# RESULTS OF QUARTERLY GROUNDWATER SAMPLING CONDUCTED MARCH 17, 2010, FOR FIRST QUARTER, 2010

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

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**WESTON WORK ORDER NO. 05791.010.001.0001**

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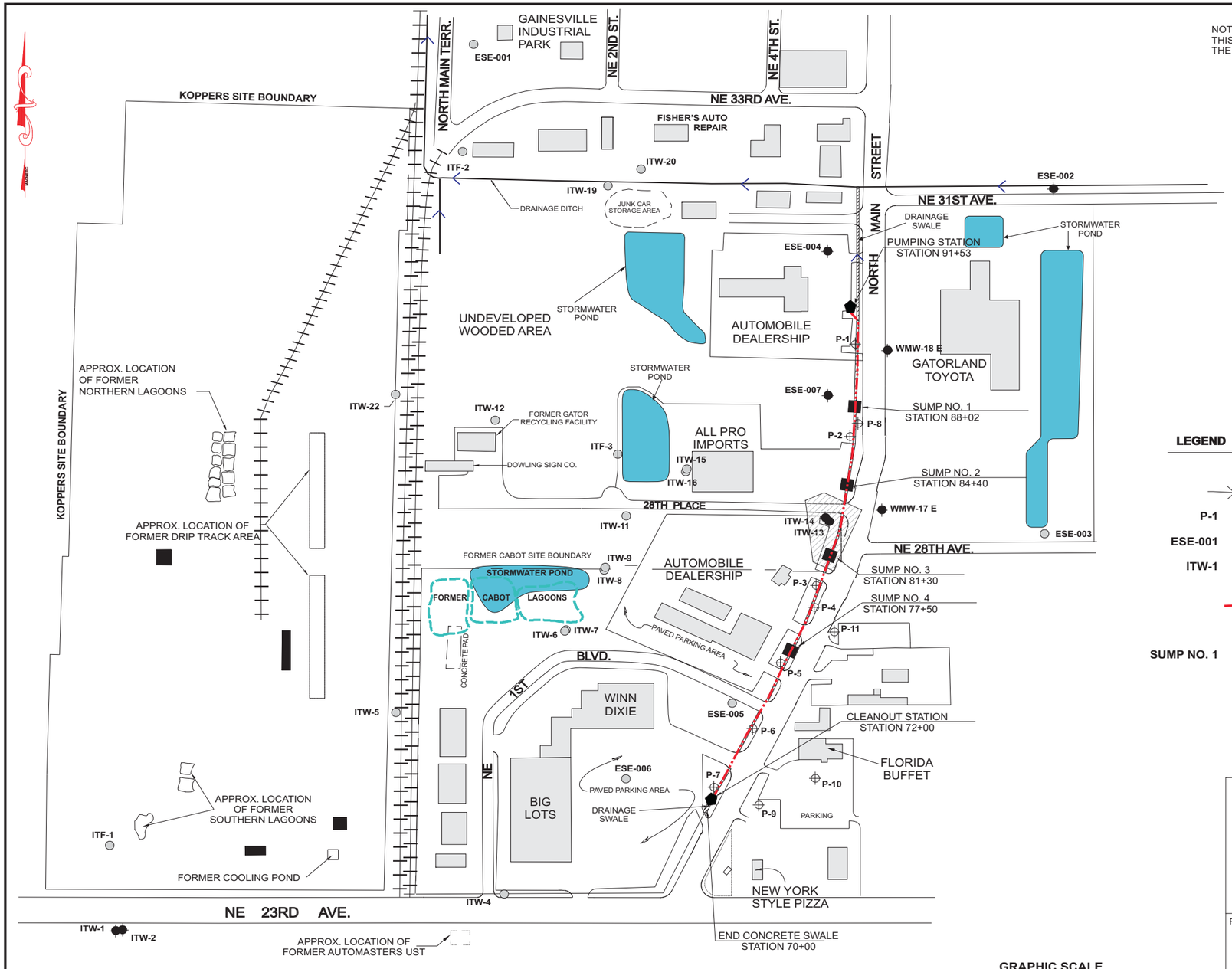
# SECTION 1

# BACKGROUND

The purpose of the first quarter 2010 sampling conducted by Weston Solutions, Inc., (WESTON®) is to evaluate the effectiveness of the groundwater collection system that has been installed along the border of the eastern portion of the Cabot Carbon/Koppers Superfund Site (Eastern Site) (Figure 1-1). The current post-remedial groundwater monitoring program for the Eastern Site includes sampling the following wells on a quarterly basis: ITW-13, ITW-14, WMW-17E, WMW-18E, ESE-002, ESE-004, ESE-007, and up-gradient monitoring wells ITW-1 and ITW-2. This report summarizes the results of the first quarter 2010 groundwater sampling event.




NOTE:
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**LEGEND**

- LOCATION AND FLOW DIRECTION OF DRAINAGE DITCH
- **P-1** PIEZOMETERS MONITORED FOR GROUNDWATER ELEVATION
- **ESE-001** WELLS MONITORED FOR GROUNDWATER ELEVATION
- **ITW-1** WELLS CURRENTLY SAMPLED QUARTERLY (ITW-1, ITW-2, ITW-13, ITW-14, ESE-002, ESE-004, ESE-007, WMW-17E, and WMW-18E)
- GROUNDWATER INTERCEPTOR TRENCH (RED)
- GROUNDWATER INTERCEPTOR TRENCH PUMPING STATION
- **SUMP NO. 1** SUMPS ACCESSING GROUNDWATER INTERCEPTOR TRENCH
- GROUNDWATER INTERCEPTOR TRENCH CLEANOUT STATION

**GRAPHIC SCALE**

0 400' 800'

**1" = 400 FEET**

WESTON SOLUTIONS

PROJECT TITLE:

CABOT CARBON/KOPPERS SITE
GAINESVILLE, ALACHUA COUNTY, FLORIDA
**SITE MAP**
FIGURE 1-1

| | | | | |
|---|---|---|---|---|
| DRAWN: E. Sandusky | DATE: June 09 | DES. ENG.: | DATE: | W.O. NO.: 05791.009.001.0001 |
| CHECKED: R. McKEEN | DATE: June 09 | APPROVED: | DATE: | FILE NAME: CABOTSITEMAP.CDR |

**K:\05791\009\Q209\CabotSiteMap.CDR**

## SECTION 2

## METHODOLOGY

Groundwater samples were collected from the Eastern Site monitoring wells by Weston Solutions, Inc. on March 17, 2010. The subject samples were analyzed for the parameters listed in Table 2-1. Physical parameter readings (e.g., specific conductance and temperature) measured during well sampling is provided in Appendix A of this report.

Chromium concentrations that have been periodically detected in samples from a few of the surficial aquifer monitoring wells are likely attributable to sediment in the samples, rather than actual chromium dissolved in the groundwater. For this reason, following the well purge and collection of samples for benzene, ethyl benzene, toluene and xylene (BETX), phenol, pentachlorophenol (PCP), and polynuclear aromatic hydrocarbons (PAHs) analyses, the sediment in the well was allowed time to settle prior to collection of the samples for metals analyses. This settling period did not exceed 24 hours for any well sampled.

**Table 2-1**

**Monitoring Wells Sampled and Corresponding Analytical Parameters,**
**First Quarter 2010**

| Groundwater | | | |
|---|---|---|---|
| **Aquifer** | **Wells Sampled** | **Parameters** | **Analytical Method** |
| Surficial | ITW-1, ITW-2, ESE-002, ESE-004, ESE-007, ITW-13, ITW-14, WMW-17E, and WMW-18E | Anthracene<br>Phenanthrene<br>Acenaphthylene<br>Acenaphthene<br>Fluorene<br>Pyrene<br>Naphthalene<br>Fluoranthene<br>Benzo(a)pyrene<br>Benzo(a)anthracene<br>Benzo(b)fluoranthene<br>Benzo(k)fluoranthene<br>Dibenzo(a,h)anthracene<br>Indeno(1,2,3-c,d)pyrene<br>Chrysene | 8310 |
| | | SVOCs (Phenol)<br>Pentachlorophenol (PCP) | 8270C |
| | | Arsenic<br>Chromium | 6010 |
| | | Benzene<br>Ethyl benzene<br>Toluene, & Xylene (BETX) | SW 846 8260B |

## SECTION 3

## WATER LEVEL MEASUREMENTS

To assist in evaluating the interceptor trench's effectiveness, water level measurements were collected on March 15, 2010, from 26 Eastern Site monitoring wells, 8 piezometers, and 4 sumps along the interceptor trench. Monitor wells/piezometer ITW-3, ITW-10, ITW-21, and P-1 were abandoned historically. Car dealership construction activities around surficial aquifer monitor wells ITW-15, ITW-16, and piezometer P8 have been completed and the wells/piezometer have been reconstructed with flush mounts/minor stickup surface completions. The wells/piezometer have been resurveyed to obtain corrected well casing elevations for precise water level elevation data. All other wells installed at the site are in good condition and, with the exception of abandoned monitor wells ITW-3, ITW-10, ITW-12, ITW-21, and piezometer P-1 are included in the water level measurements normally taken at the site. These wells are not included in the determination of the potentiometric surface.

Historically, wells ITW-17 and ITW-18 were replaced by WMW-17E and WMW-18E. A new car dealership (Gatorland Toyota) was developed in 2007 east of North Main Street in the vicinity of monitor wells WMW-17E and WMW-18E. The site development activities included raising this once low area to match the roadway elevations of North Main Street. Consequently, WMW-17E and WMW-18E were extended and a new concrete pad, bollards, and protective casing installed in February 2007. These wells have also been re-surveyed along with reconstructed wells/piezometer ITW-15, ITW-16, and P-8.

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 17, 2010.

## 3.1 SURFICIAL AQUIFER

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). Based on the March 2010 groundwater elevation data, the average hydraulic gradient in the southern portion of the Eastern Site is calculated to be approximately $3.61 \times 10^{-3}$ 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 $5.76 \times 10^{-3}$ 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.

