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2013 GROUNDWATER MONITORING REPORT
INDUSTRIAL EXCESS LANDFILL (IEL) SITE
UNIONTOWN, OH 44685

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ACRONYMS

AL	Action Level
BATO	Bridgestone Americas Tire Operations, LLC
COC	Chain of Custody
CLP	Contract Laboratory Program
DO	Dissolved Oxygen
EarthCon	EarthCon Site Services, Inc.
IEL	Industrial Excess Landfill
LFG	Landfill Gas
MCL	Maximum Contaminant Level
MVS	Methane Venting System
NPL	National Priorities List
OEPA	Ohio Environmental Protection Agency
ORP	Oxidation/Reduction Potential
QA/QC	Quality Assurance/Quality Control
RDP	Remedial Design Plan
RI/FS	Remedial Investigations/Feasibility Study
ROD	Record of Decision
SOP	Standard Operating Procedure
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
Test America	Test America Laboratories, Inc.
VOC	Volatile Organic Compound
U.S. EPA	United States Environmental Protection Agency

EXECUTIVE SUMMARY

On behalf of Bridgestone Americas Tire Operations, LLC (BATO), EarthCon Consultants, Inc. (EarthCon) is pleased to present this report on the groundwater sampling event conducted at the Industrial Excess Landfill (IEL) Site (Site) from May 9 to May 16, 2013. Groundwater sampling at the Site was mandated by the September 2002 Record of Decision (ROD) Amendment. Additionally, the 2002 ROD Amendment stipulated that an alternate water supply be provided to approximately 100 homes located to the west of the landfill. Therefore, potential receptors downgradient from the Site have been connected to potable water supply.

The sampling was conducted in accordance with the approved *Remedial Design Plan* (RDP) for the IEL Site dated September 22, 2003 (Sharp, 2003). This summary report describes the data and discusses the results of the analysis of samples collected from twenty-three (23) monitoring wells in the IEL site network.

Groundwater samples were collected using low-flow sampling methods. Depth-to-water measurements and field analytical parameters and were also collected during the sampling event. Samples were submitted to Test America Laboratories, Inc. in North Canton, Ohio for analysis of the following parameters: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Total Analyte List (TAL) Metals, and other inorganic and natural attenuation indicator parameters (cyanide, sulfide, ammonia as N, nitrate-nitrite as N, sulfate, chloride, and ferrous iron). This report summarizes the sampling activities and the results of the analyses. Some comparisons to historic results have also been included for reference.

In addition to the groundwater sampling, one round of methane gas concentrations were collected from twenty-five (25) of the sixty-one (61) monitoring points at the Site on July 9, 2013.

The results of this sampling event are consistent with the results of the monitoring events conducted since August 2000, with some exceptions, as follows:

- Groundwater continues to move from east to west beneath the site, consistent with past measurements. However, groundwater elevations were approximately one foot higher than in November 2010, when the previous VOC monitoring event was conducted and one to two feet lower than in May, 2011 when the preceding metals groundwater monitoring event was conducted.
- VOCs
    - VOC's are present in concentrations below their respective United States Environmental Protection Agency (U.S. EPA) Drinking Water Standard Maximum Contaminant Levels (MCLs), except for the concentration of two (2) VOCs at four (4) groundwater monitoring wells. Onsite monitoring wells MW-21s and MW-29 contain 1,2-dichloroethane and vinyl chloride slightly above their MCLs, and onsite monitoring wells MW-01i and MW-11i contain vinyl chloride slightly above its MCL. The concentration of both constituents continues their long-term downward trend.
    - The VOC constituents detected in groundwater above MCLs are daughter products of the degradation of chlorinated solvents. The presence of these constituents provides direct evidence that reductive de-chlorination natural attenuation processes are continuing and are effective in reducing contaminant concentrations at the site. Historically, as many as eighty-one (81) different organic compounds have been detected at this site. Nine (9) different VOCs were detected during the 2013 groundwater monitoring event, down from twenty-one (21) during the May 2011 event.
- SVOCs
    - Sixteen (16) SVOCs were detected above the method detection limit, almost all of them in a background groundwater monitoring well, MW-12i. Two (2) SVOCs, benzo(a)pyrene and bis(2-ethylhexyl) phthalate, slightly exceeded their MCLs in MW-12i. The concentrations in MW-12i are slightly higher than historical levels. SVOC levels in other groundwater monitoring wells are consistent with historical results, and are below the concentrations observed in background groundwater monitoring well MW-12i.
- Inorganic Constituents
    - Inorganic constituents were detected at concentrations greater than their

