8		ug/L		04/02/13 14:01	04/08/13 13:00	5
Indeno[1,2,3-cd]pyrene	<0.92		0.92		ug/L		04/02/13 14:01	04/08/13 13:00	5
Phenanthrene	**7.4**		0.71		ug/L		04/02/13 14:01	04/08/13 13:00	5
Pyrene	<1.8		1.8		ug/L		04/02/13 14:01	04/08/13 13:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*36*		*31 - 133*	*04/02/13 14:01*	*04/08/13 13:00*	*5*
Decafluorobiphenyl	*21*	*X*	*32 - 110*	*04/02/13 14:01*	*04/08/13 13:00*	*5*

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ITW-14

Lab Sample ID: 680-88832-8

Date Collected: 03/28/13 17:00

Matrix: Water

Date Received: 03/29/13 09:45

Method: 8310 - PAHs (HPLC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	300		18		ug/L		04/02/13 14:01	04/08/13 13:42	10
Chrysene	35		1.8		ug/L		04/02/13 14:01	04/08/13 13:42	10
Fluoranthene	30		1.8		ug/L		04/02/13 14:01	04/08/13 13:42	10
Naphthalene	210		18		ug/L		04/02/13 14:01	04/08/13 13:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*31*		*31 - 133*	*04/02/13 14:01*	*04/08/13 13:42*	*10*
Decafluorobiphenyl	*23*	*X*	*32 - 110*	*04/02/13 14:01*	*04/08/13 13:42*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/05/13 09:31	04/06/13 20:28	1
Chromium	<10		10		ug/L		04/05/13 09:31	04/08/13 20:31	1

Client Sample ID: Duplicate

Lab Sample ID: 680-88832-9

Date Collected: 03/28/13 10:40

Matrix: Water

Date Received: 03/29/13 09:45

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			04/08/13 18:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/08/13 18:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/08/13 18:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/08/13 18:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/08/13 18:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/08/13 18:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/08/13 18:15	1
2-Butanone (MEK)	<10	*	10		ug/L			04/08/13 18:15	1
2-Hexanone	<10		10		ug/L			04/08/13 18:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/08/13 18:15	1
Acetone	<25	*	25		ug/L			04/08/13 18:15	1
Benzene	<1.0		1.0		ug/L			04/08/13 18:15	1
Bromoform	<1.0		1.0		ug/L			04/08/13 18:15	1
Bromomethane	<1.0	*	1.0		ug/L			04/08/13 18:15	1
Carbon disulfide	<2.0		2.0		ug/L			04/08/13 18:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/08/13 18:15	1
Chlorobenzene	<1.0		1.0		ug/L			04/08/13 18:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/08/13 18:15	1
Chloroethane	<1.0		1.0		ug/L			04/08/13 18:15	1
Chloroform	<1.0		1.0		ug/L			04/08/13 18:15	1
Chloromethane	<1.0		1.0		ug/L			04/08/13 18:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/08/13 18:15	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/08/13 18:15	1
Ethylbenzene	<1.0		1.0		ug/L			04/08/13 18:15	1
Methylene Chloride	<5.0		5.0		ug/L			04/08/13 18:15	1
Styrene	<1.0		1.0		ug/L			04/08/13 18:15	1
Tetrachloroethene	<1.0		1.0		ug/L			04/08/13 18:15	1
Toluene	<1.0		1.0		ug/L			04/08/13 18:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/08/13 18:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/08/13 18:15	1

Client Sample ID: Duplicate

Date Collected: 03/28/13 10:40
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			04/08/13 18:15	1
Vinyl chloride	<1.0		1.0		ug/L			04/08/13 18:15	1
Xylenes, Total	<2.0		2.0		ug/L			04/08/13 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/08/13 18:15*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/08/13 18:15*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/08/13 18:15*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<11		11		ug/L		03/30/13 15:31	04/05/13 15:46	1
Pentachlorophenol	<57		57		ug/L		03/30/13 15:31	04/05/13 15:46	1
Phenol	<11		11		ug/L		03/30/13 15:31	04/05/13 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*31 - 141*	*03/30/13 15:31*	*04/05/13 15:46*	*1*
2-Fluorophenol	*65*		*25 - 130*	*03/30/13 15:31*	*04/05/13 15:46*	*1*
Phenol-d5	*64*		*25 - 130*	*03/30/13 15:31*	*04/05/13 15:46*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.7		2.7		ug/L		04/02/13 14:01	04/08/13 14:23	1
Acenaphthylene	<1.4		1.4		ug/L		04/02/13 14:01	04/08/13 14:23	1
Anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Benzo[a]anthracene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Benzo[a]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Benzo[b]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Benzo[g,h,i]perylene	<0.21		0.21		ug/L		04/02/13 14:01	04/08/13 14:23	1
Benzo[k]fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Chrysene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Dibenz(a,h)anthracene	<0.32		0.32		ug/L		04/02/13 14:01	04/08/13 14:23	1
Fluoranthene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Fluorene	<0.27		0.27		ug/L		04/02/13 14:01	04/08/13 14:23	1
Indeno[1,2,3-cd]pyrene	<0.14		0.14		ug/L		04/02/13 14:01	04/08/13 14:23	1
Naphthalene	**2.2**		1.4		ug/L		04/02/13 14:01	04/08/13 14:23	1
Phenanthrene	<0.11		0.11		ug/L		04/02/13 14:01	04/08/13 14:23	1
Pyrene	<0.27		0.27		ug/L		04/02/13 14:01	04/08/13 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*70*		*31 - 133*	*04/02/13 14:01*	*04/08/13 14:23*	*1*
Decafluorobiphenyl	*57*		*32 - 110*	*04/02/13 14:01*	*04/08/13 14:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/05/13 09:31	04/06/13 20:33	1
Chromium	<10		10		ug/L		04/05/13 09:31	04/08/13 20:37	1

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: Trip Blank (Lot # 031813)

Lab Sample ID: 680-88832-10

Date Collected: 03/28/13 00:00

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 16:55	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 16:55	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 16:55	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 16:55	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 16:55	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 16:55	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 16:55	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 16:55	1
2-Hexanone	<10		10		ug/L			04/04/13 16:55	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 16:55	1
Acetone	<25		25		ug/L			04/04/13 16:55	1
Benzene	<1.0		1.0		ug/L			04/04/13 16:55	1
Bromoform	<1.0		1.0		ug/L			04/04/13 16:55	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 16:55	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 16:55	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 16:55	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 16:55	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 16:55	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 16:55	1
Chloroform	<1.0		1.0		ug/L			04/04/13 16:55	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 16:55	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 16:55	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 16:55	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 16:55	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 16:55	1
Styrene	<1.0		1.0		ug/L			04/04/13 16:55	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 16:55	1
Toluene	<1.0		1.0		ug/L			04/04/13 16:55	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 16:55	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 16:55	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 16:55	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 16:55	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*04/04/13 16:55*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/04/13 16:55*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/04/13 16:55*	*1*

Client Sample ID: Trip Blank (Lot # 031813)

Lab Sample ID: 680-88832-11

Date Collected: 03/28/13 00:00

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 17:17	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 17:17	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 17:17	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 17:17	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 17:17	1

Client Sample ID: Trip Blank (Lot # 031813)

Lab Sample ID: 680-88832-11

Date Collected: 03/28/13 00:00

Matrix: Water

Date Received: 03/29/13 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 17:17	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 17:17	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 17:17	1
2-Hexanone	<10		10		ug/L			04/04/13 17:17	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 17:17	1
Acetone	<25		25		ug/L			04/04/13 17:17	1
Benzene	<1.0		1.0		ug/L			04/04/13 17:17	1
Bromoform	<1.0		1.0		ug/L			04/04/13 17:17	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 17:17	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 17:17	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 17:17	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 17:17	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 17:17	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 17:17	1
Chloroform	<1.0		1.0		ug/L			04/04/13 17:17	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 17:17	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 17:17	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 17:17	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 17:17	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 17:17	1
Styrene	<1.0		1.0		ug/L			04/04/13 17:17	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 17:17	1
Toluene	<1.0		1.0		ug/L			04/04/13 17:17	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 17:17	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 17:17	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 17:17	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 17:17	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/04/13 17:17*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*04/04/13 17:17*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/04/13 17:17*	*1*

Client Sample ID: Equipment Blank

Lab Sample ID: 680-88832-12

Date Collected: 03/28/13 18:00

Matrix: Water

Date Received: 03/29/13 09:45

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			04/04/13 17:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 17:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 17:39	1
1,1-Dichloroethane	<1.0	*	1.0		ug/L			04/04/13 17:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 17:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 17:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 17:39	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 17:39	1
2-Hexanone	<10		10		ug/L			04/04/13 17:39	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 17:39	1

Client Sample ID: Equipment Blank
Date Collected: 03/28/13 18:00
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			04/04/13 17:39	1
Benzene	<1.0		1.0		ug/L			04/04/13 17:39	1
Bromoform	<1.0		1.0		ug/L			04/04/13 17:39	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 17:39	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 17:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 17:39	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 17:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 17:39	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 17:39	1
Chloroform	<1.0		1.0		ug/L			04/04/13 17:39	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 17:39	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 17:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 17:39	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 17:39	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 17:39	1
Styrene	<1.0		1.0		ug/L			04/04/13 17:39	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 17:39	1
Toluene	<1.0		1.0		ug/L			04/04/13 17:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 17:39	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 17:39	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 17:39	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 17:39	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/04/13 17:39*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/04/13 17:39*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/04/13 17:39*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<12		12		ug/L		03/30/13 15:31	04/05/13 16:14	1
Pentachlorophenol	<58		58		ug/L		03/30/13 15:31	04/05/13 16:14	1
Phenol	<12		12		ug/L		03/30/13 15:31	04/05/13 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*31 - 141*	*03/30/13 15:31*	*04/05/13 16:14*	*1*
2-Fluorophenol	*58*		*25 - 130*	*03/30/13 15:31*	*04/05/13 16:14*	*1*
Phenol-d5	*60*		*25 - 130*	*03/30/13 15:31*	*04/05/13 16:14*	*1*