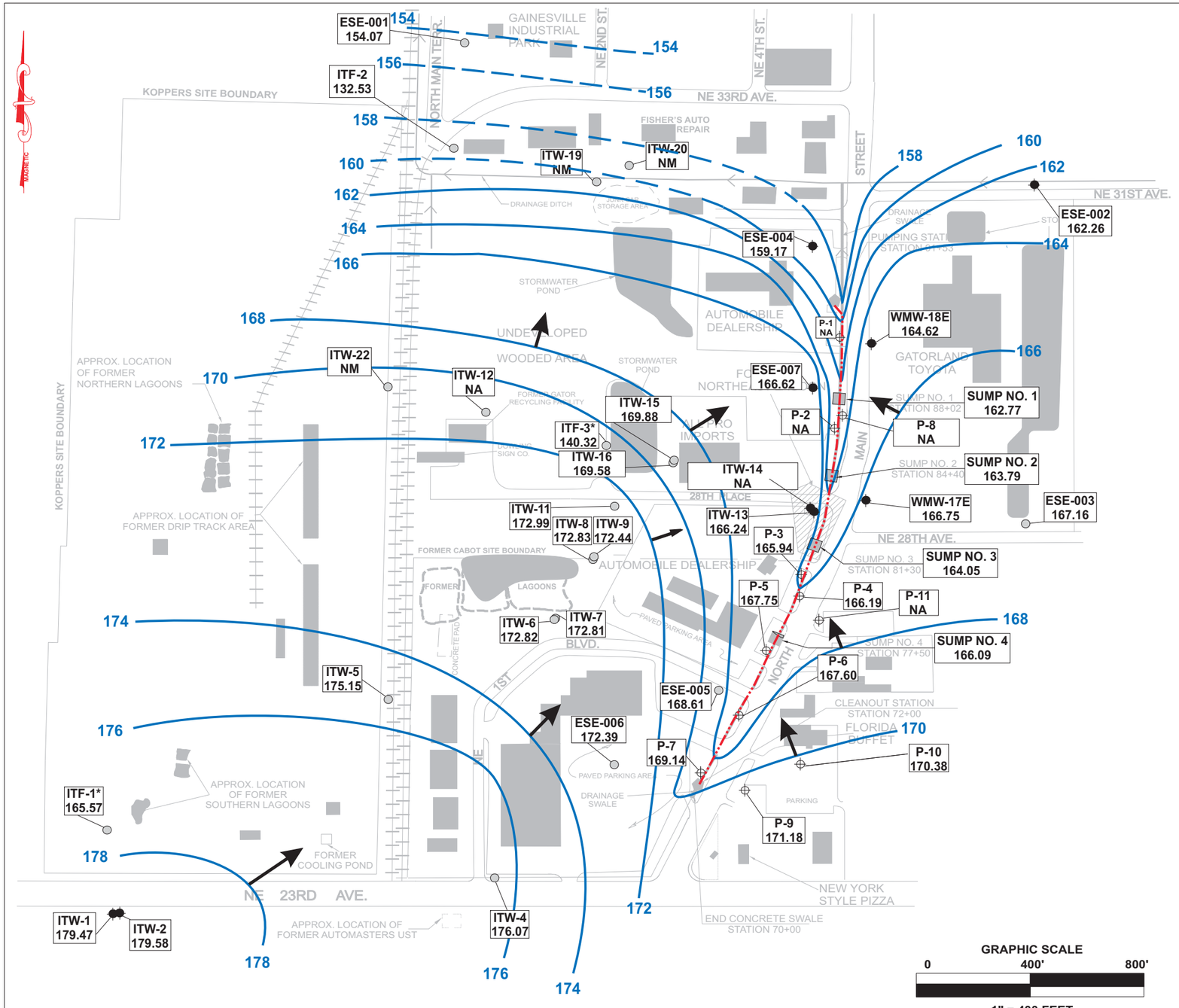
## 3.2 INTERMEDIATE AQUIFER

Based on 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 15, 2010, a head difference of approximately 32.67 feet was measured between surficial aquifer well ITW-11 and intermediate aquifer well ITF-3 (see Table 3-1).

**Table 3-1**
**Groundwater Depths and Elevations**
**March 2010 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 15, 2010 Field Measured Water Depth Below Top of Casing (Feet)[2] | Groundwater Elevation Feet (MSL) | Depth of Screened Interval[4] |
|---|---|---|---|---|
| ITW-1 | 188.47 | 9.00 | 179.47 | 15.50 - 25.50 |
| ITW-2 | 187.48 | 7.90 | 179.58 | 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 | 11.75 | 176.07 | 5.00 - 15.00 |
| ITW-5 | 185.34 | 10.19 | 175.15 | 19.00 - 24.00 |
| ITW-6 | 183.10 | 10.28 | 172.82 | 18.50 - 28.50 |
| ITW-7[5] | 182.97 | 10.16 | 172.81 | 8.50 - 18.50 |
| ITW-8 | 180.81 | 7.98 | 172.83 | 18.50 - 28.50 |
| ITW-9 | 180.30 | 7.86 | 172.44 | 8.00 - 18.00 |
| ITW-10 | Does not currently exist. | Does not currently exist. | Not measured | Does not currently exist. |
| ITW-11 | 180.91 | 7.92 | 172.99 | 6.00 - 16.00 |
| ITW-12 | Does not currently exist. | Does not currently exist. | Not measured | Does not currently exist. |
| ITW-13 | 174.14 | 7.90 | 166.24 | 23.00 - 33.00 |
| ITW-14[6] | 174.80 | Approx. 0.2 foot product | Not measured | 5.00 - 15.00 |
| ITW-15[7] | 175.90 | 6.02 | 169.88 | 20.00 - 30.00 |
| ITW-16[7] | 175.41 | 5.83 | 169.58 | 12.50 - 22.50 |
| ITW-19 | 169.74 | Site access not Available | Not measured | 11.00 - 31.00 |
| ITW-20 | 169.77 | Site access not Available | Not measured | 11.00 - 31.00 |
| ITW-21[5] | Does not currently exist. | Does not currently exist. | Not measured | Does not currently exist. |
| ITW-22[5] | 178.61 | Lock changed | Not measured | 3.00 - 13.00 |
| ESE-001 | 162.05 | 7.98 | 154.07 | 6.50 - 21.20 |
| ESE-002 | 169.08 | 6.82 | 162.26 | 8.00 - 23.00 |
| ESE-003 | 171.86 | 4.70 | 167.16 | 9.00 - 29.00 |
| ESE-004[5] | 166.69 | 7.52 | 159.17 | 6.50 - 21.50 |
| ESE-005 | 178.23 | 9.62 | 168.61 | 9.50 - 29.50 |
| ESE-006 | 180.39 | 8.00 | 172.39 | 7.50 - 27.50 |
| ESE-007 | 168.42 | 1.80 | 166.62 | 7.50 - 22.50 |
| WMW-17E[5] | 175.29 | 8.54 | 166.75 | 9.00 - 29.00 |
| WMW-18E | 172.92 | 8.30 | 164.62 | 9.00 - 29.00 |
| ITF-1 | 186.63 | 21.06 | 165.57 | 69.00 - 79.00 |
| ITF-2 | 168.95 | 36.42 | 132.53 | 71.00 - 81.00 |
| ITF-3 | 176.89 | 36.57 | 140.32 | 69.50 - 79.50 |
| P-1 | Does not currently exist. | Does not currently exist. | Not measured | Does not currently exist. |
| P-2 | 169.77 | Could not find | Not measured | 5.18 - 10.18 |
| P-3 | 171.05 | 5.11 | 165.94 | 5.00 - 10.00 |
| P-4 | 172.26 | 6.07 | 166.19 | 5.00 - 10.00 |
| P-5 | 173.20 | 5.45 | 167.75 | 6.65 - 11.65 |
| P-6 | 177.07 | 9.47 | 167.60 | 7.50 - 12.50 |
| P-7 | 179.24 | 10.10 | 169.14 | 7.50 - 12.50 |
| P-8 | 168.44 | Could not find | Not measured | 5.00 - 10.00 |
| P-9 | 181.35 | 10.17 | 171.18 | 10.00 - 15.00 |
| P-10 | 180.23 | 9.85 | 170.38 | 10.00 - 15.00 |
| P-11 | 173.35 | Could not find | Not measured | 10.00 - 15.00 |
| Sump No. 1 | 168.95 | 6.18 | 162.77 | Sump |
| Sump No. 2 | 169.80 | 6.01 | 163.79 | Sump |
| Sump No. 3 | 170.94 | 6.89 | 164.05 | Sump |
| Sump No. 4 | 173.27 | 7.18 | 166.09 | Sump |

**Notes:** 1. Depths to water measured on March 15, 2010.
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 ground surface.
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

| | |
|---|---|
| P-1 | PIEZOMETERS MONOITORED 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 JUNE 15, 2009 |
| | 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. When bailed for sampling, the product thickness is estimated. During the November 2009 sampling event, product thickness in ITW-14 was measured at approximately 0.1 foot thick.

WESTON SOLUTIONS

PROJECT TITLE:
CABOT CARBON/KOPPERS SITE
GAINESVILLE, ALACHUA COUNTY, FLORIDA
**WATER TABLE ELEVATIONS IN THE SURFICIAL AQUIFER**
**March 15, 2010**
FIGURE 3-1

| | | | | |
|---|---|---|---|---|
| DRAWN: E. Sandusky | DATE: March 2010 | DES. ENG.: | DATE: | W.O. NO.: 05791.010.001.0001 |
| CHECKED: M. Taylor | DATE: march 2010 | APPROVED: | DATE: | FILE NAME: March_2010_POTMAP.CDR |

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## SECTION 4

## ANALYTICAL RESULTS

The laboratory analytical data package for the monitor well samples collected at the Eastern Site on March 17, 2010 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 data is provided in Appendix D. Discussion of the first quarter 2010 sampling results is provided below.