respective MCLs (and Action Levels (ALs)) for arsenic at eight (8) groundwater monitoring wells, chromium at eleven (11) monitoring wells, lead at seven (7) monitoring wells, and cadmium at one (1) well. Of the twelve (12) total wells with metals above MCLs/ALs, two wells are off-site background wells, seven (7) wells are located on-site, one well is an off-site side-gradient well to the south, and two (2) wells are off-site downgradient wells.

- Elevated metals are clearly naturally occurring and/or indicative of potential off-site upgradient sources as evidenced by background groundwater concentrations of arsenic, chromium and lead above MCLs/ALs. Arsenic, cadmium, chromium, and lead were all observed at levels exceeding their MCLs in background well MW-12i.
- Arsenic is elevated only in background and on-site wells, and is not migrating off-site across Cleveland Avenue at levels above its MCL.
- Cadmium was detected above its MCL only in background well MW-12i and is not therefore not a site-related constituent.
- Chromium was detected above its MCL in one (1) background well, eight (8) on-site wells and one (1) off-site downgradient well at a level slightly above its MCL.
- Lead is elevated only in background and on-site wells and is not migrating off-site across Cleveland Avenue at concentrations above its AL.
- The number, locations and concentrations of metals detected in 2013 are similar to the results of the 2011 monitoring event, when metals were last tested. The only metal detected above the MCL/AL in an off-site downgradient well across Cleveland Avenue is chromium, which was observed at a level (120 µg/L) slightly above its MCL (100 µg/L). Chromium, as well as arsenic, cadmium and lead, may be present as a result of an off-site upgradient source as indicated by its presence in an upgradient groundwater monitoring well (MW-12i) at levels above its MCL. As noted previously, implementation of the 2002 ROD Amendment ensured that groundwater is not used as a potable drinking source downgradient from the site.

- Methane Gas
  - Methane gas concentrations in monitoring points at the Site remain low and in

the majority of monitoring points, below detection levels during the July 9, 2013 event. The data agrees with recent monitoring results, with some minor variations. Based on comparison to data reported to EPA in 2007 and 2010, these data continue to support the decision to shut-down the Methane Venting System (MVS) at the Site in 2004. The 2013 data show no on-site or perimeter concentrations of concern with respect to potential landfill gas migration from the Site.

- Based on the trend in methane levels observed at the site, EarthCon recommends decommissioning the methane monitoring points where less than 10% of the LEL is present.
- Decommissioning of the MVS was approved by USEPA on September 25, 2013. The decommissioning Work Plan will be submitted to USEPA by December 31, 2013.

There are many groundwater monitoring wells at the site where for years no exceedances of MCLs have been observed. EarthCon recommends that number of groundwater monitoring points be reduced to include wells with exceedances of MCLs during the past three years, background wells, and the downgradient offsite wells. This would reduce the number of monitoring points from the current 23 to seventeen for future groundwater monitoring events.

The IEL Site groundwater monitoring program is designed to ensure that trends in concentrations in site perimeter wells are identified and monitored. This report demonstrates that groundwater conditions with respect to organic constituents continue to improve in the vicinity of the Site. Groundwater conditions with respect to metals were consistent with the prior sampling event. The current remedy prevents exposure to any elevated constituent that may be attributable to site conditions and these conditions will continue to be evaluated in future monitoring events.

1.0 INTRODUCTION

This report summarizes the results of the groundwater sampling event conducted by EarthCon on behalf of Bridgestone Americas Tire Operations, LLC (BATO) at the Industrial Excess Landfill (IEL) Site during May 2013. Figure 1 shows the location of the IEL Site along Cleveland Avenue in Uniontown OH and Figure 2 shows the IEL groundwater monitoring well network locations. During this sampling event, EarthCon collected depth-to-groundwater measurements, field-monitored groundwater analytical parameters during purging, and groundwater samples for laboratory analysis. The groundwater samples were preserved and packed for transport to Test America Laboratories, Inc. (Test America) located in North Canton, Ohio. Groundwater samples were analyzed for VOCs, SVOCs, TAL metals, and selected other inorganic and natural attenuation indicator parameters (cyanide, sulfide, ammonia as n, nitrate-nitrite as n, sulfate, chloride, and ferrous iron).