Method: 8310 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.9		2.9		ug/L		04/02/13 14:01	04/08/13 15:04	1
Acenaphthylene	<1.5		1.5		ug/L		04/02/13 14:01	04/08/13 15:04	1
Anthracene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Benzo[a]anthracene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Benzo[a]pyrene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Benzo[b]fluoranthene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Benzo[g,h,i]perylene	<0.23		0.23		ug/L		04/02/13 14:01	04/08/13 15:04	1
Benzo[k]fluoranthene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: Equipment Blank
Date Collected: 03/28/13 18:00
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88832-12
Matrix: Water

Method: 8310 - PAHs (HPLC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Dibenz(a,h)anthracene	<0.35		0.35		ug/L		04/02/13 14:01	04/08/13 15:04	1
Fluoranthene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Fluorene	<0.29		0.29		ug/L		04/02/13 14:01	04/08/13 15:04	1
Indeno[1,2,3-cd]pyrene	<0.15		0.15		ug/L		04/02/13 14:01	04/08/13 15:04	1
Naphthalene	<1.5		1.5		ug/L		04/02/13 14:01	04/08/13 15:04	1
Phenanthrene	<0.12		0.12		ug/L		04/02/13 14:01	04/08/13 15:04	1
Pyrene	<0.29		0.29		ug/L		04/02/13 14:01	04/08/13 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Benzo[e]pyrene	*84*		*31 - 133*	*04/02/13 14:01*	*04/08/13 15:04*	*1*
Decafluorobiphenyl	*76*		*32 - 110*	*04/02/13 14:01*	*04/08/13 15:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/05/13 09:31	04/06/13 20:39	1
Chromium	<10		10		ug/L		04/05/13 09:31	04/08/13 20:42	1

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

Lab Sample ID: MB 680-271921/22
Matrix: Water
Analysis Batch: 271921

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			04/04/13 13:28	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/04/13 13:28	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/04/13 13:28	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/04/13 13:28	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/04/13 13:28	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/04/13 13:28	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/04/13 13:28	1
2-Butanone (MEK)	<10		10		ug/L			04/04/13 13:28	1
2-Hexanone	<10		10		ug/L			04/04/13 13:28	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/04/13 13:28	1
Acetone	<25		25		ug/L			04/04/13 13:28	1
Benzene	<1.0		1.0		ug/L			04/04/13 13:28	1
Bromoform	<1.0		1.0		ug/L			04/04/13 13:28	1
Bromomethane	<1.0		1.0		ug/L			04/04/13 13:28	1
Carbon disulfide	<2.0		2.0		ug/L			04/04/13 13:28	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/04/13 13:28	1
Chlorobenzene	<1.0		1.0		ug/L			04/04/13 13:28	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/04/13 13:28	1
Chloroethane	<1.0		1.0		ug/L			04/04/13 13:28	1
Chloroform	<1.0		1.0		ug/L			04/04/13 13:28	1
Chloromethane	<1.0		1.0		ug/L			04/04/13 13:28	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 13:28	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/04/13 13:28	1
Ethylbenzene	<1.0		1.0		ug/L			04/04/13 13:28	1
Methylene Chloride	<5.0		5.0		ug/L			04/04/13 13:28	1
Styrene	<1.0		1.0		ug/L			04/04/13 13:28	1
Tetrachloroethene	<1.0		1.0		ug/L			04/04/13 13:28	1
Toluene	<1.0		1.0		ug/L			04/04/13 13:28	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/04/13 13:28	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/04/13 13:28	1
Trichloroethene	<1.0		1.0		ug/L			04/04/13 13:28	1
Vinyl chloride	<1.0		1.0		ug/L			04/04/13 13:28	1
Xylenes, Total	<2.0		2.0		ug/L			04/04/13 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/04/13 13:28*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/04/13 13:28*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/04/13 13:28*	*1*

Lab Sample ID: LCS 680-271921/4
Matrix: Water
Analysis Batch: 271921

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	49.5		ug/L		99	76 - 126
1,1,2,2-Tetrachloroethane	50.0	54.5		ug/L		109	71 - 127
1,1,2-Trichloroethane	50.0	51.6		ug/L		103	69 - 127
1,1-Dichloroethane	50.0	35.7		ug/L		71	69 - 132

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

Lab Sample ID: LCS 680-271921/4
Matrix: Water
Analysis Batch: 271921

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	52.7		ug/L		105	73 - 134
1,2-Dichloroethane	50.0	53.4		ug/L		107	75 - 120
1,2-Dichloropropane	50.0	59.5		ug/L		119	71 - 126
2-Butanone (MEK)	100	130		ug/L		130	55 - 142
2-Hexanone	100	114		ug/L		114	52 - 149
4-Methyl-2-pentanone (MIBK)	100	109		ug/L		109	51 - 143
Acetone	100	145		ug/L		145	39 - 162
Benzene	50.0	51.9		ug/L		104	74 - 123
Bromoform	50.0	49.6		ug/L		99	60 - 134
Bromomethane	50.0	58.5		ug/L		117	10 - 171
Carbon disulfide	50.0	41.0		ug/L		82	63 - 142
Carbon tetrachloride	50.0	43.8		ug/L		88	70 - 131
Chlorobenzene	50.0	53.4		ug/L		107	79 - 120
Chlorodibromomethane	50.0	46.1		ug/L		92	63 - 134
Chloroethane	50.0	48.9		ug/L		98	47 - 148
Chloroform	50.0	53.4		ug/L		107	76 - 128
Chloromethane	50.0	49.5		ug/L		99	47 - 151
cis-1,2-Dichloroethene	50.0	54.1		ug/L		108	78 - 127
cis-1,3-Dichloropropene	50.0	54.1		ug/L		108	73 - 128
Dichlorobromomethane	50.0	47.9		ug/L		96	72 - 129
Ethylbenzene	50.0	55.3		ug/L		111	78 - 125
Methylene Chloride	50.0	48.9		ug/L		98	79 - 124
Styrene	50.0	57.0		ug/L		114	75 - 129
Tetrachloroethene	50.0	55.7		ug/L		111	77 - 128
Toluene	50.0	53.8		ug/L		108	77 - 125
trans-1,2-Dichloroethene	50.0	53.9		ug/L		108	78 - 130
trans-1,3-Dichloropropene	50.0	53.6		ug/L		107	72 - 127
Trichloroethene	50.0	55.9		ug/L		112	80 - 120
Vinyl chloride	50.0	43.8		ug/L		88	58 - 141
Xylenes, Total	150	171		ug/L		114	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*70 - 130*
Dibromofluoromethane	*108*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 680-271921/6
Matrix: Water
Analysis Batch: 271921

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	48.7		ug/L		97	76 - 126	2	30
1,1,2,2-Tetrachloroethane	50.0	53.8		ug/L		108	71 - 127	1	30
1,1,2-Trichloroethane	50.0	49.4		ug/L		99	69 - 127	4	30
1,1-Dichloroethane	50.0	55.8	*	ug/L		112	69 - 132	44	30
1,1-Dichloroethene	50.0	55.5		ug/L		111	73 - 134	5	30
1,2-Dichloroethane	50.0	51.2		ug/L		102	75 - 120	4	30
1,2-Dichloropropane	50.0	56.2		ug/L		112	71 - 126	6	30

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

Lab Sample ID: LCSD 680-271921/6
Matrix: Water
Analysis Batch: 271921

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	131		ug/L		131	55 - 142	1	30
2-Hexanone	100	116		ug/L		116	52 - 149	1	30
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	51 - 143	3	30
Acetone	100	161		ug/L		161	39 - 162	10	50
Benzene	50.0	50.9		ug/L		102	74 - 123	2	30
Bromoform	50.0	46.7		ug/L		93	60 - 134	6	30
Bromomethane	50.0	85.3		ug/L		171	10 - 171	37	50
Carbon disulfide	50.0	43.0		ug/L		86	63 - 142	5	30
Carbon tetrachloride	50.0	43.0		ug/L		86	70 - 131	2	30
Chlorobenzene	50.0	52.3		ug/L		105	79 - 120	2	30
Chlorodibromomethane	50.0	43.8		ug/L		88	63 - 134	5	50
Chloroethane	50.0	55.6		ug/L		111	47 - 148	13	40
Chloroform	50.0	54.7		ug/L		109	76 - 128	2	30
Chloromethane	50.0	51.9		ug/L		104	47 - 151	5	30
cis-1,2-Dichloroethene	50.0	55.1		ug/L		110	78 - 127	2	30
cis-1,3-Dichloropropene	50.0	51.8		ug/L		104	73 - 128	4	30
Dichlorobromomethane	50.0	46.2		ug/L		92	72 - 129	4	30
Ethylbenzene	50.0	55.5		ug/L		111	78 - 125	0	30
Methylene Chloride	50.0	51.0		ug/L		102	79 - 124	4	30
Styrene	50.0	56.9		ug/L		114	75 - 129	0	30
Tetrachloroethene	50.0	55.5		ug/L		111	77 - 128	0	30
Toluene	50.0	52.9		ug/L		106	77 - 125	2	30
trans-1,2-Dichloroethene	50.0	55.3		ug/L		111	78 - 130	3	30
trans-1,3-Dichloropropene	50.0	50.3		ug/L		101	72 - 127	6	50
Trichloroethene	50.0	54.7		ug/L		109	80 - 120	2	30
Vinyl chloride	50.0	47.3		ug/L		95	58 - 141	8	30
Xylenes, Total	150	170		ug/L		113	80 - 124	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*70 - 130*
Dibromofluoromethane	*111*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 680-272094/7
Matrix: Water
Analysis Batch: 272094

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			04/05/13 12:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/05/13 12:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/05/13 12:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/05/13 12:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/05/13 12:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/05/13 12:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/05/13 12:15	1
2-Butanone (MEK)	<10		10		ug/L			04/05/13 12:15	1
2-Hexanone	<10		10		ug/L			04/05/13 12:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/05/13 12:15	1