Neither arsenic nor chromium was detected in any well during the March 2010 sampling event. Historically, highly variable concentrations of arsenic and chromium have been reported for various wells for preceding quarters. These concentrations can ostensibly be attributed to turbidity in the wells.

Benzene concentrations exceeded the ROD cleanup goals of 1 µg/L in groundwater samples collected from ITW-13 (67 µg/L), ITW-14 (51 µg/L), and ESE-007 (2.6 µg/L). Naphthalene in ITW-14 (260 µg/L) exceeded the ROD cleanup goal of 18 µg/L. Acenaphthylene concentrations exceeded the ROD cleanup goal of 130 µg/L in ITW-14 (300 µg/L). Phenol concentrations exceeded the ROD cleanup goal of 2,630 µg/L in ITW-13 (4,300 µg/L).

Total combined potentially carcinogenic PAH's were detected in ITW-14 this quarter at 189 ug/L. The ROD cleanup goal is 0.003 µg/L for the combination of all potentially carcinogenic PAH's. Approximately 0.2 foot of free product was observed in monitoring well ITW-14 during the March 2010 sampling event. 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 25, 2010**

| Well Designation/ Screened Interval (feet) | Parameter | Results (µg/L) | RL (µg/L) | ROD Cleanup Goal (µg/L) |
|---|---|---|---|---|
| ITW-13 / 23-33 | Benzene | 67 | 2 | 1 |
| | Phenol | 4,300 | 510 | 2,630 |
| ITW-14 / 5-15 | Benzene | 51 | 5 | 1 |
| | Naphthalene | 260 | 20.0 | 18 |
| | Totaol Potentially Carcinogenic PAHs | 189 | 4.0 | 0.003 |
| ESE-007 / 7.5-22.5 | Benzene | 2.6 | 1 | 1 |

(µg/L) = micrograms per liter
RL = Report Limit
ROD = Record of Decision
* 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.

# SECTION 5

# FINDINGS

Based on the groundwater analytical data collected at the Eastern Site during the first quarter 2010 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, with the exceptions noted previously in Section 4.

The next quarterly groundwater-sampling event for the Eastern Site will occur about the third week of June 2010. The wells to be sampled in the second quarter 2010 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**
**Purge - March 16, 2010**
**Sample - March 17, 2010**

| 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 | Purge; 3/16/10 | 1210 | 0.75 | 21.00 | 4.94 | 94 | 2.61 | 12.70 | | |
| ITW-1 | Purge; 3/16/10 | 1215 | 1.50 | 21.05 | 4.90 | 94 | 0.62 | 25.00 | | |
| ITW-1 | Purge; 3/16/10 | 1220 | 2.25 | 21.14 | 4.52 | 30 | 0.41 | * | | |
| ITW-1 | Purge; 3/16/10 | 1230 | 3.25 | 21.09 | 4.84 | 96 | 0.49 | 1.18 | | |
| ITW-1 | Sample; 3/17/10 | 1100 | <.1 | 20.42 | 5.20 | 111 | 2.65 | 0.57 | NO | NO |
| ITW-2 | Purge; 3/16/10 | 1145 | 1.50 | 19.68 | 5.17 | 384 | 2.45 | 0.8 | | |
| ITW-2 | Purge; 3/16/10 | 1150 | 2.50 | 19.69 | 5.27 | 331 | 1.88 | 2.4 | | |
| ITW-2 | Purge; 3/16/10 | 1155 | 3.25 | 19.69 | 5.20 | 308 | 1.47 | 2.3 | | |
| ITW-2 | Purge; 3/16/10 | 1200 | 4.00 | 19.68 | 5.18 | 305 | 1.10 | 2.74 | NO | NO |
| ITW-2 | Sample; 3/17/10 | 1040 | <.1 | 19.40 | 5.28 | 420 | 1.94 | 19.00 | | |
| ESE-002 | Purge; 3/16/10 | 1415 | 0.75 | 22.01 | 4.97 | 60 | 0.66 | 7.1 | | |
| ESE-002 | Purge; 3/16/10 | 1420 | 1.50 | 21.85 | 4.97 | 61 | 0.43 | 4.1 | | |
| ESE-002 | Purge; 3/16/10 | 1425 | 2.25 | 21.77 | 4.76 | 62 | 0.37 | 3.1 | | |
| ESE-002 | Purge; 3/16/10 | 1430 | 3.50 | 21.73 | 4.68 | 60 | 0.35 | 4.4 | | |
| ESE-002 | Purge; 3/16/10 | 1435 | 4.00 | 21.77 | 4.78 | 66 | 0.32 | 3.4 | | |
| ESE-002 | Sample; 3/17/10 | 1220 | <.1 | 21.28 | 5.95 | 71 | 2.06 | 9.3 | NO | NO |
| ESE-004 | Purge; 3/16/10 | 1450 | 0.50 | 22.98 | 5.93 | 448 | 1.05 | 1.23 | | |
| ESE-004 | Purge; 3/16/10 | 1455 | 1.50 | 22.64 | 5.91 | 450 | 0.54 | 0.00 | | |
| ESE-004 | Purge; 3/16/10 | 1500 | 2.50 | 22.47 | 5.86 | 436 | 0.39 | 1.48 | | |
| ESE-004 | Sample; 3/17/10 | 1245 | <.1 | 22.51 | 5.95 | 426 | 2.04 | 1.66 | Dup | NO |
| ESE-007 | Purge; 3/16/10 | 1010 | 1.00 | 16.50 | 5.73 | 460 | 3.88 | 10.69 | | |
| ESE-007 | Purge; 3/16/10 | 1015 | 2.00 | 16.61 | 5.70 | 463 | 1.52 | 19.70 | | |
| ESE-007 | Purge; 3/16/10 | 1020 | 2.50 | 16.59 | 5.69 | 465 | 0.91 | 26.80 | | |
| ESE-007 | Purge; 3/16/10 | 1025 | 3.25 | 16.66 | 5.68 | 465 | 0.56 | 24.00 | | |
| ESE-007 | Sample; 3/17/10 | 0850 | <.1 | 15.64 | 5.78 | 451 | 3.70 | 23.60 | Equipment Blank | NO |
| ITW-13 | Purge; 3/16/10 | 1045 | 0.75 | 23.01 | 4.96 | 181 | 1.99 | 3.81 | | |
| ITW-13 | Purge; 3/16/10 | 1050 | 1.50 | 23.16 | 4.94 | 183 | 0.48 | 0.12 | | |
| ITW-13 | Purge; 3/16/10 | 1055 | 2.25 | 23.20 | 4.85 | 192 | 0.28 | 0.5 | | |
| ITW-13 | Purge; 3/16/10 | 1100 | 3.00 | 23.23 | 4.82 | 180 | 0.22 | 1.2 | | |
| ITW-13 | Purge; 3/16/10 | 1105 | 3.75 | 23.18 | 4.79 | 178 | 0.21 | 0.7 | | |
| ITW-13 | Sample; 3/17/10 | 0935 | <.1 | 22.62 | 4.91 | 165 | 2.58 | * | Tar/Foamy with Sheen | |
| ITW-14 | Purge; 3/16/10 | 1110 | 3.00 | | | | | | | |
| ITW-14 | Sample; 3/17/10 | 1005 | NA | | | | | | Yes/Tar | YES |
| WMW-17E | Purge; 3/16/10 | 1320 | 0.75 | 23.38 | 5.60 | 184 | 1.14 | 55.1 | | |
| WMW-17E | Purge; 3/16/10 | 1325 | 1.50 | 23.32 | 5.60 | 183 | 0.67 | 27.1 | | |
| WMW-17E | Purge; 3/16/10 | 1330 | 2.25 | 23.35 | 5.59 | 181 | 0.47 | 31.9 | | |
| WMW-17E | Sample; 3/17/10 | 1130 | <.1 | 22.30 | 5.62 | 188 | 1.82 | 6.7 | NO | NO |
| WMW-18E | Purge; 3/16/10 | 1350 | 0.75 | 22.53 | 5.46 | 391 | 1.23 | 19.5 | | |
| WMW-18E | Purge; 3/16/10 | 1355 | 1.50 | 22.54 | 5.45 | 386 | 0.46 | 5.0 | | |
| WMW-18E | Purge; 3/16/10 | 1400 | 2.50 | 22.63 | 5.45 | 389 | 0.31 | 2.6 | | |
| WMW-18E | Sample; 3/17/10 | 1155 | <.1 | 21.48 | 5.50 | 372 | 2.44 | 3.3 | NO | NO |

Notes: ºC = degrees Celsius; µS/cm = microSeimens per centimeter; mg/L = milligrams per liter, parts per million;
NTU = Nephlometric Turbidity Units
* Turbidity Meter Malfunction.

# APPENDIX B

# LABORATORY ANALYTICAL DATA PACKAGE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 680-55974-1

Job Description: Cabot

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

Attention: Mr. Mark Taylor

Approved for release.
Abbie G Yant
Project Manager I
3/30/2010 6:20 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
03/30/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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ACCREDITED IN ACCORDANCE WITH nelac

**Comments**
No additional comments.

**Receipt**
All samples were received in good condition within temperature requirements.

**GC/MS VOA**
Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 164051 had one analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 164239 had one analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCSD associated with batch 164239 had one analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**
Method(s) 8270C: Sample ITW-13 (680-55974-3), ITW-14 (680-55974-4) was diluted due to the abundance of target analytes. As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**HPLC**
Method(s) 8310: The following sample(s) were dark in color and were diluted before analysis in order to avoid any matrix effect on the instrument: ITW-13 (680-55974-3), ITW-14 (680-55974-4).

No other analytical or quality issues were noted.