Table 1 provides the plan for this sampling event as part of the 30-year IEL Sampling Event Matrix presented in the approved RDP (Table 10 of the RDP). **Table 2** presents a summary of the 2013 sampling event sampling and analysis activities. **Table 2** lists the monitoring wells in the post-2003 groundwater monitoring well network (Table 9 of the RDP). During the May 2013 sampling event, twenty-three (23) groundwater monitoring wells were sampled.

In addition to the 2013 groundwater monitoring activities, one round of methane gas concentrations were collected from twenty-five landfill gas monitoring points at the Site to supplement the groundwater monitoring results. These landfill gas monitoring points were selected in advance as representative of areas of potential concern based on historical data. Ohio EPA helped select and agreed with the final list of twenty-five monitoring points. The landfill gas monitoring points are shown on **Figure 3**.

2.0 BACKGROUND

A summary description of the Site and the Site history are provided below.

2.1 Site Description

The IEL Site is located in a rural residential area in Lake Township, Stark County, Ohio approximately 10 miles southeast of Akron. **Figure 1** shows the Site location in Uniontown, Ohio. The site includes an approximately 29-acre former landfill located about 0.4 miles south of the intersection of Cleveland Avenue and State Route 619 at 12646 Cleveland Avenue, NW. The landfill was closed under Ohio law pursuant to a court order in 1980. U.S. EPA purchased several adjoining properties such that the total site area measures approximately 47 acres. The Site is bounded by Cleveland Avenue to the west, Metzger's Ditch to the east, commercial buildings to the south, and residences to the north.

2.2 Site History

Between 1956 and 1961, the IEL Site was known as the Summit Sand and Gravel Pit and was used as an open borrow pit to mine sand and gravel. Sand and gravel mining ceased when the water table was encountered during excavations (Sharp, 2003).

Mr. Charles Kittinger purchased the property in 1966 and initially used the site for fly ash disposal. In September 1966, Mr. Kittinger obtained conditional licenses from the Lake Township Board of Zoning Appeals to operate the site as a landfill from 1966 until 1968; and in 1968, he received additional licenses to allow a variety of solid waste materials to be deposited at the site. The site became known by various names, including Kittinger's Landfill, Kittinger Industrial Landfill, and the Industrial Excess Landfill. Disposal was initially limited to inert materials. In 1968, disposal was expanded to include industrial waste. Liquids were deposited at the landfill between 1968 and 1971. In the early 1970's, municipal, residential and commercial waste disposal occurred. After 1971, hospital wastes and a variety of residential wastes were accepted at the site, including domestic putrescible and septic tank wastes. Two fires in the liquid waste lagoons at the landfill are believed to have resulted in the destruction of a significant quantity of liquids. Following the fires, the landfill was not permitted to receive liquids and was then used for disposal of a variety of solid wastes, including household waste and trash.

Coal ash was one of the first wastes disposed of at the site and was placed in topographic depressions to reclaim flooded areas of the site, such as the area in the northwestern portion of the landfill. Ash was also mixed with other wastes and placed throughout the landfill. Liquid wastes are believed to have been disposed into a lagoon located in the north-central portion of the site. A common practice was to mix fly ash with the liquid waste in the lagoon. This process reportedly increased evaporation and inhibited infiltration through the bottom of the lagoon by creating a lower permeability layer of residuum. This procedure was approved by the Ohio Department of Health in 1971. In 1980, pursuant to the requirements of the Stark County Common Pleas Court, the landfill was closed under the requirements of Ohio law with a soil cover.

U.S. EPA and Ohio Environmental Protection Agency (OEPA) concerns with the potential for methane migration from the landfill led to the installation of thirteen (13) passive gas vents in 1984. In October 1984, the IEL Site was proposed for the National Priorities List (NPL) in response to concerns of local residents regarding the migration of landfill gas from the site, and possible groundwater contamination. The U.S. EPA initiated a Remedial Investigation / Feasibility Study (RI/FS) and began field work in September 1985. The active Methane Venting System was subsequently installed by the U.S. EPA at the landfill to mitigate any potential methane risks. Once consistently low methane concentrations were present on-site, the MVS was shut-down in 2004. Passive venting and monitoring has been ongoing since 2004 using the existing MVS locations.