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

Lab Sample ID: MB 680-272094/7
Matrix: Water
Analysis Batch: 272094

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			04/05/13 12:15	1
Benzene	<1.0		1.0		ug/L			04/05/13 12:15	1
Bromoform	<1.0		1.0		ug/L			04/05/13 12:15	1
Bromomethane	<1.0		1.0		ug/L			04/05/13 12:15	1
Carbon disulfide	<2.0		2.0		ug/L			04/05/13 12:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/05/13 12:15	1
Chlorobenzene	<1.0		1.0		ug/L			04/05/13 12:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/05/13 12:15	1
Chloroethane	<1.0		1.0		ug/L			04/05/13 12:15	1
Chloroform	<1.0		1.0		ug/L			04/05/13 12:15	1
Chloromethane	<1.0		1.0		ug/L			04/05/13 12:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/05/13 12:15	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/05/13 12:15	1
Ethylbenzene	<1.0		1.0		ug/L			04/05/13 12:15	1
Methylene Chloride	<5.0		5.0		ug/L			04/05/13 12:15	1
Styrene	<1.0		1.0		ug/L			04/05/13 12:15	1
Tetrachloroethene	<1.0		1.0		ug/L			04/05/13 12:15	1
Toluene	<1.0		1.0		ug/L			04/05/13 12:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/05/13 12:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/05/13 12:15	1
Trichloroethene	<1.0		1.0		ug/L			04/05/13 12:15	1
Vinyl chloride	<1.0		1.0		ug/L			04/05/13 12:15	1
Xylenes, Total	<2.0		2.0		ug/L			04/05/13 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/05/13 12:15*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/05/13 12:15*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/05/13 12:15*	*1*

Lab Sample ID: LCS 680-272094/4
Matrix: Water
Analysis Batch: 272094

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	49.7		ug/L		99	76 - 126
1,1,2,2-Tetrachloroethane	50.0	55.5		ug/L		111	71 - 127
1,1,2-Trichloroethane	50.0	51.4		ug/L		103	69 - 127
1,1-Dichloroethane	50.0	50.5		ug/L		101	69 - 132
1,1-Dichloroethene	50.0	51.8		ug/L		104	73 - 134
1,2-Dichloroethane	50.0	54.0		ug/L		108	75 - 120
1,2-Dichloropropane	50.0	59.6		ug/L		119	71 - 126
2-Butanone (MEK)	100	135		ug/L		135	55 - 142
2-Hexanone	100	125		ug/L		125	52 - 149
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	51 - 143
Acetone	100	165	*	ug/L		165	39 - 162
Benzene	50.0	51.6		ug/L		103	74 - 123
Bromoform	50.0	50.3		ug/L		101	60 - 134
Bromomethane	50.0	38.9		ug/L		78	10 - 171

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

Lab Sample ID: LCS 680-272094/4
Matrix: Water
Analysis Batch: 272094

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	40.4		ug/L		81	63 - 142
Carbon tetrachloride	50.0	44.0		ug/L		88	70 - 131
Chlorobenzene	50.0	52.8		ug/L		106	79 - 120
Chlorodibromomethane	50.0	46.4		ug/L		93	63 - 134
Chloroethane	50.0	55.2		ug/L		110	47 - 148
Chloroform	50.0	52.2		ug/L		104	76 - 128
Chloromethane	50.0	49.1		ug/L		98	47 - 151
cis-1,2-Dichloroethene	50.0	52.5		ug/L		105	78 - 127
cis-1,3-Dichloropropene	50.0	55.2		ug/L		110	73 - 128
Dichlorobromomethane	50.0	48.3		ug/L		97	72 - 129
Ethylbenzene	50.0	54.0		ug/L		108	78 - 125
Methylene Chloride	50.0	49.8		ug/L		100	79 - 124
Styrene	50.0	56.9		ug/L		114	75 - 129
Tetrachloroethene	50.0	54.3		ug/L		109	77 - 128
Toluene	50.0	53.7		ug/L		107	77 - 125
trans-1,2-Dichloroethene	50.0	52.8		ug/L		106	78 - 130
trans-1,3-Dichloropropene	50.0	54.3		ug/L		109	72 - 127
Trichloroethene	50.0	55.1		ug/L		110	80 - 120
Vinyl chloride	50.0	43.7		ug/L		87	58 - 141
Xylenes, Total	150	168		ug/L		112	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 680-272094/5
Matrix: Water
Analysis Batch: 272094

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	48.2		ug/L		96	76 - 126	3	30
1,1,2,2-Tetrachloroethane	50.0	53.8		ug/L		108	71 - 127	3	30
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	69 - 127	5	30
1,1-Dichloroethane	50.0	35.7	*	ug/L		71	69 - 132	34	30
1,1-Dichloroethene	50.0	54.1		ug/L		108	73 - 134	4	30
1,2-Dichloroethane	50.0	52.0		ug/L		104	75 - 120	4	30
1,2-Dichloropropane	50.0	56.2		ug/L		112	71 - 126	6	30
2-Butanone (MEK)	100	140		ug/L		140	55 - 142	3	30
2-Hexanone	100	118		ug/L		118	52 - 149	5	30
4-Methyl-2-pentanone (MIBK)	100	104		ug/L		104	51 - 143	6	30
Acetone	100	164	*	ug/L		164	39 - 162	0	50
Benzene	50.0	49.1		ug/L		98	74 - 123	5	30
Bromoform	50.0	47.9		ug/L		96	60 - 134	5	30
Bromomethane	50.0	44.1		ug/L		88	10 - 171	12	50
Carbon disulfide	50.0	40.9		ug/L		82	63 - 142	1	30
Carbon tetrachloride	50.0	42.6		ug/L		85	70 - 131	3	30
Chlorobenzene	50.0	51.7		ug/L		103	79 - 120	2	30

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

Lab Sample ID: LCSD 680-272094/5
Matrix: Water
Analysis Batch: 272094

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	45.1		ug/L		90	63 - 134	3	50
Chloroethane			50.0	54.7		ug/L		109	47 - 148	1	40
Chloroform			50.0	53.5		ug/L		107	76 - 128	3	30
Chloromethane			50.0	49.2		ug/L		98	47 - 151	0	30
cis-1,2-Dichloroethene			50.0	53.0		ug/L		106	78 - 127	1	30
cis-1,3-Dichloropropene			50.0	52.1		ug/L		104	73 - 128	6	30
Dichlorobromomethane			50.0	46.1		ug/L		92	72 - 129	5	30
Ethylbenzene			50.0	53.9		ug/L		108	78 - 125	0	30
Methylene Chloride			50.0	49.5		ug/L		99	79 - 124	1	30
Styrene			50.0	55.4		ug/L		111	75 - 129	3	30
Tetrachloroethene			50.0	54.1		ug/L		108	77 - 128	0	30
Toluene			50.0	51.6		ug/L		103	77 - 125	4	30
trans-1,2-Dichloroethene			50.0	53.6		ug/L		107	78 - 130	2	30
trans-1,3-Dichloropropene			50.0	51.3		ug/L		103	72 - 127	6	50
Trichloroethene			50.0	53.4		ug/L		107	80 - 120	3	30
Vinyl chloride			50.0	44.7		ug/L		89	58 - 141	2	30
Xylenes, Total			150	165		ug/L		110	80 - 124	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 680-272295/7
Matrix: Water
Analysis Batch: 272295

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			04/08/13 16:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/08/13 16:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/08/13 16:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/08/13 16:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/08/13 16:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/08/13 16:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/08/13 16:38	1
2-Butanone (MEK)	<10		10		ug/L			04/08/13 16:38	1
2-Hexanone	<10		10		ug/L			04/08/13 16:38	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/08/13 16:38	1
Acetone	<25		25		ug/L			04/08/13 16:38	1
Benzene	<1.0		1.0		ug/L			04/08/13 16:38	1
Bromoform	<1.0		1.0		ug/L			04/08/13 16:38	1
Bromomethane	<1.0		1.0		ug/L			04/08/13 16:38	1
Carbon disulfide	<2.0		2.0		ug/L			04/08/13 16:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/08/13 16:38	1
Chlorobenzene	<1.0		1.0		ug/L			04/08/13 16:38	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/08/13 16:38	1
Chloroethane	<1.0		1.0		ug/L			04/08/13 16:38	1
Chloroform	<1.0		1.0		ug/L			04/08/13 16:38	1

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

Lab Sample ID: MB 680-272295/7
Matrix: Water
Analysis Batch: 272295

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			04/08/13 16:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/08/13 16:38	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/08/13 16:38	1
Ethylbenzene	<1.0		1.0		ug/L			04/08/13 16:38	1
Methylene Chloride	<5.0		5.0		ug/L			04/08/13 16:38	1
Styrene	<1.0		1.0		ug/L			04/08/13 16:38	1
Tetrachloroethene	<1.0		1.0		ug/L			04/08/13 16:38	1
Toluene	<1.0		1.0		ug/L			04/08/13 16:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/08/13 16:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			04/08/13 16:38	1
Trichloroethene	<1.0		1.0		ug/L			04/08/13 16:38	1
Vinyl chloride	<1.0		1.0		ug/L			04/08/13 16:38	1
Xylenes, Total	<2.0		2.0		ug/L			04/08/13 16:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*04/08/13 16:38*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/08/13 16:38*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/08/13 16:38*	*1*