**Metals**
No analytical or quality issues were noted.

**Organic Prep**
Method(s) 3520C: Insufficient sample volume was provided to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 105613 Method 8310.

No other analytical or quality issues were noted.

**VOA Prep**
No analytical or quality issues were noted.

# METHOD SUMMARY

Client: Weston Solutions, Inc. Job Number: 680-55974-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL SAV | SW846 8260B | |
| Purge and Trap | TAL SAV | | SW846 5030B |
| Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) | TAL SAV | SW846 8270C | |
| Liquid-Liquid Extraction (Continuous) | TAL SAV | | SW846 3520C |
| PAHs (HPLC) | TAL PEN | SW846 8310 | |
| Liquid-Liquid Extraction (Continuous) | TAL PEN | | SW846 3520C |
| Metals (ICP) | TAL SAV | SW846 6010B | |
| Preparation, Total Recoverable or Dissolved Metals | TAL SAV | | SW846 3005A |

**Lab References:**

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

**Method References:**

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

## SAMPLE SUMMARY

Client: Weston Solutions, Inc. Job Number: 680-55974-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 680-55974-1 | ITW-1 | Water | 03/17/2010 1105 | 03/18/2010 1149 |
| 680-55974-2 | ITW-2 | Water | 03/17/2010 1045 | 03/18/2010 1149 |
| 680-55974-3 | ITW-13 | Water | 03/17/2010 0940 | 03/18/2010 1149 |
| 680-55974-4 | ITW-14 | Water | 03/17/2010 1005 | 03/18/2010 1149 |
| 680-55974-5 | ESE-002 | Water | 03/17/2010 1225 | 03/18/2010 1149 |
| 680-55974-6 | ESE-004 | Water | 03/17/2010 1250 | 03/18/2010 1149 |
| 680-55974-7 | ESE-007 | Water | 03/17/2010 0855 | 03/18/2010 1149 |
| 680-55974-8 | WMW-17E | Water | 03/17/2010 1140 | 03/18/2010 1149 |
| 680-55974-9 | WMW-18E | Water | 03/17/2010 1200 | 03/18/2010 1149 |
| 680-55974-10 | Duplicate | Water | 03/17/2010 0000 | 03/18/2010 1149 |
| 680-55974-11 | Equipment Blank | Water | 03/17/2010 0940 | 03/18/2010 1149 |
| 680-55974-12 | TB-01 | Water | 03/17/2010 0000 | 03/18/2010 1149 |
| 680-55974-13 | TB-02 | Water | 03/17/2010 0000 | 03/18/2010 1149 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-1**

Lab Sample ID: 680-55974-1 Date Sampled: 03/17/2010 1105
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164051 | Instrument ID: MSP |
| Preparation: | 5030B | | Lab File ID: p0207.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/25/2010 1541 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/25/2010 1541 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | | 75 - 120 |
| Dibromofluoromethane | 102 | | 75 - 121 |
| Toluene-d8 (Surr) | 107 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-2**

Lab Sample ID: 680-55974-2 Date Sampled: 03/17/2010 1045
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164051 | Instrument ID: MSP |
| Preparation: | 5030B | | Lab File ID: p0209.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/25/2010 1611 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/25/2010 1611 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 98 | | 75 - 120 |
| Dibromofluoromethane | 102 | | 75 - 121 |
| Toluene-d8 (Surr) | 104 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-13**

Lab Sample ID: 680-55974-3 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0243.d |
| Dilution: | 2.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1839 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1839 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | 290 | | 50 |
| Benzene | 67 | | 2.0 |
| Bromoform | <2.0 | | 2.0 |
| Bromomethane | <2.0 | | 2.0 |
| 2-Butanone (MEK) | 180 | | 20 |
| Carbon disulfide | <4.0 | | 4.0 |
| Carbon tetrachloride | <2.0 | | 2.0 |
| Chlorobenzene | <2.0 | | 2.0 |
| Chlorodibromomethane | <2.0 | | 2.0 |
| Chloroethane | <2.0 | | 2.0 |
| Chloroform | <2.0 | | 2.0 |
| Chloromethane | <2.0 | | 2.0 |
| cis-1,3-Dichloropropene | <2.0 | | 2.0 |
| Dichlorobromomethane | <2.0 | | 2.0 |
| 1,1-Dichloroethane | <2.0 | | 2.0 |
| 1,2-Dichloroethane | <2.0 | | 2.0 |
| 1,1-Dichloroethene | <2.0 | | 2.0 |
| 1,2-Dichloropropane | <2.0 | | 2.0 |
| Ethylbenzene | 140 | | 2.0 |
| 2-Hexanone | 49 | | 20 |
| Methylene Chloride | <10 | | 10 |
| 4-Methyl-2-pentanone (MIBK) | <20 | | 20 |
| Styrene | <2.0 | | 2.0 |
| 1,1,2,2-Tetrachloroethane | <2.0 | | 2.0 |
| Tetrachloroethene | <2.0 | * | 2.0 |
| Toluene | 170 | | 2.0 |
| trans-1,2-Dichloroethene | <2.0 | | 2.0 |
| trans-1,3-Dichloropropene | <2.0 | | 2.0 |
| 1,1,1-Trichloroethane | <2.0 | | 2.0 |
| 1,1,2-Trichloroethane | <2.0 | | 2.0 |
| Trichloroethene | <2.0 | | 2.0 |
| Vinyl chloride | <2.0 | | 2.0 |
| Xylenes, Total | 85 | | 4.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 100 | | 75 - 120 |
| Dibromofluoromethane | 113 | | 75 - 121 |
| Toluene-d8 (Surr) | 96 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-14**

Lab Sample ID: 680-55974-4 Date Sampled: 03/17/2010 1005
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0242.d |
| Dilution: | 5.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1816 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1816 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | <120 | | 120 |
| Benzene | 51 | | 5.0 |
| Bromoform | <5.0 | | 5.0 |
| Bromomethane | <5.0 | | 5.0 |
| 2-Butanone (MEK) | <50 | | 50 |
| Carbon disulfide | <10 | | 10 |
| Carbon tetrachloride | <5.0 | | 5.0 |
| Chlorobenzene | <5.0 | | 5.0 |
| Chlorodibromomethane | <5.0 | | 5.0 |
| Chloroethane | <5.0 | | 5.0 |
| Chloroform | <5.0 | | 5.0 |
| Chloromethane | <5.0 | | 5.0 |
| cis-1,3-Dichloropropene | <5.0 | | 5.0 |
| Dichlorobromomethane | <5.0 | | 5.0 |
| 1,1-Dichloroethane | <5.0 | | 5.0 |
| 1,2-Dichloroethane | <5.0 | | 5.0 |
| 1,1-Dichloroethene | <5.0 | | 5.0 |
| 1,2-Dichloropropane | <5.0 | | 5.0 |
| Ethylbenzene | 190 | | 5.0 |
| 2-Hexanone | <50 | | 50 |
| Methylene Chloride | <25 | | 25 |
| 4-Methyl-2-pentanone (MIBK) | <50 | | 50 |
| Styrene | 31 | | 5.0 |
| 1,1,2,2-Tetrachloroethane | <5.0 | | 5.0 |
| Tetrachloroethene | <5.0 | * | 5.0 |
| Toluene | 650 | | 5.0 |
| trans-1,2-Dichloroethene | <5.0 | | 5.0 |
| trans-1,3-Dichloropropene | <5.0 | | 5.0 |
| 1,1,1-Trichloroethane | <5.0 | | 5.0 |
| 1,1,2-Trichloroethane | <5.0 | | 5.0 |
| Trichloroethene | <5.0 | | 5.0 |
| Vinyl chloride | <5.0 | | 5.0 |
| Xylenes, Total | 570 | | 10 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 107 | | 75 - 120 |
| Dibromofluoromethane | 102 | | 75 - 121 |
| Toluene-d8 (Surr) | 98 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-002**

Lab Sample ID: 680-55974-5 Date Sampled: 03/17/2010 1225
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164051 | Instrument ID: MSP |
| Preparation: | 5030B | | Lab File ID: p0211.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/25/2010 1641 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/25/2010 1641 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 95 | | 75 - 120 |
| Dibromofluoromethane | 102 | | 75 - 121 |
| Toluene-d8 (Surr) | 107 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-004**

Lab Sample ID: 680-55974-6 Date Sampled: 03/17/2010 1250
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164051 | Instrument ID: MSP |
| Preparation: | 5030B | | Lab File ID: p0213.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/25/2010 1711 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/25/2010 1711 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 98 | | 75 - 120 |
| Dibromofluoromethane | 100 | | 75 - 121 |
| Toluene-d8 (Surr) | 105 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-007**

Lab Sample ID: 680-55974-7 Date Sampled: 03/17/2010 0855
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164051 | Instrument ID: MSP |
| Preparation: | 5030B | | Lab File ID: p0215.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/25/2010 1741 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/25/2010 1741 | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | <25 | | 25 |
| Benzene | 2.6 | | 1.0 |
| Bromoform | <1.0 | | 1.0 |
| Bromomethane | <1.0 | | 1.0 |
| 2-Butanone (MEK) | <10 | | 10 |
| Carbon disulfide | <2.0 | * | 2.0 |
| Carbon tetrachloride | <1.0 | | 1.0 |
| Chlorobenzene | <1.0 | | 1.0 |
| Chlorodibromomethane | <1.0 | | 1.0 |
| Chloroethane | <1.0 | | 1.0 |
| Chloroform | <1.0 | | 1.0 |
| Chloromethane | <1.0 | | 1.0 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 |
| Dichlorobromomethane | <1.0 | | 1.0 |
| 1,1-Dichloroethane | <1.0 | | 1.0 |
| 1,2-Dichloroethane | <1.0 | | 1.0 |
| 1,1-Dichloroethene | <1.0 | | 1.0 |
| 1,2-Dichloropropane | <1.0 | | 1.0 |
| Ethylbenzene | 5.9 | | 1.0 |
| 2-Hexanone | <10 | | 10 |
| Methylene Chloride | <5.0 | | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 |
| Styrene | <1.0 | | 1.0 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 |
| Tetrachloroethene | <1.0 | | 1.0 |
| Toluene | 5.7 | | 1.0 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 |
| Trichloroethene | <1.0 | | 1.0 |
| Vinyl chloride | <1.0 | | 1.0 |
| Xylenes, Total | 6.5 | | 2.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 105 | | 75 - 120 |
| Dibromofluoromethane | 99 | | 75 - 121 |
| Toluene-d8 (Surr) | 107 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-17E**