A Record of Decision (ROD) was issued in 1987 to provide an alternate water supply to approximately 100 homes located to the west of the landfill. In July 1989, the U.S. EPA issued a "final" ROD for a site remedy. The final ROD for the Site was amended and reissued in 2000.

Subsequent to the November 14, 2000 Petition to Change the Remedy for the IEL Site, Uniontown, Ohio, U.S. EPA conducted a Focused Feasibility Study that supported another ROD amendment. The September 2002 ROD Amendment called for a remedy with the following components:

- Augmenting the existing vegetative cover with selected planting of trees and other plants;
- Natural attenuation of groundwater contaminants both off-site and on-site;
- Monitoring of groundwater and landfill gas;
- Perimeter fencing;
- Deed restrictions;
- Maintenance of alternate water supply; and
- Additional design studies.

The 2003 RDP for the IEL Site (Sharp, 2003) was approved by U.S. EPA. The 2013 sampling event was conducted in accordance with the approved RDP.

2.3 Groundwater Monitoring History

The groundwater monitoring history for this Site follows the 30-Year IEL Sampling Event Matrix in **Table 1**. The most recent monitoring events that included the full monitoring well network for organics, inorganics, and natural attenuation parameters was conducted in 2006 and 2011. In 2007 through 2010, a subset of the groundwater monitoring wells was monitored for VOCs only.

Previous data have supported a number of positive conclusions with respect to improving groundwater quality over time. The results of the 2013 groundwater monitoring are compared to these previous conclusions in this report.

- The concentrations and extents of all organic constituents have decreased dramatically over time.
- Source decay continues and conditions remain favorable for natural attenuation. These processes are effective in preventing the off-site migration of contaminants at concentrations above their MCLs.
- No constituents from the IEL Site have migrated off-site at concentrations that cause any off-site well to exceed MCLs. The comparison to MCLs is extremely conservative, in part, because groundwater is not used for drinking in the vicinity of the site.

For the purposes of this report, the 2013 metals, VOC and natural attenuation parameter results are compared to the 2011 monitoring event results.

2.4 Landfill Gas (Methane) Monitoring History

The landfill gas (methane) monitoring program being conducted at the IEL Site was first conducted immediately prior to shutdown of the active Methane Venting System (MVS) in August 2004. The monitoring network includes a total of sixty-one (61) nested landfill gas monitoring wells, passive landfill gas vents, and former landfill gas extraction wells. The monitoring frequency evolved from daily, to weekly, bi-weekly, every third week, then monthly until June 2005. Since that time, methane data have been collected from this network in conjunction with the groundwater sampling events. The prior results of this monitoring program have included the following:

- The highest/most widespread methane concentrations detected in the 27 events since MVS shutdown in 2004 occurred within the first 2 days after shutting down the MVS.
- Methane concentrations are decreasing over time, as indicated by individual measurements as well as the decreasing average concentration of all of the monitoring points tested for each event.

For the purposes of this report, the 2013 landfill gas (methane) results are compared to the results of the last Landfill Gas Monitoring Reports submitted to EPA in 2007 and 2010

3.0 SCOPE OF WORK

EarthCon conducted the May 2013 sampling event in accordance with the approved RDP. EarthCon mobilized to the Site on May 9, 2013 and sampling was completed on May 16, 2013. **Appendix A** provides a description of the field sampling methodology used by EarthCon for this sampling event.

3.1 Groundwater Monitoring

The 30-year IEL Site groundwater monitoring program, of which the 2013 monitoring event is a component, was designed and approved with the issuance of the RDP. In accordance with the RDP, this sampling event included the following:

- Collection of groundwater elevation data from site monitoring wells for the preparation of a potentiometric groundwater surface map;
- Sampling of site monitoring wells for the collection of groundwater samples;
- Field-testing of groundwater for low-flow purge parameters, and;
- Laboratory analysis of groundwater samples for VOCs, SVOCs, TAL Metals, and selected inorganic compounds and natural attenuation indicator parameters (Cyanide, sulfide, ammonia as n, nitrate-nitrite as n, sulfate, chloride, and ferrous Iron) according to standard U.S. EPA methods.