Lab Sample ID: LCS 680-272295/14
Matrix: Water
Analysis Batch: 272295

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	52.7		ug/L		105	76 - 126
1,1,2,2-Tetrachloroethane	50.0	42.1		ug/L		84	71 - 127
1,1,2-Trichloroethane	50.0	45.9		ug/L		92	69 - 127
1,1-Dichloroethane	50.0	55.2		ug/L		110	69 - 132
1,1-Dichloroethene	50.0	55.0		ug/L		110	73 - 134
1,2-Dichloroethane	50.0	49.2		ug/L		98	75 - 120
1,2-Dichloropropane	50.0	51.9		ug/L		104	71 - 126
2-Butanone (MEK)	100	100		ug/L		100	55 - 142
2-Hexanone	100	110		ug/L		110	52 - 149
4-Methyl-2-pentanone (MIBK)	100	83.8		ug/L		84	51 - 143
Acetone	100	133		ug/L		133	39 - 162
Benzene	50.0	47.9		ug/L		96	74 - 123
Bromoform	50.0	44.1		ug/L		88	60 - 134
Bromomethane	50.0	28.0		ug/L		56	10 - 171
Carbon disulfide	50.0	45.3		ug/L		91	63 - 142
Carbon tetrachloride	50.0	45.7		ug/L		91	70 - 131
Chlorobenzene	50.0	48.7		ug/L		97	79 - 120
Chlorodibromomethane	50.0	46.3		ug/L		93	63 - 134
Chloroethane	50.0	50.9		ug/L		102	47 - 148
Chloroform	50.0	51.0		ug/L		102	76 - 128
Chloromethane	50.0	51.7		ug/L		103	47 - 151
cis-1,2-Dichloroethene	50.0	51.8		ug/L		104	78 - 127
cis-1,3-Dichloropropene	50.0	48.9		ug/L		98	73 - 128
Dichlorobromomethane	50.0	46.1		ug/L		92	72 - 129

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

Lab Sample ID: LCS 680-272295/14
Matrix: Water
Analysis Batch: 272295

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	52.0		ug/L		104	78 - 125
Methylene Chloride	50.0	48.4		ug/L		97	79 - 124
Styrene	50.0	53.3		ug/L		107	75 - 129
Tetrachloroethene	50.0	50.0		ug/L		100	77 - 128
Toluene	50.0	49.9		ug/L		100	77 - 125
trans-1,2-Dichloroethene	50.0	52.0		ug/L		104	78 - 130
trans-1,3-Dichloropropene	50.0	46.6		ug/L		93	72 - 127
Trichloroethene	50.0	53.7		ug/L		107	80 - 120
Vinyl chloride	50.0	50.9		ug/L		102	58 - 141
Xylenes, Total	150	160		ug/L		106	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 680-272295/15
Matrix: Water
Analysis Batch: 272295

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	40.8		ug/L		82	76 - 126	26	30
1,1,2,2-Tetrachloroethane	50.0	42.5		ug/L		85	71 - 127	1	30
1,1,2-Trichloroethane	50.0	42.7		ug/L		85	69 - 127	7	30
1,1-Dichloroethane	50.0	47.3		ug/L		95	69 - 132	16	30
1,1-Dichloroethene	50.0	46.0		ug/L		92	73 - 134	18	30
1,2-Dichloroethane	50.0	40.4		ug/L		81	75 - 120	20	30
1,2-Dichloropropane	50.0	44.0		ug/L		88	71 - 126	16	30
2-Butanone (MEK)	100	172	*	ug/L		172	55 - 142	53	30
2-Hexanone	100	118		ug/L		118	52 - 149	7	30
4-Methyl-2-pentanone (MIBK)	100	85.7		ug/L		86	51 - 143	2	30
Acetone	100	222	*	ug/L		222	39 - 162	50	50
Benzene	50.0	42.1		ug/L		84	74 - 123	13	30
Bromoform	50.0	37.4		ug/L		75	60 - 134	17	30
Bromomethane	50.0	15.2	*	ug/L		30	10 - 171	60	50
Carbon disulfide	50.0	37.0		ug/L		74	63 - 142	20	30
Carbon tetrachloride	50.0	35.5		ug/L		71	70 - 131	25	30
Chlorobenzene	50.0	44.8		ug/L		90	79 - 120	8	30
Chlorodibromomethane	50.0	40.9		ug/L		82	63 - 134	12	50
Chloroethane	50.0	42.0		ug/L		84	47 - 148	19	40
Chloroform	50.0	44.6		ug/L		89	76 - 128	13	30
Chloromethane	50.0	41.7		ug/L		83	47 - 151	21	30
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	78 - 127	13	30
cis-1,3-Dichloropropene	50.0	40.0		ug/L		80	73 - 128	20	30
Dichlorobromomethane	50.0	37.0		ug/L		74	72 - 129	22	30
Ethylbenzene	50.0	46.4		ug/L		93	78 - 125	11	30
Methylene Chloride	50.0	41.4		ug/L		83	79 - 124	16	30
Styrene	50.0	46.0		ug/L		92	75 - 129	15	30

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

Lab Sample ID: LCSD 680-272295/15
Matrix: Water
Analysis Batch: 272295

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
Tetrachloroethene			50.0	47.8		ug/L		96	77 - 128	5	30
Toluene			50.0	43.1		ug/L		86	77 - 125	15	30
trans-1,2-Dichloroethene			50.0	45.5		ug/L		91	78 - 130	13	30
trans-1,3-Dichloropropene			50.0	38.8		ug/L		78	72 - 127	18	50
Trichloroethene			50.0	46.6		ug/L		93	80 - 120	14	30
Vinyl chloride			50.0	43.5		ug/L		87	58 - 141	16	30
Xylenes, Total			150	137		ug/L		91	80 - 124	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane	*91*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-271315/11-A
Matrix: Water
Analysis Batch: 271698

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<10		10		ug/L		03/30/13 15:31	04/03/13 08:04	1
Pentachlorophenol	<50		50		ug/L		03/30/13 15:31	04/03/13 08:04	1
Phenol	<10		10		ug/L		03/30/13 15:31	04/03/13 08:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*31 - 141*	*03/30/13 15:31*	*04/03/13 08:04*	*1*
2-Fluorophenol	*64*		*25 - 130*	*03/30/13 15:31*	*04/03/13 08:04*	*1*
Phenol-d5	*61*		*25 - 130*	*03/30/13 15:31*	*04/03/13 08:04*	*1*

Lab Sample ID: LCS 680-271315/12-A
Matrix: Water
Analysis Batch: 271698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271315

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol			100	65.9		ug/L		66	40 - 130
Pentachlorophenol			100	90.0		ug/L		90	42 - 138
Phenol			100	62.5		ug/L		62	29 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*94*		*31 - 141*
2-Fluorophenol	*69*		*25 - 130*
Phenol-d5	*68*		*25 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-88832-1 MS
Matrix: Water
Analysis Batch: 271889

Client Sample ID: ITW-1
Prep Type: Total/NA
Prep Batch: 271315

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	<9.9		108	61.7		ug/L		57	40 - 130
Pentachlorophenol	<49		108	87.0		ug/L		80	42 - 138
Phenol	<9.9		108	50.4		ug/L		47	29 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*75*		*31 - 141*
2-Fluorophenol	*49*		*25 - 130*
Phenol-d5	*49*		*25 - 130*

Lab Sample ID: 680-88832-1 MSD
Matrix: Water
Analysis Batch: 271889

Client Sample ID: ITW-1
Prep Type: Total/NA
Prep Batch: 271315

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dimethylphenol	<9.9		111	87.1		ug/L		79	40 - 130	34	50
Pentachlorophenol	<49		111	100		ug/L		90	42 - 138	14	50
Phenol	<9.9		111	69.0		ug/L		62	29 - 130	31	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*31 - 141*
2-Fluorophenol	*73*		*25 - 130*
Phenol-d5	*50*		*25 - 130*

Method: 8310 - PAHs (HPLC)

Lab Sample ID: MB 500-181669/1-A
Matrix: Water
Analysis Batch: 181915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 181669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<2.5		2.5		ug/L		04/02/13 14:01	04/05/13 09:38	1
Acenaphthylene	<1.3		1.3		ug/L		04/02/13 14:01	04/05/13 09:38	1
Anthracene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Benzo[a]anthracene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Benzo[a]pyrene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Benzo[b]fluoranthene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		04/02/13 14:01	04/05/13 09:38	1
Benzo[k]fluoranthene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Chrysene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Dibenz(a,h)anthracene	<0.30		0.30		ug/L		04/02/13 14:01	04/05/13 09:38	1
Fluoranthene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Fluorene	<0.25		0.25		ug/L		04/02/13 14:01	04/05/13 09:38	1
Indeno[1,2,3-cd]pyrene	<0.13		0.13		ug/L		04/02/13 14:01	04/05/13 09:38	1
Naphthalene	<1.3		1.3		ug/L		04/02/13 14:01	04/05/13 09:38	1
Phenanthrene	<0.10		0.10		ug/L		04/02/13 14:01	04/05/13 09:38	1
Pyrene	<0.25		0.25		ug/L		04/02/13 14:01	04/05/13 09:38	1

Method: 8310 - PAHs (HPLC) (Continued)

Lab Sample ID: MB 500-181669/1-A
Matrix: Water
Analysis Batch: 181915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 181669

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo[e]pyrene	87		31 - 133	04/02/13 14:01	04/05/13 09:38	1
Decafluorobiphenyl	62		32 - 110	04/02/13 14:01	04/05/13 09:38	1

Lab Sample ID: LCS 500-181669/2-A
Matrix: Water
Analysis Batch: 181915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	4.00	3.68		ug/L		92	67 - 110
Acenaphthylene	8.00	6.86		ug/L		86	67 - 110
Anthracene	0.400	0.362		ug/L		90	64 - 120
Benzo[a]anthracene	0.400	0.376		ug/L		94	80 - 127
Benzo[a]pyrene	0.400	0.334		ug/L		84	65 - 124
Benzo[b]fluoranthene	0.800	0.693		ug/L		87	70 - 111
Benzo[g,h,i]perylene	0.800	0.567		ug/L		71	61 - 114
Benzo[k]fluoranthene	0.400	0.375		ug/L		94	63 - 115
Chrysene	0.400	0.410		ug/L		103	71 - 120
Dibenz(a,h)anthracene	0.800	0.417		ug/L		52	43 - 115
Fluoranthene	0.800	0.712		ug/L		89	66 - 111
Fluorene	0.800	0.699		ug/L		87	70 - 110
Indeno[1,2,3-cd]pyrene	0.400	0.323		ug/L		81	72 - 116
Naphthalene	4.00	3.54		ug/L		88	54 - 110
Phenanthrene	0.400	0.356		ug/L		89	57 - 125
Pyrene	0.400	0.290		ug/L		72	66 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Benzo[e]pyrene	83		31 - 133
Decafluorobiphenyl	72		32 - 110