Lab Sample ID: 680-55974-8 Date Sampled: 03/17/2010 1140
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0239.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1709 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1709 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 100 | | 75 - 120 |
| Dibromofluoromethane | 115 | | 75 - 121 |
| Toluene-d8 (Surr) | 97 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-18E**

Lab Sample ID: 680-55974-9 Date Sampled: 03/17/2010 1200
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0240.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1731 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1731 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 92 | | 75 - 120 |
| Dibromofluoromethane | 115 | | 75 - 121 |
| Toluene-d8 (Surr) | 93 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Duplicate**

Lab Sample ID: 680-55974-10 Date Sampled: 03/17/2010 0000
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0241.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1754 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1754 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 97 | | 75 - 120 |
| Dibromofluoromethane | 113 | | 75 - 121 |
| Toluene-d8 (Surr) | 94 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Equipment Blank**

Lab Sample ID: 680-55974-11 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0234.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1514 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1514 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | | 75 - 120 |
| Dibromofluoromethane | 112 | | 75 - 121 |
| Toluene-d8 (Surr) | 95 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **TB-01**

Lab Sample ID: 680-55974-12 Date Sampled: 03/17/2010 0000
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0235.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1537 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1537 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 100 | | 75 - 120 |
| Dibromofluoromethane | 112 | | 75 - 121 |
| Toluene-d8 (Surr) | 95 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **TB-02**

Lab Sample ID: 680-55974-13 Date Sampled: 03/17/2010 0000
Client Matrix: Water Date Received: 03/18/2010 1149

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 680-164239 | Instrument ID: MSP2 |
| Preparation: | 5030B | | Lab File ID: p0236.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 03/26/2010 1559 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 03/26/2010 1559 | | |

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 100 | | 75 - 120 |
| Dibromofluoromethane | 110 | | 75 - 121 |
| Toluene-d8 (Surr) | 98 | | 75 - 120 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-1**

Lab Sample ID: 680-55974-1 Date Sampled: 03/17/2010 1105
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163873 | | Instrument ID: | MST |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | t1254.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1010 mL |
| Date Analyzed: | 03/23/2010 1713 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <9.9 | | 9.9 |
| 2,4-Dimethylphenol | <9.9 | | 9.9 |
| Pentachlorophenol | <50 | | 50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 80 | | 38 - 116 |
| 2-Fluorophenol | 77 | | 36 - 110 |
| 2,4,6-Tribromophenol | 98 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-2**

Lab Sample ID: 680-55974-2 Date Sampled: 03/17/2010 1045
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163873 | | Instrument ID: | MST |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | t1255.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1020 mL |
| Date Analyzed: | 03/23/2010 1736 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <9.8 | | 9.8 |
| 2,4-Dimethylphenol | <9.8 | | 9.8 |
| Pentachlorophenol | <49 | | 49 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 74 | | 38 - 116 |
| 2-Fluorophenol | 69 | | 36 - 110 |
| 2,4,6-Tribromophenol | 103 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-13**

Lab Sample ID: 680-55974-3 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-164012 | | Instrument ID: | MST |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | t1258.d |
| Dilution: | 50 | | | Initial Weight/Volume: | 980 mL |
| Date Analyzed: | 03/25/2010 1119 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | 4300 | | 510 |
| 2,4-Dimethylphenol | 2400 | | 510 |
| Pentachlorophenol | <2600 | | 2600 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 0 | D | 38 - 116 |
| 2-Fluorophenol | 0 | D | 36 - 110 |
| 2,4,6-Tribromophenol | 0 | D | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-14**

Lab Sample ID: 680-55974-4 Date Sampled: 03/17/2010 1005
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-164012 | Instrument ID: MST |
| Preparation: | 3520C | Prep Batch: 680-163482 | Lab File ID: t1259a.d |
| Dilution: | 50 | | Initial Weight/Volume: 980 mL |
| Date Analyzed: | 03/25/2010 1230 | | Final Weight/Volume: 1 mL |
| Date Prepared: | 03/19/2010 1242 | | Injection Volume: 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <510 | | 510 |
| 2,4-Dimethylphenol | 4600 | | 510 |
| Pentachlorophenol | <2600 | | 2600 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 0 | D | 38 - 116 |
| 2-Fluorophenol | 0 | D | 36 - 110 |
| 2,4,6-Tribromophenol | 0 | D | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-002**

Lab Sample ID: 680-55974-5 Date Sampled: 03/17/2010 1225
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6740.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 03/24/2010 1305 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <10 | | 10 |
| 2,4-Dimethylphenol | <10 | | 10 |
| Pentachlorophenol | <50 | | 50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 72 | | 38 - 116 |
| 2-Fluorophenol | 71 | | 36 - 110 |
| 2,4,6-Tribromophenol | 107 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-004**

Lab Sample ID: 680-55974-6 Date Sampled: 03/17/2010 1250
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6741.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 980 mL |
| Date Analyzed: | 03/24/2010 1328 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <10 | | 10 |
| 2,4-Dimethylphenol | <10 | | 10 |
| Pentachlorophenol | <51 | | 51 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 65 | | 38 - 116 |
| 2-Fluorophenol | 62 | | 36 - 110 |
| 2,4,6-Tribromophenol | 94 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-007**

Lab Sample ID: 680-55974-7 Date Sampled: 03/17/2010 0855
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6742.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1020 mL |
| Date Analyzed: | 03/24/2010 1352 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | 77 | | 9.8 |
| 2,4-Dimethylphenol | 56 | | 9.8 |
| Pentachlorophenol | <49 | | 49 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 85 | | 38 - 116 |
| 2-Fluorophenol | 78 | | 36 - 110 |
| 2,4,6-Tribromophenol | 114 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-17E**

Lab Sample ID: 680-55974-8 Date Sampled: 03/17/2010 1140
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6743.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1020 mL |
| Date Analyzed: | 03/24/2010 1416 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <9.8 | | 9.8 |
| 2,4-Dimethylphenol | <9.8 | | 9.8 |
| Pentachlorophenol | <49 | | 49 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 69 | | 38 - 116 |
| 2-Fluorophenol | 65 | | 36 - 110 |
| 2,4,6-Tribromophenol | 99 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-18E**

Lab Sample ID: 680-55974-9 Date Sampled: 03/17/2010 1200
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6744.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1030 mL |
| Date Analyzed: | 03/24/2010 1439 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <9.7 | | 9.7 |
| 2,4-Dimethylphenol | <9.7 | | 9.7 |
| Pentachlorophenol | <49 | | 49 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 80 | | 38 - 116 |
| 2-Fluorophenol | 76 | | 36 - 110 |
| 2,4,6-Tribromophenol | 106 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Duplicate**

Lab Sample ID: 680-55974-10 Date Sampled: 03/17/2010 0000
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6745.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1030 mL |
| Date Analyzed: | 03/24/2010 1503 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <9.7 | | 9.7 |
| 2,4-Dimethylphenol | <9.7 | | 9.7 |
| Pentachlorophenol | <49 | | 49 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 60 | | 38 - 116 |
| 2-Fluorophenol | 57 | | 36 - 110 |
| 2,4,6-Tribromophenol | 99 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Equipment Blank**

Lab Sample ID: 680-55974-11 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 680-163981 | | Instrument ID: | MSN |
| Preparation: | 3520C | Prep Batch: 680-163482 | | Lab File ID: | n6746.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1030 mL |
| Date Analyzed: | 03/24/2010 1526 | | | Final Weight/Volume: | 1 mL |
| Date Prepared: | 03/19/2010 1242 | | | Injection Volume: | 1 uL |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Phenol | <9.7 | | 9.7 |
| 2,4-Dimethylphenol | <9.7 | | 9.7 |
| Pentachlorophenol | <49 | | 49 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| Phenol-d5 | 70 | | 38 - 116 |
| 2-Fluorophenol | 70 | | 36 - 110 |
| 2,4,6-Tribromophenol | 107 | | 40 - 139 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-1**

Lab Sample ID: 680-55974-1 Date Sampled: 03/17/2010 1105
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 1631 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | <1.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 90 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-2**

Lab Sample ID: 680-55974-2 Date Sampled: 03/17/2010 1045
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 1705 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | <1.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 112 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-13**

Lab Sample ID: 680-55974-3 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 10 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 1739 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <10 | | 10 |
| Acenaphthylene | <10 | | 10 |
| Anthracene | <10 | | 10 |
| Benzo[a]anthracene | <2.0 | | 2.0 |
| Benzo[a]pyrene | <2.0 | | 2.0 |
| Benzo[b]fluoranthene | <2.0 | | 2.0 |
| Benzo[g,h,i]perylene | <10 | | 10 |
| Benzo[k]fluoranthene | <5.0 | | 5.0 |
| Chrysene | <10 | | 10 |
| Dibenz(a,h)anthracene | <2.0 | | 2.0 |
| Fluoranthene | <10 | | 10 |
| Fluorene | <10 | | 10 |
| Indeno[1,2,3-cd]pyrene | <2.0 | | 2.0 |
| 1-Methylnaphthalene | <10 | | 10 |
| 2-Methylnaphthalene | <10 | | 10 |
| Naphthalene | 13 | | 10 |
| Phenanthrene | <10 | | 10 |
| Pyrene | <10 | | 10 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 78 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-14**