Copies of sampling field notes are provided in **Appendix B**, and copies of completed groundwater sampling forms are provided in **Appendix C**.

The monitoring wells included in the May 2013 monitoring event are listed on **Table 2** and summarized below:

- Seventeen (17) of the groundwater monitoring wells (MW-13iNew, MW-14iNew, MW-03i, MW-10i, MW-18s, MW-18i, MW-22i, MW-16New, MW-17New, MW-01i, MW-01s, MW-07i, MW-11i, MW-11s, MW-21s, MW-29, MW-31) are located on-site;
- Two (2) groundwater monitoring wells (MW-12i, MW-30) are located off-site upgradient and are background wells;
- Three (3) groundwater monitoring wells (MW-25s, MW-26s, MW-27i) are located off-site and downgradient of the site;

- One (1) groundwater monitoring well (MW-23s) is located off-site and cross-gradient to the south of the site.
- The well ID suffixes indicate the well depth: s – shallow, i – intermediate, d – deep.

3.1.1 Groundwater Elevation Monitoring

The depth-to-water and vertical measuring point elevations for the individual well casings are provided in **Table 3**. The May 2013 elevation data were utilized in constructing a groundwater potentiometric surface map provided in **Figure 4**.

3.1.2 Groundwater Analysis

During groundwater sampling, field testing for low-flow purge parameters was conducted. The results of this field testing are provided in **Table 4**. Groundwater samples collected for laboratory analysis were submitted to Test America Laboratories, Inc. in North Canton, Ohio. Copies of the chain-of-custody (COC) records are provided in **Appendix D**.

The laboratory samples were analyzed according to standard EPA methods. **Table 5** provides the project-specific requirements for the analytical method and sampling requirements for groundwater samples. The instrument detection limit, the laboratory reporting limit, and the U.S. EPA maximum contaminant level (MCL) for each analyzed constituent are presented in **Table 6**. **Table 7** presents a key for laboratory data qualifiers.

The laboratory provided a U.S. EPA Contract Laboratory (CLP)-type data package with qualifiers and Tentatively Identified Compounds (TICs) reported, where appropriate. EarthCon chemists conducted data validation consistent with U.S. EPA protocols of the groundwater monitoring results. The data validation results are provided in **Appendix E** along with the laboratory data sheets, and are summarized in **Section 4.7** of this report.

3.2 Landfill Gas (Methane) Gas Testing

One round of landfill gas (methane) concentration testing was conducted from twenty-five (25) existing landfill gas monitoring points at the Site on July 9, 2013. Methane gas concentrations were measured using a combustible gas detector which provided concentration data in percent methane. The methane testing was performed at the following twenty-five (25) locations:

- Eighteen (18) (pre-2004) nested Landfill Gas wells at six (6) locations (LFG-4, LFG-6, LFG-8, LFG-9, LFG-11, LFG-18). The nested wells are designated red (shallow), green (intermediate), and yellow (deep) at each location. Samples are taken by inserting the sample tube from the methane (CGI) monitor into the well casing;
- Three (3) Passive Vents (PV-8, PV-9 and PV-13); and
- Four (4) Extraction Wells (EW1, EW2, EW3, EW9). These open former landfill gas extraction wells are acting as passive vents.

3.3 Use Restrictions

As previously discussed in Section 2.2, the September 2002 ROD Amendment required the implementation of deed restrictions that prevent residential use of the Site. Although a complete review of the implementation of the deed restrictions is beyond the scope of the May 2013 sampling event, no residential uses of the site were observed during the site visits conducted during the May 2013 sampling event.

4.0 RESULTS

The analytical results for the May 2013 groundwater monitoring event at the IEL Site are provided in this section of the report. Methane gas testing data are also provided at the end of this section.

4.1 Groundwater Elevation Data

Table 3 presents groundwater elevation data for the May 2013 sampling event, as well as for prior sampling events. Due to the widespread location of the monitoring wells and accessibility constraints at the Site, the water levels were measured at each well during groundwater sampling. The groundwater elevation data collected during this event on May 19 to May 16, 2013 were used in constructing the groundwater potentiometric surface map provided in **Figure 4.** The non-contingency wells listed in **Table 2** are considered to be representative of the uppermost continuous groundwater unit as determined in the approved RDP.