Lab Sample ID: LCSD 500-181669/3-A
Matrix: Water
Analysis Batch: 181915

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 181669

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	4.00	3.46		ug/L		86	67 - 110	6	20
Acenaphthylene	8.00	6.52		ug/L		82	67 - 110	5	20
Anthracene	0.400	0.360		ug/L		90	64 - 120	1	20
Benzo[a]anthracene	0.400	0.373		ug/L		93	80 - 127	1	20
Benzo[a]pyrene	0.400	0.284		ug/L		71	65 - 124	16	20
Benzo[b]fluoranthene	0.800	0.693		ug/L		87	70 - 111	0	20
Benzo[g,h,i]perylene	0.800	0.577		ug/L		72	61 - 114	2	20
Benzo[k]fluoranthene	0.400	0.373		ug/L		93	63 - 115	0	20
Chrysene	0.400	0.402		ug/L		101	71 - 120	2	20
Dibenz(a,h)anthracene	0.800	0.414		ug/L		52	43 - 115	1	20
Fluoranthene	0.800	0.695		ug/L		87	66 - 111	2	20
Fluorene	0.800	0.720		ug/L		90	70 - 110	3	20
Indeno[1,2,3-cd]pyrene	0.400	0.335		ug/L		84	72 - 116	4	20
Naphthalene	4.00	3.52		ug/L		88	54 - 110	0	20

Method: 8310 - PAHs (HPLC) (Continued)

Lab Sample ID: LCSD 500-181669/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 181915 — **Prep Batch: 181669**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene			0.400	0.349		ug/L		87	57 - 125	2	20
Pyrene			0.400	0.324		ug/L		81	66 - 134	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Benzo[e]pyrene	*83*		*31 - 133*
Decafluorobiphenyl	*71*		*32 - 110*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 680-271843/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 272043 — **Prep Batch: 271843**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/04/13 08:33	04/04/13 18:48	1
Chromium	<10		10		ug/L		04/04/13 08:33	04/04/13 18:48	1

Lab Sample ID: LCS 680-271843/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 272043 — **Prep Batch: 271843**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic			200	220		ug/L		110	75 - 125
Chromium			200	212		ug/L		106	75 - 125

Lab Sample ID: MB 680-272031/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 272276 — **Prep Batch: 272031**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<20		20		ug/L		04/05/13 09:31	04/06/13 20:11	1

Lab Sample ID: MB 680-272031/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 272407 — **Prep Batch: 272031**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<10		10		ug/L		04/05/13 09:31	04/08/13 20:14	1

Lab Sample ID: LCS 680-272031/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 272276 — **Prep Batch: 272031**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic			200	225		ug/L		113	75 - 125

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-272031/3-A
Matrix: Water
Analysis Batch: 272407

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 272031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	208		ug/L		104	75 - 125

GC/MS VOA

Analysis Batch: 271921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total/NA	Water	8260B	
680-88832-2	WMW-17E	Total/NA	Water	8260B	
680-88832-3	WMW-18E	Total/NA	Water	8260B	
680-88832-4	ESE-002	Total/NA	Water	8260B	
680-88832-5	ESE-004	Total/NA	Water	8260B	
680-88832-6	ESE-007	Total/NA	Water	8260B	
680-88832-10	Trip Blank (Lot # 031813)	Total/NA	Water	8260B	
680-88832-11	Trip Blank (Lot # 031813)	Total/NA	Water	8260B	
680-88832-12	Equipment Blank	Total/NA	Water	8260B	
LCS 680-271921/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-271921/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-271921/22	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 272094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-8	ITW-14	Total/NA	Water	8260B	
LCS 680-272094/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-272094/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-272094/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 272295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-7	ITW-13	Total/NA	Water	8260B	
680-88832-9	Duplicate	Total/NA	Water	8260B	
LCS 680-272295/14	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-272295/15	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-272295/7	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 271315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total/NA	Water	3520C	
680-88832-1 MS	ITW-1	Total/NA	Water	3520C	
680-88832-1 MSD	ITW-1	Total/NA	Water	3520C	
680-88832-2	WMW-17E	Total/NA	Water	3520C	
680-88832-3	WMW-18E	Total/NA	Water	3520C	
680-88832-4	ESE-002	Total/NA	Water	3520C	
680-88832-5	ESE-004	Total/NA	Water	3520C	
680-88832-6	ESE-007	Total/NA	Water	3520C	
680-88832-7	ITW-13	Total/NA	Water	3520C	
680-88832-8	ITW-14	Total/NA	Water	3520C	
680-88832-9	Duplicate	Total/NA	Water	3520C	
680-88832-12	Equipment Blank	Total/NA	Water	3520C	
LCS 680-271315/12-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-271315/11-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 271698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-271315/12-A	Lab Control Sample	Total/NA	Water	8270C	271315

GC/MS Semi VOA (Continued)

Analysis Batch: 271698 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-271315/11-A	Method Blank	Total/NA	Water	8270C	271315

Analysis Batch: 271889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total/NA	Water	8270C	271315
680-88832-1 MS	ITW-1	Total/NA	Water	8270C	271315
680-88832-1 MSD	ITW-1	Total/NA	Water	8270C	271315
680-88832-2	WMW-17E	Total/NA	Water	8270C	271315
680-88832-3	WMW-18E	Total/NA	Water	8270C	271315
680-88832-4	ESE-002	Total/NA	Water	8270C	271315
680-88832-5	ESE-004	Total/NA	Water	8270C	271315

Analysis Batch: 272109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-6	ESE-007	Total/NA	Water	8270C	271315
680-88832-7	ITW-13	Total/NA	Water	8270C	271315
680-88832-9	Duplicate	Total/NA	Water	8270C	271315
680-88832-12	Equipment Blank	Total/NA	Water	8270C	271315

Analysis Batch: 272432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-8	ITW-14	Total/NA	Water	8270C	271315

HPLC/IC

Prep Batch: 181669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total/NA	Water	3510C	
680-88832-2	WMW-17E	Total/NA	Water	3510C	
680-88832-3	WMW-18E	Total/NA	Water	3510C	
680-88832-4 - DL	ESE-002	Total/NA	Water	3510C	
680-88832-4	ESE-002	Total/NA	Water	3510C	
680-88832-5	ESE-004	Total/NA	Water	3510C	
680-88832-6	ESE-007	Total/NA	Water	3510C	
680-88832-7	ITW-13	Total/NA	Water	3510C	
680-88832-8	ITW-14	Total/NA	Water	3510C	
680-88832-8 - DL	ITW-14	Total/NA	Water	3510C	
680-88832-9	Duplicate	Total/NA	Water	3510C	
680-88832-12	Equipment Blank	Total/NA	Water	3510C	
LCS 500-181669/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-181669/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-181669/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 181915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total/NA	Water	8310	181669
680-88832-2	WMW-17E	Total/NA	Water	8310	181669
680-88832-3	WMW-18E	Total/NA	Water	8310	181669
680-88832-4 - DL	ESE-002	Total/NA	Water	8310	181669
680-88832-4	ESE-002	Total/NA	Water	8310	181669

HPLC/IC (Continued)

Analysis Batch: 181915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-5	ESE-004	Total/NA	Water	8310	181669
680-88832-6	ESE-007	Total/NA	Water	8310	181669
680-88832-7	ITW-13	Total/NA	Water	8310	181669
680-88832-8	ITW-14	Total/NA	Water	8310	181669
680-88832-8 - DL	ITW-14	Total/NA	Water	8310	181669
680-88832-9	Duplicate	Total/NA	Water	8310	181669
680-88832-12	Equipment Blank	Total/NA	Water	8310	181669
LCS 500-181669/2-A	Lab Control Sample	Total/NA	Water	8310	181669
LCSD 500-181669/3-A	Lab Control Sample Dup	Total/NA	Water	8310	181669
MB 500-181669/1-A	Method Blank	Total/NA	Water	8310	181669

Metals

Prep Batch: 271843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total Recoverable	Water	3005A	
680-88832-2	WMW-17E	Total Recoverable	Water	3005A	
680-88832-3	WMW-18E	Total Recoverable	Water	3005A	
680-88832-4	ESE-002	Total Recoverable	Water	3005A	
680-88832-5	ESE-004	Total Recoverable	Water	3005A	
680-88832-6	ESE-007	Total Recoverable	Water	3005A	
680-88832-7	ITW-13	Total Recoverable	Water	3005A	
LCS 680-271843/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-271843/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 272031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-8	ITW-14	Total Recoverable	Water	3005A	
680-88832-9	Duplicate	Total Recoverable	Water	3005A	
680-88832-12	Equipment Blank	Total Recoverable	Water	3005A	
LCS 680-272031/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-272031/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 272043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-1	ITW-1	Total Recoverable	Water	6010B	271843
680-88832-2	WMW-17E	Total Recoverable	Water	6010B	271843
680-88832-3	WMW-18E	Total Recoverable	Water	6010B	271843
680-88832-4	ESE-002	Total Recoverable	Water	6010B	271843
680-88832-5	ESE-004	Total Recoverable	Water	6010B	271843
680-88832-6	ESE-007	Total Recoverable	Water	6010B	271843
680-88832-7	ITW-13	Total Recoverable	Water	6010B	271843
LCS 680-271843/3-A	Lab Control Sample	Total Recoverable	Water	6010B	271843
MB 680-271843/1-A	Method Blank	Total Recoverable	Water	6010B	271843