Lab Sample ID: 680-55974-4 Date Sampled: 03/17/2010 1005
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 20 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 1812 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | 30 | p | 20 |
| Acenaphthylene | 300 | | 20 |
| Anthracene | <20 | | 20 |
| Benzo[a]anthracene | 7.1 | p | 4.0 |
| Benzo[a]pyrene | 24 | | 4.0 |
| Benzo[b]fluoranthene | 35 | p | 4.0 |
| Benzo[g,h,i]perylene | <20 | | 20 |
| Benzo[k]fluoranthene | <10 | | 10 |
| Chrysene | 100 | | 20 |
| Dibenz(a,h)anthracene | 8.3 | p | 4.0 |
| Fluoranthene | 310 | p | 20 |
| Fluorene | 86 | p | 20 |
| Indeno[1,2,3-cd]pyrene | 4.1 | | 4.0 |
| 1-Methylnaphthalene | 230 | | 20 |
| 2-Methylnaphthalene | 230 | | 20 |
| Naphthalene | 260 | | 20 |
| Phenanthrene | 49 | | 20 |
| Pyrene | <20 | | 20 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 332 | X | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-002**

Lab Sample ID: 680-55974-5 Date Sampled: 03/17/2010 1225
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 1846 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | 43 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | 3.3 | p | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | 9.7 | p | 1.0 |
| Fluorene | 28 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | 10 | p | 1.0 |
| 2-Methylnaphthalene | 47 | | 1.0 |
| Naphthalene | 40 | P | 1.0 |
| Phenanthrene | 29 | | 1.0 |
| Pyrene | 4.9 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 114 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-004**

Lab Sample ID: 680-55974-6 Date Sampled: 03/17/2010 1250
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 1953 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | <1.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 83 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-007**

Lab Sample ID: 680-55974-7 Date Sampled: 03/17/2010 0855
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 2027 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | 2.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 111 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-17E**

Lab Sample ID: 680-55974-8 Date Sampled: 03/17/2010 1140
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 2101 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | <1.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 80 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-18E**

Lab Sample ID: 680-55974-9 Date Sampled: 03/17/2010 1200
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1050 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 2135 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <0.95 | | 0.95 |
| Acenaphthylene | <0.95 | | 0.95 |
| Anthracene | <0.95 | | 0.95 |
| Benzo[a]anthracene | <0.19 | | 0.19 |
| Benzo[a]pyrene | <0.19 | | 0.19 |
| Benzo[b]fluoranthene | <0.19 | | 0.19 |
| Benzo[g,h,i]perylene | <0.95 | | 0.95 |
| Benzo[k]fluoranthene | <0.48 | | 0.48 |
| Chrysene | <0.95 | | 0.95 |
| Dibenz(a,h)anthracene | <0.19 | | 0.19 |
| Fluoranthene | <0.95 | | 0.95 |
| Fluorene | <0.95 | | 0.95 |
| Indeno[1,2,3-cd]pyrene | <0.19 | | 0.19 |
| 1-Methylnaphthalene | <0.95 | | 0.95 |
| 2-Methylnaphthalene | <0.95 | | 0.95 |
| Naphthalene | <0.95 | | 0.95 |
| Phenanthrene | <0.95 | | 0.95 |
| Pyrene | <0.95 | | 0.95 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 85 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Duplicate**

Lab Sample ID: 680-55974-10 Date Sampled: 03/17/2010 0000
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1000 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 2208 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | <1.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 88 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Equipment Blank**

Lab Sample ID: 680-55974-11 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**8310 PAHs (HPLC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8310 | Analysis Batch: 400-106032 | | Instrument ID: | WIGGLE |
| Preparation: | 3520C | Prep Batch: 400-105613 | | Initial Weight/Volume: | 1050 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 1.0 mL |
| Date Analyzed: | 03/22/2010 2242 | | | Injection Volume: | |
| Date Prepared: | 03/20/2010 1420 | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acenaphthene | <0.95 | | 0.95 |
| Acenaphthylene | <0.95 | | 0.95 |
| Anthracene | <0.95 | | 0.95 |
| Benzo[a]anthracene | <0.19 | | 0.19 |
| Benzo[a]pyrene | <0.19 | | 0.19 |
| Benzo[b]fluoranthene | <0.19 | | 0.19 |
| Benzo[g,h,i]perylene | <0.95 | | 0.95 |
| Benzo[k]fluoranthene | <0.48 | | 0.48 |
| Chrysene | <0.95 | | 0.95 |
| Dibenz(a,h)anthracene | <0.19 | | 0.19 |
| Fluoranthene | <0.95 | | 0.95 |
| Fluorene | <0.95 | | 0.95 |
| Indeno[1,2,3-cd]pyrene | <0.19 | | 0.19 |
| 1-Methylnaphthalene | <0.95 | | 0.95 |
| 2-Methylnaphthalene | <0.95 | | 0.95 |
| Naphthalene | <0.95 | | 0.95 |
| Phenanthrene | <0.95 | | 0.95 |
| Pyrene | <0.95 | | 0.95 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Chloroanthracene | 100 | | 27 - 146 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-1**

Lab Sample ID: 680-55974-1 Date Sampled: 03/17/2010 1105
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0117 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-2**

Lab Sample ID: 680-55974-2 Date Sampled: 03/17/2010 1045
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0122 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-13**

Lab Sample ID: 680-55974-3 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0127 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ITW-14**

Lab Sample ID: 680-55974-4 Date Sampled: 03/17/2010 1005
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0133 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-002**

Lab Sample ID: 680-55974-5 Date Sampled: 03/17/2010 1225
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0138 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-004**

Lab Sample ID: 680-55974-6 Date Sampled: 03/17/2010 1250
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0144 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **ESE-007**

Lab Sample ID: 680-55974-7 Date Sampled: 03/17/2010 0855
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0149 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-17E**

Lab Sample ID: 680-55974-8 Date Sampled: 03/17/2010 1140
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0205 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **WMW-18E**

Lab Sample ID: 680-55974-9 Date Sampled: 03/17/2010 1200
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0210 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Duplicate**

Lab Sample ID: 680-55974-10 Date Sampled: 03/17/2010 0000
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0216 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Client Sample ID:** **Equipment Blank**

Lab Sample ID: 680-55974-11 Date Sampled: 03/17/2010 0940
Client Matrix: Water Date Received: 03/18/2010 1149

**6010B Metals (ICP)-Total Recoverable**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 6010B | Analysis Batch: 680-163906 | | Instrument ID: | ICPD |
| Preparation: | 3005A | Prep Batch: 680-163681 | | Lab File ID: | N/A |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 50 mL |
| Date Analyzed: | 03/24/2010 0221 | | | Final Weight/Volume: | 50 mL |
| Date Prepared: | 03/22/2010 1658 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

## DATA REPORTING QUALIFIERS

Client: Weston Solutions, Inc. Job Number: 680-55974-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | * | LCS or LCSD exceeds the control limits |
| GC/MS Semi VOA | | |
| | 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 | | |
| | X | Surrogate is outside control limits |
| | P | The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported |
| | p | The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. |

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Method Blank - Batch: 680-164051**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 680-164051/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/25/2010 1203
Date Prepared: 03/25/2010 1203

Analysis Batch: 680-164051
Prep Batch: N/A
Units: ug/L

Instrument ID: MSP
Lab File ID: pq199.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 4-Bromofluorobenzene | 98 | 75 - 120 |
| Dibromofluoromethane | 106 | 75 - 121 |
| Toluene-d8 (Surr) | 103 | 75 - 120 |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 680-164051**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 680-164051/4 | Analysis Batch: | 680-164051 | Instrument ID: | MSP |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq193.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/25/2010 1023 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/25/2010 1023 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 680-164051/5 | Analysis Batch: | 680-164051 | Instrument ID: | MSP |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq195.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/25/2010 1053 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/25/2010 1053 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Acetone | 90 | 78 | 17 - 175 | 14 | 50 | | |
| Benzene | 113 | 113 | 77 - 119 | 0 | 30 | | |
| Bromoform | 93 | 89 | 62 - 133 | 4 | 30 | | |
| Bromomethane | 56 | 58 | 12 - 184 | 4 | 50 | | |
| 2-Butanone (MEK) | 93 | 86 | 33 - 157 | 8 | 30 | | |
| Carbon disulfide | 132 | 125 | 55 - 131 | 5 | 30 | * | |
| Carbon tetrachloride | 125 | 124 | 71 - 135 | 0 | 30 | | |
| Chlorobenzene | 105 | 103 | 85 - 116 | 2 | 30 | | |
| Chlorodibromomethane | 95 | 95 | 75 - 133 | 0 | 30 | | |
| Chloroethane | 123 | 122 | 40 - 165 | 1 | 50 | | |
| Chloroform | 105 | 105 | 82 - 120 | 0 | 30 | | |
| Chloromethane | 110 | 105 | 48 - 142 | 5 | 50 | | |
| cis-1,2-Dichloroethene | 105 | 100 | 69 - 134 | 5 | 30 | | |
| cis-1,3-Dichloropropene | 112 | 106 | 76 - 126 | 6 | 30 | | |
| Dichlorobromomethane | 99 | 97 | 78 - 127 | 2 | 30 | | |
| 1,1-Dichloroethane | 104 | 100 | 74 - 127 | 4 | 30 | | |
| 1,2-Dichloroethane | 102 | 101 | 66 - 132 | 1 | 30 | | |
| 1,1-Dichloroethene | 105 | 98 | 62 - 141 | 7 | 30 | | |
| 1,2-Dichloropropane | 108 | 107 | 73 - 124 | 1 | 30 | | |
| Ethylbenzene | 111 | 107 | 86 - 116 | 4 | 30 | | |
| 2-Hexanone | 89 | 91 | 34 - 161 | 2 | 30 | | |
| Methylene Chloride | 111 | 105 | 70 - 125 | 5 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | 93 | 89 | 40 - 151 | 5 | 30 | | |
| Styrene | 103 | 98 | 82 - 122 | 5 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 83 | 81 | 69 - 129 | 2 | 30 | | |
| Tetrachloroethene | 108 | 101 | 76 - 126 | 7 | 30 | | |
| Toluene | 113 | 107 | 81 - 117 | 5 | 30 | | |
| trans-1,2-Dichloroethene | 104 | 100 | 72 - 131 | 4 | 30 | | |
| trans-1,3-Dichloropropene | 103 | 106 | 73 - 128 | 2 | 30 | | |
| 1,1,1-Trichloroethane | 108 | 109 | 76 - 127 | 1 | 30 | | |
| 1,1,2-Trichloroethane | 94 | 90 | 75 - 121 | 4 | 30 | | |
| Trichloroethene | 106 | 104 | 84 - 115 | 2 | 30 | | |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 680-164051**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 680-164051/4 | Analysis Batch: | 680-164051 | Instrument ID: | MSP |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq193.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/25/2010 1023 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/25/2010 1023 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 680-164051/5 | Analysis Batch: | 680-164051 | Instrument ID: | MSP |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq195.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/25/2010 1053 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/25/2010 1053 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Vinyl chloride | 116 | 115 | 59 - 144 | 1 | 50 | | |
| Xylenes, Total | 110 | 107 | 84 - 118 | 3 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 98 | 75 - 120 |
| Dibromofluoromethane | 104 | 104 | 75 - 121 |
| Toluene-d8 (Surr) | 111 | 106 | 75 - 120 |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Method Blank - Batch: 680-164239**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 680-164239/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/26/2010 1334
Date Prepared: 03/26/2010 1334