- The results of the potentiometric surface mapping are consistent with those from previous sampling events. Groundwater flow is from east to west at the site, which follows the regional groundwater flow pattern. Groundwater elevations at the Site are in general approximately one foot higher than in November 2009 and November 2010 when the previous VOC monitoring events were conducted and one to two-feet lower than in May 2011 when the preceding groundwater metals monitoring event was conducted.

The water levels appear to be simply due to seasonal variation which is apparent on a consistent basis in the historical water levels database.

4.2 Organic Compounds Analysis

Table 8 lists the complete results of the VOC and SVOC laboratory analyses. **Table 9** provides a summary of VOCs and SVOCs detected in at least one monitoring well for groundwater samples collected in May 2013 along with their corresponding EPA MCLs.

<u>VOCs</u>

VOCs detected during the May 2013 groundwater monitoring event include: 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), 1,2-dichloroethane (1,2-DCA),

acetone, benzene, carbon disulfide, chlorobenzene, chloroethane, chloroform, cis-1,2-dichloroethene (cis-1,2-DCE), cyclohexane, methyl tert-butyl ether, methylcyclohexane, tetrachloroethene, toluene, trans-1,2-dichloroethene (trans-1,2-DCE), trichloroethene, and vinyl chloride. Of the detected constituents only 1,2-DCA and vinyl chloride were detected above their MCLs.

SVOCs

SVOCS detected during the May 2013 groundwater monitoring event include: 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, fluoranthene, phenanthrene, and pyrene. Two (2) SVOCs were detected at concentrations above their MCLs in background monitor well MW-12i during the May 2013 event.

4.2.1 Organic Compounds Detected On-Site

Seventeen (17) groundwater monitoring wells are located on-site (see **Table 2** and **Figure 2**). VOC and SVOC results for these wells are summarized below.

VOCs

VOCs were detected at concentrations above the MCL in four (4) on-site wells during the May 2013 event. These wells are all located at central points along the western downgradient property boundary east of Cleveland Avenue. The detections include:

- Vinyl chloride was detected at 2.6J ug/L and 1,2-DCA was detected at 19 ug/L at MW-29. These concentrations are above their MCLs of 2 ug/L, and 5 ug/L, respectively;
- Vinyl chloride was detected at 2.5 ug/L at MW-1i, above its MCL of 2 ug/L;
- Vinyl chloride was detected at 2.2 ug/L and 1,2-DCA was detected at 6.3J ug/L at MW-21s. These concentrations are above than their MCLs of 2 ug/L and 5 ug/L, respectively; and
- Vinyl chloride was detected at 2.9 ug/L at MW-11i above its MCL of 2 ug/L.

VOCs were detected at concentrations below their respective MCLs in seven (7) on-site wells during the May 2013 sampling event. These additional well locations include points within the landfill area, along the western downgradient property boundary and along the southwestern property boundary. The detections include:

- Chlorobenzene was detected at MW-01s at 0.98J ug/L;
- 1,1-DCA (1.5 ug/L), 1,2-DCA (0.71J ug/L), chloroethane (7.8 ug/L), and cis-1,2-DCE (0.89J ug/L) were detected at MW-11i;
- Benzene (0.15J ug/L), cyclohexane (0.13J ug/L), and methylcyclohexane (0.62J ug/L) were detected in MW-16;
- Tetrachloroethene (0.79J ug/L) was detected at MW-18s;
- 1,1-DCA (1J ug/L), benzene (1.5 ug/L), chloroethane (17 ug/L), cis-1,2-DCE (15 ug/L), methyl tert-butyl ether (0.25J ug/L), trans-1,2-DCE (0.28J ug/L), and TCE (0.61J ug/L)were detected at MW-21s;
- 1,1-DCA (1.3 ug/L), cis-1,2-DCE (2.7 ug/L), and trichloroethene (0.42J ug/L) were detected at MW-23s, and;
- 1,1-DCA (26 ug/L), 1,1-DCE (1.5J ug/L),chloroethane (18 ug/L), and cis-1,2-DCE (64 ug/L) were detected at MW-29.

SVOCs

No SVOCs were detected at on-site groundwater monitoring wells at concentrations above MCLs.