Analysis Batch: 272276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-8	ITW-14	Total Recoverable	Water	6010B	272031
680-88832-9	Duplicate	Total Recoverable	Water	6010B	272031
680-88832-12	Equipment Blank	Total Recoverable	Water	6010B	272031

Metals (Continued)

Analysis Batch: 272276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-272031/3-A	Lab Control Sample	Total Recoverable	Water	6010B	272031
MB 680-272031/1-A	Method Blank	Total Recoverable	Water	6010B	272031

Analysis Batch: 272407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88832-8	ITW-14	Total Recoverable	Water	6010B	272031
680-88832-9	Duplicate	Total Recoverable	Water	6010B	272031
680-88832-12	Equipment Blank	Total Recoverable	Water	6010B	272031
LCS 680-272031/3-A	Lab Control Sample	Total Recoverable	Water	6010B	272031
MB 680-272031/1-A	Method Blank	Total Recoverable	Water	6010B	272031

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ITW-1

Lab Sample ID: 680-88832-1

Date Collected: 03/28/13 09:00

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 18:01	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	271889	04/04/13 17:59	LEG	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 11:42	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:16	BCB	TAL SAV

Client Sample ID: WMW-17E

Lab Sample ID: 680-88832-2

Date Collected: 03/28/13 10:40

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 18:22	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	271889	04/04/13 18:28	LEG	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 12:23	SAW	TAL CHI
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 12:23	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:23	BCB	TAL SAV

Client Sample ID: WMW-18E

Lab Sample ID: 680-88832-3

Date Collected: 03/28/13 11:30

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 19:06	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	271889	04/04/13 18:56	LEG	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 13:04	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:29	BCB	TAL SAV

Client Sample ID: ESE-002

Lab Sample ID: 680-88832-4

Date Collected: 03/28/13 11:30

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 18:44	AJMC	TAL SAV

Client Sample ID: ESE-002

Lab Sample ID: 680-88832-4

Date Collected: 03/28/13 11:30

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	271889	04/04/13 19:24	LEG	TAL SAV
Total/NA	Prep	3510C	DL		181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310	DL	5	181915	04/08/13 15:45	SAW	TAL CHI
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 13:46	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:36	BCB	TAL SAV

Client Sample ID: ESE-004

Lab Sample ID: 680-88832-5

Date Collected: 03/28/13 14:45

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 19:49	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	271889	04/04/13 19:52	LEG	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 14:27	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:42	BCB	TAL SAV

Client Sample ID: ESE-007

Lab Sample ID: 680-88832-6

Date Collected: 03/28/13 15:30

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 19:28	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	272109	04/05/13 15:16	SMC	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/05/13 15:08	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:49	BCB	TAL SAV

Client Sample ID: ITW-13

Lab Sample ID: 680-88832-7

Date Collected: 03/28/13 16:15

Matrix: Water

Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	272295	04/08/13 18:38	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		20	272109	04/05/13 16:42	SMC	TAL SAV

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: ITW-13

Lab Sample ID: 680-88832-7

Date Collected: 03/28/13 16:15
Date Received: 03/29/13 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		5	181915	04/08/13 11:38	SAW	TAL CHI
Total Recoverable	Prep	3005A			271843	04/04/13 08:33	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272043	04/04/13 21:55	BCB	TAL SAV

Client Sample ID: ITW-14

Lab Sample ID: 680-88832-8

Date Collected: 03/28/13 17:00
Date Received: 03/29/13 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	272094	04/05/13 13:58	JD	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		20	272432	04/08/13 15:32	LEG	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		5	181915	04/08/13 13:00	SAW	TAL CHI
Total/NA	Prep	3510C	DL		181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310	DL	10	181915	04/08/13 13:42	SAW	TAL CHI
Total Recoverable	Prep	3005A			272031	04/05/13 09:31	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272276	04/06/13 20:28	BCB	TAL SAV
Total Recoverable	Prep	3005A			272031	04/05/13 09:31	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272407	04/08/13 20:31	BCB	TAL SAV

Client Sample ID: Duplicate

Lab Sample ID: 680-88832-9

Date Collected: 03/28/13 10:40
Date Received: 03/29/13 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	272295	04/08/13 18:15	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	272109	04/05/13 15:46	SMC	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/08/13 14:23	SAW	TAL CHI
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/08/13 14:23	SAW	TAL CHI
Total Recoverable	Prep	3005A			272031	04/05/13 09:31	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272276	04/06/13 20:33	BCB	TAL SAV
Total Recoverable	Prep	3005A			272031	04/05/13 09:31	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272407	04/08/13 20:37	BCB	TAL SAV

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Client Sample ID: Trip Blank (Lot # 031813)

Lab Sample ID: 680-88832-10

Date Collected: 03/28/13 00:00
Matrix: Water
Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 16:55	AJMC	TAL SAV

Client Sample ID: Trip Blank (Lot # 031813)

Lab Sample ID: 680-88832-11

Date Collected: 03/28/13 00:00
Matrix: Water
Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 17:17	AJMC	TAL SAV

Client Sample ID: Equipment Blank

Lab Sample ID: 680-88832-12

Date Collected: 03/28/13 18:00
Matrix: Water
Date Received: 03/29/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	271921	04/04/13 17:39	AJMC	TAL SAV
Total/NA	Prep	3520C			271315	03/30/13 15:31	RBS	TAL SAV
Total/NA	Analysis	8270C		1	272109	04/05/13 16:14	SMC	TAL SAV
Total/NA	Prep	3510C			181669	04/02/13 14:01	SCH	TAL CHI
Total/NA	Analysis	8310		1	181915	04/08/13 15:04	SAW	TAL CHI
Total Recoverable	Prep	3005A			272031	04/05/13 09:31	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272276	04/06/13 20:39	BCB	TAL SAV
Total Recoverable	Prep	3005A			272031	04/05/13 09:31	BB	TAL SAV
Total Recoverable	Analysis	6010B		1	272407	04/08/13 20:42	BCB	TAL SAV

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Serial Number 67001

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

☑ 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 1st Qtr	PROJECT NO.: 05791.017.001	PROJECT LOCATION (STATE): FL
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Mark Taylor	CLIENT PHONE: 904 557 8353	CLIENT FAX:
CLIENT NAME: Cabot	CLIENT E-MAIL: Mark.Taylor@westonsolutions.com	
CLIENT ADDRESS: 94072 Summer Breeze Drive Fernandina Beach, FL		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 OF

STANDARD REPORT DELIVERY ◯ DATE DUE 2 weeks

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

Matrix type columns: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

Required analysis (preservative): VOCs 8260 (HCl); SVOCs 8270 Select (None); PAHs 8310 (None); Metals Total As+Cr (HNO_3)

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	C/G	AQUEOUS	SOLID	AIR	NONAQUEOUS	VOCs 8260	SVOCs 8270 Select	PAHs 8310	Metals Total As+Cr						REMARKS
3/28/13	0900	FTW-1						3	2	2	1						
3/28/13	1040	WMW-17E						3	2	2	1						
3/28/13	1130	WMW-18E						3	2	2	1						
3/28/13	1130	ESE-002						3	2	2	1						
3/28/13	1445	ESE-004						3	2	2	1						
3/28/13	1530	ESE-007						3	2	2	1						
3/28/13	1615	ITW-13						3	2	2	1						
3/28/13	1700	FTW-14						3	2	2	1						
3/28/13	1040	Duplicate						3	2	2	1						
3/28/13		Trip Blank						3									
3/28/13		Trip Blank						3									
3/28/13	1800	Equipment Blank						3	2	2	1						

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/28/13	1830						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY 68000815

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	3/29/13	0945	YES ◯ NO ◯		680-88832	0.4 / 0.4 / 0.2 / 0.6 / 0.4 / 0.2 / 0.2

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-88832-1

Login Number: 88832

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?	True	
There are no discrepancies between the containers received and the COC.	True	
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	

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-88832-1

Login Number: 88832
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago
List Creation: 03/30/13 10:04 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
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.	True	

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

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
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-13
California	NELAP	9	01132CA	04-30-13
Georgia	State Program	4	N/A	04-30-13

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Cabot 1st Quarter - 2013

TestAmerica Job ID: 680-88832-1

Laboratory: TestAmerica Chicago (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	939	04-30-13
Hawaii	State Program	9	N/A	04-30-13
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-13
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-13
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	04-30-13
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAP	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	04-30-13