Analysis Batch: 680-164239
Prep Batch: N/A
Units: ug/L

Instrument ID: MSP2
Lab File ID: pq218.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 4-Bromofluorobenzene | 97 | 75 - 120 |
| Dibromofluoromethane | 113 | 75 - 121 |
| Toluene-d8 (Surr) | 96 | 75 - 120 |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 680-164239**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 680-164239/15 | Analysis Batch: | 680-164239 | Instrument ID: | MSP2 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq212.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/26/2010 1204 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/26/2010 1204 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 680-164239/16 | Analysis Batch: | 680-164239 | Instrument ID: | MSP2 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq214.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/26/2010 1234 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/26/2010 1234 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Acetone | 90 | 96 | 17 - 175 | 6 | 50 | | |
| Benzene | 98 | 99 | 77 - 119 | 0 | 30 | | |
| Bromoform | 131 | 130 | 62 - 133 | 1 | 30 | | |
| Bromomethane | 83 | 84 | 12 - 184 | 1 | 50 | | |
| 2-Butanone (MEK) | 100 | 99 | 33 - 157 | 0 | 30 | | |
| Carbon disulfide | 104 | 103 | 55 - 131 | 0 | 30 | | |
| Carbon tetrachloride | 112 | 111 | 71 - 135 | 1 | 30 | | |
| Chlorobenzene | 116 | 115 | 85 - 116 | 0 | 30 | | |
| Chlorodibromomethane | 119 | 116 | 75 - 133 | 3 | 30 | | |
| Chloroethane | 68 | 60 | 40 - 165 | 13 | 50 | | |
| Chloroform | 112 | 111 | 82 - 120 | 0 | 30 | | |
| Chloromethane | 70 | 68 | 48 - 142 | 3 | 50 | | |
| cis-1,2-Dichloroethene | 119 | 119 | 69 - 134 | 1 | 30 | | |
| cis-1,3-Dichloropropene | 102 | 102 | 76 - 126 | 0 | 30 | | |
| Dichlorobromomethane | 99 | 97 | 78 - 127 | 2 | 30 | | |
| 1,1-Dichloroethane | 110 | 108 | 74 - 127 | 3 | 30 | | |
| 1,2-Dichloroethane | 91 | 93 | 66 - 132 | 2 | 30 | | |
| 1,1-Dichloroethene | 117 | 116 | 62 - 141 | 1 | 30 | | |
| 1,2-Dichloropropane | 96 | 94 | 73 - 124 | 1 | 30 | | |
| Ethylbenzene | 114 | 110 | 86 - 116 | 4 | 30 | | |
| 2-Hexanone | 99 | 99 | 34 - 161 | 0 | 30 | | |
| Methylene Chloride | 104 | 101 | 70 - 125 | 3 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | 90 | 93 | 40 - 151 | 3 | 30 | | |
| Styrene | 119 | 115 | 82 - 122 | 3 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 104 | 103 | 69 - 129 | 1 | 30 | | |
| Tetrachloroethene | 132 | 129 | 76 - 126 | 2 | 30 | * | * |
| Toluene | 104 | 103 | 81 - 117 | 1 | 30 | | |
| trans-1,2-Dichloroethene | 120 | 118 | 72 - 131 | 2 | 30 | | |
| trans-1,3-Dichloropropene | 100 | 103 | 73 - 128 | 3 | 30 | | |
| 1,1,1-Trichloroethane | 106 | 106 | 76 - 127 | 0 | 30 | | |
| 1,1,2-Trichloroethane | 98 | 100 | 75 - 121 | 2 | 30 | | |
| Trichloroethene | 114 | 114 | 84 - 115 | 0 | 30 | | |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 680-164239**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 680-164239/15 | Analysis Batch: | 680-164239 | Instrument ID: | MSP2 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq212.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/26/2010 1204 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/26/2010 1204 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 680-164239/16 | Analysis Batch: | 680-164239 | Instrument ID: | MSP2 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | pq214.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 03/26/2010 1234 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 03/26/2010 1234 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Vinyl chloride | 82 | 80 | 59 - 144 | 2 | 50 | | |
| Xylenes, Total | 116 | 112 | 84 - 118 | 3 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 4-Bromofluorobenzene | 102 | 101 | 75 - 120 |
| Dibromofluoromethane | 117 | 119 | 75 - 121 |
| Toluene-d8 (Surr) | 105 | 104 | 75 - 120 |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Method Blank - Batch: 680-163482**

**Method: 8270C**
**Preparation: 3520C**

Lab Sample ID: MB 680-163482/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2010 1230
Date Prepared: 03/19/2010 1242

Analysis Batch: 680-163873
Prep Batch: 680-163482
Units: ug/L

Instrument ID: MST
Lab File ID: t1243.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Phenol | <10 | | 10 |
| 2,4-Dimethylphenol | <10 | | 10 |
| Pentachlorophenol | <50 | | 50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| Phenol-d5 | 87 | 38 - 116 |
| 2-Fluorophenol | 83 | 36 - 110 |
| 2,4,6-Tribromophenol | 95 | 40 - 139 |

**Lab Control Sample - Batch: 680-163482**

**Method: 8270C**
**Preparation: 3520C**

Lab Sample ID: LCS 680-163482/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2010 1317
Date Prepared: 03/19/2010 1242

Analysis Batch: 680-163873
Prep Batch: 680-163482
Units: ug/L

Instrument ID: MST
Lab File ID: t1244.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Phenol | 100 | 73.2 | 73 | 39 - 110 | |
| 2,4-Dimethylphenol | 100 | 67.4 | 67 | 36 - 110 | |
| Pentachlorophenol | 100 | 79.2 | 79 | 37 - 132 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| Phenol-d5 | 83 | 38 - 116 |
| 2-Fluorophenol | 82 | 36 - 110 |
| 2,4,6-Tribromophenol | 91 | 40 - 139 |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Method Blank - Batch: 400-105613**

**Method: 8310**
**Preparation: 3520C**

Lab Sample ID: MB 400-105613/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1524
Date Prepared: 03/20/2010 1420

Analysis Batch: 400-106032
Prep Batch: 400-105613
Units: ug/L

Instrument ID: WIGGLE
Lab File ID: 006-0601.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Acenaphthene | <1.0 | | 1.0 |
| Acenaphthylene | <1.0 | | 1.0 |
| Anthracene | <1.0 | | 1.0 |
| Benzo[a]anthracene | <0.20 | | 0.20 |
| Benzo[a]pyrene | <0.20 | | 0.20 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 |
| Benzo[g,h,i]perylene | <1.0 | | 1.0 |
| Benzo[k]fluoranthene | <0.50 | | 0.50 |
| Chrysene | <1.0 | | 1.0 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 |
| Fluoranthene | <1.0 | | 1.0 |
| Fluorene | <1.0 | | 1.0 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 |
| 1-Methylnaphthalene | <1.0 | | 1.0 |
| 2-Methylnaphthalene | <1.0 | | 1.0 |
| Naphthalene | <1.0 | | 1.0 |
| Phenanthrene | <1.0 | | 1.0 |
| Pyrene | <1.0 | | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Chloroanthracene | 105 | 27 - 146 |

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

Client: Weston Solutions, Inc. Job Number: 680-55974-1

**Lab Control Sample - Batch: 400-105613**

**Method: 8310**
**Preparation: 3520C**

Lab Sample ID: LCS 400-105613/12-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1558
Date Prepared: 03/20/2010 1420