SVOCs were detected below their respective MCLs in three (3) on-site wells during the May 2013 event. These well locations include points within the landfill area and along the western downgradient property boundary, including:

- 3 & 4 Methylphenol (1.7 ug/L) and caprolactum (58 ug/L) were detected in MW-01s;
- bis(2-ethylhexyl)phthalate (1J ug/L) was detected at MW-23s, and;
- bis(2-ethylhexyl)phthalate (0.96 ug/L) was detected at MW-29.

4.2.2 Organic Compounds Detected Off-Site

Six (6) groundwater monitoring wells are located off-site (see **Table 2** and **Figure 2**). Two are located upgradient and are background wells (MW-12i, MW-30); three are located downgradient across Cleveland Avenue (MW-25s, MW-26s, MW-27i); and one is located cross-gradient to the south of the site (MW-23s). VOC and SVOC results for these wells are summarized below.

VOCs

No VOCs were detected above MCL concentrations at off-site locations during the May 2013 event. 1,1-DCA (1.3 ug/L), cis-1,2-DCE (2.7 ug/L), and TCE (0.42J ug/L) were detected below their respective MCLs at MW-23s. This well is located along the southwestern property boundary.

SVOCs

Two (2) SVOCs were detected above their MCLs at off-site locations during the May 2013 event, benzo(a)pyrene (0.86 ug/L) and bis(2-ethylhexyl) phthalate (19 ug/L), both in background well MW-12i. Twelve (12) other SVOCs at levels below their MCLs were detected in background well MW-12i. This well is located northeast of the central landfill area off of Amber Circle NW.

4.3 Metals

The complete results of the metals analyses conducted for the 2013 monitoring event are provided in **Table 8**. The metals results for concentrations above MCLs are summarized in **Table 10**. All of the metals samples were collected using low-flow techniques, as they were in 2011. The analytical results for metals represent total concentrations including both dissolved and suspended solids contributions. Arsenic, cadmium, chromium, and lead were detected above their respective MCLs (and Action Level (AL) for lead).

4.3.1 Metals Detected On-site

Metals were detected at concentrations above MCLs in seven (7) on-site wells during the May 2013 event.

- Arsenic was detected at concentrations above the MCL of 10 ug/L at MW-11s (67B ug/L), MW-16New (160B ug/L), MW-17New (29B ug/L), MW-18s (13B ug/L), and MW-29 (15B ug/L). Arsenic was detected on-site in the previous monitoring event in 2011 at similar concentrations;
- Chromium was detected at concentrations above the MCL of 100 ug/L at MW-11s (4,300 ug/L), MW-16New (190 ug/L), MW-17New (100 ug/L), MW-18i (730 ug/L), MW-18s (170 ug/L), MW-22i (620 ug/L), and MW-29 (350 ug/L). These chromium levels

are generally lower than those observed during the 2011 sampling event;

- Lead was detected at concentrations above the AL of 15 ug/L at MW-11s (17 ug/L), MW-16New (150 ug/L), MW-17New (43 ug/L), and MW-29 (31 ug/L). Lead was detected at similar levels during the 2011 sampling event.

4.3.2 Metals Detected Off-site

Metals were detected at concentrations above MCLs/Action Levels in four (4) off-site wells during the May 2013 event. The detections include:

Off-site Upgradient Background

- Arsenic was detected above the MCL of 10 ug/L at MW-12i (67B ug/L) and MW-30 (29B ug/L);
- Cadmium was detected above the MCL of 5 ug/L at MW-12i (120 ug/L);
- Chromium was detected above the MCL of 100 ug/L at MW-12i (3,100B ug/L);
- Lead was detected above the AL of 15 ug/L at MW-12i (89 ug/L) and MW-30 (30 ug/L)
- The most noteworthy change from the 2011 results is the large increase in the chromium concentration in background well MW-12i.

Off-site Cross-gradient to the South

- Arsenic was detected above the MCL of 10 ug/L at MW-23s (11B ug/L); lead was detected in MW-23s at 17J ug/L; chromium was detected at 470J ug/L.

Off-Site Downgradient Across Cleveland Avenue

- Chromium was detected above the MCL of 100 ug/L at MW-25s (120B ug/L) and MW-27i (280B ug/L).