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
ITW-1	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	Acenaphthene	0.67	ND	0.72	0.6	0.19	0.50	0.47	ND	ND	ND	ND
ITW-1	Anthracene	ND	ND	ND	ND	ND	0.079	0.044	ND	ND	ND	ND
ITW-1	Fluorene	0.9	0.54	0.81	0.49	0.32	0.31	0.37	ND	ND	ND	ND
ITW-1	Naphthalene	ND	ND	ND	ND	ND	ND	1.60	ND	ND	ND	ND
ITW-1	Phenanthrene	ND	ND	ND	ND	ND	0.045	ND	ND	ND	ND	ND
ITW-1	1- Methylnaphthalene	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND	ND
ITW-1	2- Methylnaphthalene	ND	ND	ND	ND	ND	0.66	ND	ND	ND	ND	ND
ITW-2	Benzene	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND
ITW-2	Total Xylenes	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND
ITW-2	Acenaphthene	ND	0.66	1.3	0.8	0.12	67	ND	ND	ND	ND	ND
ITW-2	Anthracene	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND
ITW-2	Fluoranthene	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
ITW-2	Fluorene	0.98	1	1.6	1.3	0.61	52	0.19	ND	0.56	ND	0.52
ITW-2	Naphthalene	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND
ITW-2	Phenanthrene	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND
ITW-2	Pyrene	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND
ITW-2	2- Methylnaphthalene	ND	ND	ND	ND	ND	58	ND	ND	ND	ND	ND
ITW-2	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ITW-13	Benzene	82	85	55	120	61	72	ND	63	ND	ND	ND
ITW-13	2 Butanone (MEK)											NA
ITW-13	Toluene	460	430	250	350	250	300	350	230	190	170	170
ITW-13	Ethylbenzene	320	300	220	370	240	240	260	250	190	230	240
ITW-13	2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ITW-13	4-Methyl-2-Pentanone (MIBK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ITW-13	Total Xylenes	208	174	116	255	154	135	144	150	120	150	140
ITW-13	Acenaphthene	ND	0.52	ND	ND	0.17	ND	ND	ND	ND	ND	ND
ITW-13	Acenaphthylene	56	24	ND	ND	13	1.2	12	ND	ND	ND	9.8
ITW-13	Anthracene	ND	ND	ND	ND	0.0084	ND	ND	ND	ND	ND	ND
ITW-13	Benzo (a) anthracene	ND	ND	ND	ND	0.012	ND	ND	ND	ND	ND	ND
ITW-13	Benzo (b) fluoranthene	ND	ND	ND	ND	0.031	ND	ND	ND	ND	ND	ND
ITW-13	Fluorene	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Naphthalene	84	55	80	35	28	36	34	ND	24	23	21
ITW-13	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	0.043	ND	ND	ND	ND	ND	ND
ITW-13	1- Methylnaphthalene	2.5	4.3	ND	3	1.2	ND	ND	ND	ND	ND	ND
ITW-13	2- Methylnaphthalene	5.8	5.5	ND	3.4	2.4	1.5	0.99	ND	ND	ND	1.6
ITW-13	Phenol	9000	4100	2000	5800	7700	4200	10000	5300	2400	ND	940
ITW-13	2,4- Dimethylphenol	3000	3300	2600	2000	2800	2200	2700	2900	1800	990	2600
ITW-13	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	1800	440	1700
ITW-13	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	6000	950	2700
ITW-13	Arsenic	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND
ITW-13	Chromium	22	ND	ND	ND	12	ND	ND	ND	14	ND	ND
ITW-14	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-14	Benzene	ND	ND	30	45	31	43	ND	33	26	ND	ND
ITW-14	Toluene	490	360	590	880	540	730	300	630	440	470	380
ITW-14	Ethylbenzene	130	120	120	210	140	140	ND	150	110	130	110
ITW-14	Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ITW-14	Total Xylenes	468	345	395	624	389	444	ND	470	320	440	330
ITW-14	Acenaphthene	170	66	34	36	240	77	4.8	60	ND	ND	ND
ITW-14	Acenaphthylene	1000	440	ND	76	1000	370	83	ND	ND	ND	420
ITW-14	Anthracene	44	12	ND	9.1	76	0.30	2.7	ND	ND	ND	26.0
ITW-14	Benzo (a) anthracene	180	51	ND	3.8	ND	ND	ND	ND	ND	ND	ND
ITW-14	Benzo (a) pyrene	7.3	1.1	ND	ND	17	ND	ND	ND	ND	ND	ND
ITW-14	Benzo (b) fluoranthene	60	4.8	ND	ND	120	75	ND	ND	ND	ND	ND
ITW-14	Benzo (g,h,i) perylene	ND	ND	ND	ND	8.1	3.8	ND	ND	ND	ND	ND
ITW-14	Benzo (k) flouranthene	ND	ND	ND	ND	24	16	ND	ND	ND	ND	ND
ITW-14	Chrysene	260	56	ND	4	ND	28	ND	ND	900	ND	170
ITW-14	Dibenzo (a,h) anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-14	Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	34	24	ND	ND	ND	ND	ND
ITW-14	Fluoranthene	120	52	ND	17	ND	260	ND	ND	ND	ND	ND
ITW-14	Fluorene	230	99	ND	20	350	260	20	ND	ND	ND	ND
ITW-14	Naphthalene	520	310	460	200	930	1000	170	530	ND	ND	400
ITW-14	Phenanthrene	190	43	42	69	480	240	20	120	210	ND	140
ITW-14	Pyrene	7.3	11	ND	13	ND	24	ND	ND	ND	ND	ND
ITW-14	1- Methylnaphthalene	300	130	300	140	410	230	41	350	ND	ND	170
ITW-14	2- Methylnaphthalene	180	150	220	200	1200	690	60	470	ND	ND(J)	250
ITW-14	Total Potentially Carcinogenic PAHs	507.3	112.9	ND	7.8	195	143	0	0	900	0	170
ITW-14	Phenol	ND	140	ND	280	ND	1100	ND	750	ND	290	ND
ITW-14	2,4- Dimethylphenol	1800	1900	4700	2000	8400	ND	2600	4600	1800	4400	1900
ITW-14	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	1800	2200	640
ITW-14	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	3500	2700	1000
ITW-14	Arsenic	21	16	14	15	12	ND	11	ND	ND	ND	ND
ITW-14	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Acenaphthene	ND	ND	0.37	0.26	ND	0.30	ND	ND	ND	ND	ND
WMW-17E	Acenaphthylene	ND	ND	ND	ND	0.14	0.48	ND	ND	ND	ND	ND
WMW-17E	Anthracene	ND	ND	ND	ND	ND	0.010	ND	ND	ND	ND	ND
WMW-17E	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Naphthalene	ND	ND	ND	ND	ND	0.40	ND	ND	ND	ND	ND
WMW-17E	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	1- Methylnaphthalene	ND	ND	ND	ND	ND	0.089	ND	ND	ND	ND	ND
WMW-17E	2- Methylnaphthalene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND
WMW-17E	2,4- Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	PCP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-18E	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-18E	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-18E	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WELL DESIGNATION	PARAMETERS	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
ITW-1	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-1	1- Methylnaphthalene	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	+	ND
ITW-2	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	+	ND
ITW-2	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Naphthalene	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	2- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-2	Chromium	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND
ITW-13	Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
ITW-13	Benzene	58	64	88	81	87	81	88	81	74	100	73	86	93	91	88	86	98	67
ITW-13	2 Butanone (MEK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
ITW-13	Toluene	270	280	280	310	290	310	440	390	280	420	320	330	290	370	330	310	260	170
ITW-13	Ethylbenzene	260	260	280	280	300	270	270	260	270	350	320	290	220	280	310	300	170	140
ITW-13	2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	ND	ND	ND	ND
ITW-13	Total Xylenes	160	160	190	190	190	180	180	170	160	210	200	180	120	170	180	180	98	85
ITW-13	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Benzo (a) anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Benzo (b) fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Naphthalene	31	54	48	45	26	ND	45	71	41	53	38	50	37	19	24	29	14	13
ITW-13	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ITW-13	1- Methylnaphthalene	ND	2.7	4.6	3.3	ND	ND	5.8	ND	2.3	3.3	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	2- Methylnaphthalene	ND	4.1	3.9	3.7	ND	ND	3.4	ND	2.4	3.9	ND	ND	ND	ND	ND	ND	ND	ND
ITW-13	Phenol	5200	6200	13000	8800	4600	1500	3100	6100	6300	5900	8300	8100	7800	4700	7500	5100	8300	4300
ITW-13	2,4- Dimethylphenol	2200	1800	3100	2600	1900	830	1800	2200	2000	2300	2400	3300	2000	2000	2900	2200	2400	2400
ITW-13	2- Methylphenol	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ITW-13	Arsenic	ND	10	ND	ND	ND	ND	ND	ND	ND	12	10	ND	ND	ND	ND	ND	ND	ND
ITW-13	Chromium	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-14	Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
ITW-14	Benzene	ND	25	31	57	47	26	ND	ND	39	46	28	32	42	54	41	35	55	51
ITW-14	Toluene	350	440	420	790	650	230	670	500	580	700	430	380	610	830	580	470	770	650
ITW-14	Ethylbenzene	94	120	120	210	150	97	200	120	160	160	120	110	150	190	180	130	200	190
ITW-14	Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
ITW-14	Total Xylenes	270	320	350	620	470	280	640	380	470	480	380	320	420	560	470	370	560	570
ITW-14	Acenaphthene	ND	ND	ND	23	250	ND	ND	ND	ND	17	ND	ND	ND	160	ND	ND	6	30
ITW-14	Acenaphthylene	ND	ND	ND	480	610	320	240	**4900	ND	380	260	560	490	990	140	1700	64	300
ITW-14	Anthracene	3.2	3.0	3.0	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-14	Benzo (a) anthracene	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
ITW-14	Benzo (a) pyrene	4.6	5.7	1.8	3.7	ND	ND	0.57	**45	ND	5	ND	12	ND	49	ND	61	ND	24
ITW-14	Benzo (b) fluoranthene	ND	ND	1.3	23	120	ND	27	**1300	1.2	15	13	31	ND	150	8.3	400	ND	35
ITW-14	Benzo (g,h,i) perylene	11.0	10.0	2.3	12.0	ND	ND	3.6	**300	ND	ND	ND	ND	ND	ND	ND	220.0	ND	ND
ITW-14	Benzo (k) flouranthene	9.5	11	2.6	9.5	ND	ND	8.4	**320	ND	ND	ND	ND	ND	ND	ND	86	ND	10
ITW-14	Chrysene	5.7	ND	4.7	14.0	ND	ND	41	**1500	4	ND	16	79	ND	350	22	1500	ND	100
ITW-14	Dibenzo (a,h) anthracene	3.3	3.8	3.6	6.2	ND	ND	ND	**120	ND	ND	ND	ND	ND	ND	ND	130	ND	8.3
ITW-14	Indeno(1,2,3-cd)pyrene	0.7	0.73	ND	3	ND	ND	4	**250	ND	ND	ND	ND	ND	13	ND	58	ND	4
ITW-14	Fluoranthene	140	180	60	ND	500	ND	190	**10000	19	150	79	300	29	1300	76	4000	8.4	310
ITW-14	Fluorene	ND	ND	52.0	67.0	140	ND	61	**2400	ND	71	36	79	34	220	19	830	8.3	86
ITW-14	Naphthalene	ND	ND	210	230	250	260	250	**3000	120	200	260	250	210	490	110	1100	43	260
ITW-14	Phenanthrene	ND	ND	11	20	ND	ND	30	**1400	ND	29	15	ND	ND	210	13	620	ND	49
ITW-14	Pyrene	23	23	8.8	12	260	ND	ND	ND	ND	22	ND	ND	ND	230	ND	ND	ND	ND
ITW-14	1- Methylnaphthalene	ND	ND	110	150	310	83	160	**4300	36	170	150	180	160	990	98	2800	25	230
ITW-14	2- Methylnaphthalene	ND	ND	91	100	200	97	120	**4200	60	80	130	190	160	600	70	1500	32	230
ITW-14	Total Potentially Carcinogenic PAHs	26.6	24.6	15	61.3	120	0	84.07	0.00	5.1	20	29	122	0	601	30	2435	0	189
ITW-14	Phenol	ND	ND	220	640	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-14	2,4- Dimethylphenol	2700	3000	4300	4800	4900	11000	3900	1700	2600	3900	6100	4000	4500	6000	8100	4100	5200	4600
ITW-14	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ITW-14	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ITW-14	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ITW-14	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	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
WMW-17E	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Acenaphthylene	ND	ND	ND	ND	ND	2.3	2.5	ND	ND	5.7	ND	ND	2.7	ND	ND	ND	ND	ND
WMW-17E	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	2.5	1.6	1.7	ND	ND	ND	ND	ND
WMW-17E	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	1- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	2	ND	1.1	ND	ND	ND	ND	ND
WMW-17E	2- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	2,4- Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
WMW-17E	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-17E	Chromium	ND	ND	12	11	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
WMW-18E	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
WMW-18E	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WELL DESIGNATION	PARAMETERS	Jun-10	Spet-10	Dec-10	Mar-11	Jun-11	Aug-11	Nov-11	Mar-12	Jun-12	Aug-12	Dec-12	Mar-13	ROD cleanup goal
ITW-1	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ITW-1	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
ITW-1	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
ITW-1	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
ITW-1	Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18
ITW-1	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ITW-1	1- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-1	2- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-2	Benzene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	1
ITW-2	Total Xylenes	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	*
ITW-2	Acenaphthene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	260
ITW-2	Anthracene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	1,310
ITW-2	Fluoranthene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	*
ITW-2	Fluorene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	323
ITW-2	Naphthalene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	18
ITW-2	Phenanthrene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	130
ITW-2	Pyrene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	130
ITW-2	2- Methylnaphthalene	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	*
ITW-2	Chromium	ND	ND	Dry	ND	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	*100
ITW-13	Acetone	260	280	700	430	600	950	280	490	1100	1400	860	260	*
ITW-13	Benzene	78	93	83	80	110	79	70	75	130	78	91	75	1
ITW-13	2 Butanone (MEK)	160	140	340	210	320	240	180	260	450	250	240	ND	*
ITW-13	Toluene	260	330	400	350	550	360	490	680	1600	560	570	440	*
ITW-13	Ethylbenzene	260	350	280	260	380	240	250	250	480	250	340	300	*
ITW-13	2-Hexanone	46	46	61	ND	66	ND	ND	ND	ND	ND	ND	ND	*
ITW-13	4-Methyl-2-Pentanone (MIBK)	ND	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ITW-13	Total Xylenes	170	190	160	160	210	150	150	180	310	140	ND	170	*
ITW-13	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
ITW-13	Acenaphthylene	ND	ND	ND	ND	17	84	37	54	47	ND	26	24	130
ITW-13	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,310
ITW-13	Benzo (a) anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-13	Benzo (b) fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-13	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	323
ITW-13	Naphthalene	39	40	40	36	25	53	27	35	250	62	53	49	18
ITW-13	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ITW-13	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
ITW-13	1- Methylnaphthalene	ND	ND	ND	ND	ND	18	ND	ND	NS	NS	NS	NS	*
ITW-13	2- Methylnaphthalene	ND	ND	ND	ND	ND	24	ND	ND	NS	NS	NS	NS	*
ITW-13	Phenol	5100	3000	8700	4400	7000	4700	3700	6300	3400	4000	4200	1300	2630
ITW-13	2,4- Dimethylphenol	2200	2200	2100	2000	2800	2200	2200	3500	2100	2000	2900	2000	*
ITW-13	2- Methylphenol	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	NS	NS	NS	NS	*
ITW-13	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
ITW-13	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
ITW-14	Acetone	ND	230	160	ND	200	ND	ND	ND	ND	ND	ND	ND	*
ITW-14	Benzene	46	48	47	33	33	38	45	47	19	15	26	34	1
ITW-14	Toluene	640	870	800	550	570	560	710	900	290	220	560	560	*
ITW-14	Ethylbenzene	200	230	190	160	150	180	180	250	75	69	160	150	*
ITW-14	Styrene	22	ND	22	23	ND	29	29	ND	9.6	9.7	ND	ND	*
ITW-14	Total Xylenes	520	660	550	450	420	500	530	790	260	240	470	450	*
ITW-14	Acenaphthene	ND	820	ND	55	ND	ND	ND	ND	ND	ND	ND	ND	260
ITW-14	Acenaphthylene	890	2600	730	210	270	300	490	660	130	80	220	300	130
ITW-14	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1310
ITW-14	Benzo (a) anthracene	64.0	84.0	35.0	ND	ND	5.6	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Benzo (a) pyrene	6.7	120.0	45.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Benzo (b) fluoranthene	73	490	110	ND	15.0	ND	24	ND	ND	ND	ND	ND	PAH
ITW-14	Benzo (g,h,i) perylene	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*
ITW-14	Benzo (k) flouranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Chrysene	250	800	620	ND	85.0	10	120	130	39	70	74	35	PAH
ITW-14	Dibenzo (a,h) anthracene	4.4	78	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Indeno(1,2,3-cd)pyrene	3.4	33.0	ND	ND	4.5	ND	ND	ND	ND	ND	ND	ND	PAH
ITW-14	Fluoranthene	420	3000	1100	31	280	44p	190	320	45	70	39	30	*
ITW-14	Fluorene	120	710	300	19	58	ND	35	78	ND	ND	18	17	323
ITW-14	Naphthalene	340	980	420	180	180	160	170	200	500	40	190	210	18
ITW-14	Phenanthrene	68	450	210	ND	48.0	10.0	33.0	60.0	12.0	16.0	11	7.4	130
ITW-14	Pyrene	280	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
ITW-14	1- Methylnaphthalene	360	1900	640	65	200	75	270	280	NS	NS	NS	NS	*
ITW-14	2- Methylnaphthalene	290	1100	360	50	110	82	110	190	NS	NS	NS	NS	*
ITW-14	Total Potentially Carcinogenic PAHs	401.5	1605	850	ND	105	15.6	144.0	130.0	39.0	70.0	74	35	0.003
ITW-14	Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,630
ITW-14	2,4- Dimethylphenol	6100	3500	4100	1900	ND	2800	ND	ND	890	640	1900	2400	*
ITW-14	2- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*
ITW-14	3&4- Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*
ITW-14	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	50
ITW-14	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
WMW-17E	Benzene	ND	ND	ND	ND	ND	ND	ND	1.1	2.1	1.5	ND	ND	1
WMW-17E	Ethylbenzene	ND	ND	ND	ND	ND	3.0	ND	ND	4.0	2.7	ND	ND	*
WMW-17E	Toluene	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	*
WMW-17E	Total Xylenes	ND	ND	2.9	2.9	ND	7.8	3.7	5.5	3.3	ND	2	ND	*
WMW-17E	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
WMW-17E	Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	3.6	5.0	1.3	1.4	ND	130
WMW-17E	Anthracene	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	323
WMW-17E	Naphthalene	ND	1.2	ND	1.4	ND	3.2	ND	3.3	29 E	4.0	17	2.5	18
WMW-17E	Phenanthrene	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	130
WMW-17E	Total Potentially Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
WMW-17E	1- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	1.0	NS	NS	NS	NS	*
WMW-17E	2- Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	*
WMW-17E	2,4- Dimethylphenol	ND	ND	13	ND	ND	43	23	ND	ND	ND	ND	ND	*
WMW-17E	PCP	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	2,630
WMW-17E	Chromium	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*100
WMW-18E	Acetone	ND	ND	ND	ND	ND	58	ND	35	ND	ND	ND	ND	*
WMW-18E	Benzene	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	*