Analysis Batch: 400-106032
Prep Batch: 400-105613
Units: ug/L

Instrument ID: WIGGLE
Lab File ID: 007-0701.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Acenaphthene | 10.0 | 8.55 | 85 | 40 - 111 | |
| Acenaphthylene | 10.0 | 7.27 | 73 | 41 - 106 | |
| Anthracene | 10.0 | 7.90 | 79 | 50 - 116 | |
| Benzo[a]anthracene | 10.0 | 8.54 | 85 | 55 - 113 | |
| Benzo[a]pyrene | 10.0 | 7.61 | 76 | 40 - 126 | |
| Benzo[b]fluoranthene | 10.0 | 7.94 | 79 | 41 - 111 | |
| Benzo[g,h,i]perylene | 10.0 | 5.52 | 55 | 14 - 122 | |
| Benzo[k]fluoranthene | 10.0 | 7.74 | 77 | 34 - 114 | |
| Chrysene | 10.0 | 8.96 | 90 | 60 - 125 | |
| Dibenz(a,h)anthracene | 10.0 | 4.91 | 49 | 11 - 130 | |
| Fluoranthene | 10.0 | 8.39 | 84 | 55 - 132 | |
| Fluorene | 10.0 | 7.64 | 76 | 44 - 106 | |
| Indeno[1,2,3-cd]pyrene | 10.0 | 7.16 | 72 | 30 - 121 | |
| 1-Methylnaphthalene | 10.0 | 7.57 | 76 | 30 - 111 | |
| 2-Methylnaphthalene | 10.0 | 7.60 | 76 | 27 - 110 | |
| Naphthalene | 10.0 | 5.63 | 56 | 27 - 114 | |
| Phenanthrene | 10.0 | 8.40 | 84 | 54 - 114 | |
| Pyrene | 10.0 | 8.83 | 88 | 54 - 124 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Chloroanthracene | 107 | 27 - 146 |

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

**Method Blank - Batch: 680-163681**

**Method: 6010B**
**Preparation: 3005A**
**Total Recoverable**

Lab Sample ID: MB 680-163681/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 0106
Date Prepared: 03/22/2010 1658

Analysis Batch: 680-163906
Prep Batch: 680-163681
Units: ug/L

Instrument ID: ICPD
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Arsenic | <20 | | 20 |
| Chromium | <10 | | 10 |

**Lab Control Sample - Batch: 680-163681**

**Method: 6010B**
**Preparation: 3005A**
**Total Recoverable**

Lab Sample ID: LCS 680-163681/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 0111
Date Prepared: 03/22/2010 1658

Analysis Batch: 680-163906
Prep Batch: 680-163681
Units: ug/L

Instrument ID: ICPD
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Arsenic | 2000 | 1980 | 99 | 75 - 125 | |
| Chromium | 200 | 202 | 101 | 75 - 125 | |

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

**TestAmerica Savannah**
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

| Client Information | Sampler: Eric Sandusky | Lab PM: Yant, Abbie G | Carrier Tracking No(s): | COC No: 680-26689.1 |
|---|---|---|---|---|
| Client Contact: Mr. Ralph McKeen | Phone: 678-516-7299 | E-Mail: abbie.yant@testamericainc.com | | Page: Page 1 of 2 |
| Company: Weston Solutions, Inc. | | | | Job #: |
| Address: 5430 Metric Place Suite 100 | Due Date Requested: | | | |
| City: Norcross | TAT Requested (days): Standard | | | |
| State, Zip: GA, 30092 | | | | |
| Phone: 352-338-1466(Tel) | PO #: 32730 | | | |
| Email: ralph.mckeen@westonsolutions.com | WO #: 5.79101E+13 | | | |
| Project Name: Weston Solutions, Inc./Cabot Qtrly | Project #: 68000815 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2SO3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - ph 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 6010B - As, Cr | 8270C - Select SVOCs | 8310 - PAH's | 8260B - BTEX & MTBE | | | | | | | | | | | | | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | D | N | N | A | | | | | | | | | | | | | X | |
| ITW-1 | 3-17-10 | 1105 | G | Water | | | 1 | 3 | 2 | 2 | | | | | | | | | | | | | X2 | |
| ITW-2 | | 1045 | | Water | | | | | | | | | | | | | | | | | | | | |
| ITW-13 | | 0940 | | Water | | | | | | | | | | | | | | | | | | | | |
| ITW-14 | | 1005 | | Water | | | | | | | | | | | | | | | | | | | | |
| ESE-002 | | 1225 | | Water | | | | | | | | | | | | | | | | | | | | |
| ESE-004 | | 1250 | | Water | | | | | | | | | | | | | | | | | | | | |
| ESE-007 | | 0855 | | Water | | | | | | | | | | | | | | | | | | | | |
| WMW-17E | | 1140 | | Water | | | | | | | | | | | | | | | | | | | | |
| WMW-18E | | 1200 | | Water | | | | | | | | | | | | | | | | | | | | |
| Duplicate | | 0000 | | Water | | | | | | | | | | | | | | | | | | | | |
| Equipment Blank | | 0940 | | Water | | | | | | | | | | | | | | | | | | | | |

***Possible Hazard Identification***
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)***
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| Eric Sandusky | 3-18-10 11:49 | Weston | | 3-18-10 11:49 | TA SAV. |
| Relinquished by: | Date/Time: | Company | Received by: 680-55974 | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.8, 1.2, 1.6, 3.4, 1.8, 2.6 |
|---|---|---|

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03/30/2010

**TestAmerica Savannah**
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

| | | | | |
|---|---|---|---|---|
| **Client Information** | Sampler: Eric Sandusky | Lab PM: Yant, Abbie G | Carrier Tracking No(s): | COC No: 680-26689.2 |
| Client Contact: Mr. Ralph McKeen | Phone: 678-516-7299 | E-Mail: abbie.yant@testamericainc.com | | Page: Page 2 of 2 |
| Company: Weston Solutions, Inc. | | | | Job #: |

| | | |
|---|---|---|
| Address: 5430 Metric Place Suite 100 | Due Date Requested: | **Analysis Requested** |
| City: Norcross | TAT Requested (days): Standard | |
| State, Zip: GA, 30092 | PO #: 32730 | |
| Phone: 352-338-1466(Tel) | WO #: 5.79101E+13 | |
| Email: ralph.mckeen@westonsolutions.com | Project #: 68000815 | |
| Project Name: Weston Solutions, Inc./Cabot Qtrly | SSOW#: | |
| Site: | | |

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2SO3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - ph 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 6010B - As, Cr | 8270C - Select SVOCs | 8310 - PAH's | 8260B - BTEX & MTBE | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | D | N | N | A | | |
| | 3 | | | Water | | | | | | | | |
| TB-01 | 3-17-10 | | - | Water | | | | 2 | | | 2 | |
| TB-02 | 3-17-10 | | - | Water | | | | 2 | | | 2 | |
| | | | | Water | | | | | | | | |

***Possible Hazard Identification***
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)***
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

| | | | |
|---|---|---|---|
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
| Relinquished by: Eric Sandusky | Date/Time: 3-18-10 11:49 | Company: Weston | Received by: [signature] |
| Relinquished by: | Date/Time: | Company | Received by: 680-55994 |
| Relinquished by: | Date/Time: | Company | Received by: |

| | | | |
|---|---|---|---|
| Date/Time: 3-18-10 11:49 | Company: T.A. Sav | | |
| Date/Time: | Company | | |
| Date/Time: | Company | | |

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.8, 1.2, 1.6, 3.4, 1.8, 2.6



03/30/2010

# APPENDIX C

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

**APPENDIX C**

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

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

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

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

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

**APPENDIX C**

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

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

**APPENDIX C**

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

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

**APPENDIX C**

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

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

**APPENDIX C**

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

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

**APPENDIX C**

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

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

**APPENDIX C**

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

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

**APPENDIX C**

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

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

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

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

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

# APPENDIX D

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

## Appendix D

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

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

## 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 | ROD cleanup goal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WMW-17E** | Benzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 |
| **WMW-17E** | Ethylbenzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1.1 | ND | ND | ND | ND | ND | ND | ND | ND | * |
| **WMW-17E** | Total Xylenes | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 3.4 | ND | ND | ND | ND | ND | ND | ND | ND | * |
| **WMW-17E** | Acenaphthene | ND | ND | 0.37 | 0.26 | ND | 0.30 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 260 |
| **WMW-17E** | Acenaphthylene | ND | ND | ND | ND | 0.14 | 0.48 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 2.3 | 2.5 | ND | ND | 5.7 | ND | ND | 2.7 | ND | ND | ND | ND | ND | 130 |
| **WMW-17E** | Anthracene | ND | ND | ND | ND | ND | 0.010 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1,310 |
| **WMW-17E** | Fluorene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 323 |
| **WMW-17E** | Naphthalene | ND | ND | ND | ND | ND | 0.40 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 2.6 | 2.5 | 1.6 | 1.7 | ND | ND | ND | ND | ND | 18 |
| **WMW-17E** | Phenanthrene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 130 |
| **WMW-17E** | Pyrene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 130 |
| **WMW-17E** | Total Potentially Carcinogenic PAHs | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.003 |
| **WMW-17E** | 1- Methylnaphthalene | ND | ND | ND | ND | ND | 0.089 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1.3 | 2 | ND | 1.1 | ND | ND | ND | ND | ND | * |
| **WMW-17E** | 2- Methylnaphthalene | ND | ND | ND | ND | ND | 0.32 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | * |
| **WMW-17E** | 2,4- Dimethylphenol | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | * |
| **WMW-17E** | PCP | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.1 |
| **WMW-17E** | Phenol | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 2,630 |
| **WMW-17E** | Chromium | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 12 | 11 | 55 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | *100 |
| **WMW-18E** | Benzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 |
| **WMW-18E** | Ethylbenzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | * |
| **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 | * |
| **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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | * |
| **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 | * |
| **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 | 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 | * |
| **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 | *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 | 50 |
| **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 | 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 | * |
| **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 | * |
| **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 | 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 | 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 | 1,310 |
| **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 | 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 | 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 | * |
| **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 | 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 | 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 | 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 | 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 | * |
| **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 | * |
| **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 | **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 | | 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 | * |
| **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 | *100 |
| **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 | 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 | * |
| **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 | 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 | 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 | 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 | 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 | 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 | * |
| **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 | 2,630 |
| **ESE-004** | Chromium | ND | 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 | *100 |
| **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** | **1** |
| **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 | * |
| **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 | * |
| **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 | * |
| **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 | 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 | 130 |

## 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 | ROD cleanup goal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | 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 | 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 | 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 | 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 | * |
| **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 | * |
| **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 | 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 | **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 | * |
| **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 | * |
| **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 | * |
| **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 | 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 | *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.
* = 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.