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	ROD cleanup goal
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	*
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	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	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	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	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	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	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	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	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	NS	NS	NS	NS	*
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	ND	NS	NS	NS	NS	*
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	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	ND	15.0	15.0	11.0	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	*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	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	61	130	ND	ND	240	ND	ND	ND	ND	*
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	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	*
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	*
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	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	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	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	*
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	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	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	*
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	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	ND	2.6	ND	**24**	**18**	ND	1.9	4.5	40	ND	3.2	3.2	18	ND	10p	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	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	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	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	*
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	*
ESE-002	Phenanthrene													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	130
ESE-002	Pyrene													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	ND	4.8	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	**0.21**	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	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	*
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	*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	ND	37	ND	*
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	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	*
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	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	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	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	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	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	*
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	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	*100
ESE-007	Acetone										NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	61	30	ND	ND	ND	160	130	36	25	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	**6.4**	**2.9**	**4.2**	**6.2**	**3.9**	**13.0**	**9.0**	**4.8**	**4.2**	**3.0**	**1**
ESE-007	2-Butanone (MEK)													NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	27.0	ND	ND	ND	ND	58.0	56	13	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	*
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	*
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	*
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	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	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	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	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	ND	**70**	2.6	ND	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	130
ESE-007	1-Methylnaphthalene	ND	ND	ND	0.58	ND	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	NS	NS	NS	NS	*
ESE-007	2-Methylnaphthalene	ND	ND	ND	0.54	ND	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	NS	NS	NS	NS	*
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	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	ND	ND	ND	ND	**2,630**
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	*
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	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	*
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	*
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	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	28	ND	ND	ND	ND	ND	ND	12	ND	**110**	12	13	ND	ND	ND	*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.