4.4. Other Inorganic Parameters

In addition to the monitoring of the attenuation breakdown products of chlorinated solvents included in the VOC analysis, specific inorganic tests were conducted to evaluate the groundwater chemistry with respect to conditions supportive of and indicative of the presence of natural bioremediation. The parameters included cyanide, sulfide, nitrate-nitrite as N, ammonia as N, chloride, sulfate, and ferrous iron. The analytical results for these parameters are

provided with the full analytical results summary in **Table 10**. The results of the field-purge parameters measured during groundwater sampling also serve as natural attenuation indicator parameters (see **Table 4**) and are discussed below in **Section 4.5** of this report. The analytical results for these parameters are summarized below:

Cyanide

Cyanide was detected at one (1) monitoring well location, MW-12i, at 0.51 mg/L. MW-12i is an upgradient background location.

Sulfide

Sulfide was detected at two (2) monitoring well locations including MW-12i (10 mg/L) and MW-21s (1.2 mg/L). Sulfide concentrations are relatively low compared to sulfate concentrations, indicating that sulfates are not currently providing a significant source of electrons for reductive de-chlorination processes at the Site.

Nitrate-Nitrite as N

Nitrate-nitrite as N was detected at six locations including MW-11s (0.37 mg/L), MW-16 New (5.5 mg/L), MW-18s (7 mg/L), MW-25s (3 mg/L), MW-30 (0.17 mg/L) and MW-31 (0.29 mg/L). Low level estimated concentrations were also detected at several other wells.

Ammonia as N

Ammonia as N was detected at concentrations above method detection limits at all of the monitoring wells except MW-11s, MW-16New, and MW-31. Detected concentrations ranged from 0.44J mg/L at MW-1New to 12 mg/L at MW-21s.

Chloride

On-site chloride concentrations ranged from 3.9 ug/L (MW-01s) to 320 mg/L (MW-29) in seventeen groundwater monitoring wells. Off-site upgradient background concentrations included 98 mg/L (MW-30) and 630 ug/L (MW-12i). The off-site cross-gradient concentration at MW-23s is 9.3 mg/L. The off-site downgradient concentrations ranged from 63 mg/L (MW-25s) to 240 mg/L (MW-26s). Elevated chloride concentrations in downgradient groundwater monitoring wells are not unexpected, as there are many indications that reductive de-

chlorination processes have been active at the Site. The reduction in the levels of chlorinated compounds is accompanied by the concomitant increase in chloride concentrations as reductive de-chlorination occurs. The elevated chloride in upgradient monitoring well MW-12i is likely related to an upgradient source.

Sulfate

On-site sulfate concentrations ranged from 10 mg/L (MW-1s) to 160 mg/L (MW-22i). Off-site upgradient background concentrations included 91 mg/L (MW-30) and 65 mg/L (MW-12i). The off-site cross-gradient concentration at MW-23s is 21 mg/L. The off-site downgradient concentrations ranged from 63 (MW-25s) to 76 mg/L (MW-27i). These sulfate results suggest that geochemical reactions occurring as groundwater flows through the Site, specifically reductive de-chlorination, are not significantly affecting sulfate concentrations. This is reflected by the consistency of upgradient and downgradient sulfate levels. The reductive de-chlorination process in groundwater at the Site is advanced, as witnessed by the greatly reduced overall levels of chlorinated compounds, and the observance of only daughter products at this stage of natural attenuation. Therefore, there is no longer significant demand for electron donors such as sulfate to fuel reductive de-chlorination, and sulfate levels remain fairly constant as groundwater migrates across the Site.

Ferrous Iron

Ferrous iron was detected at low estimated concentrations across the site, ranging from 0.018UJ mg/L (MW-18s) to 2.6J mg/L (MW-01i). Reduced concentrations of ferrous iron reflect the past demand for electron donors at the Site as reductive de-chlorination degraded chlorinated compounds in groundwater.

4.5 Field Analytical Parameters

A summary of low-flow groundwater sampling field purge parameter results for Conductivity, Dissolved Oxygen (DO), Oxidation/Reduction Potential (ORP), pH, Temperature and Turbidity for each well at the time of sampling is presented in **Table 4**.

Field analytical parameters were recorded with a U-50 series Horiba meter for all wells. MW-01s, MW-11s and MW-23s were purged and sampled with a bailer after sufficient time for

recharge. Field parameter measurements were taken immediately following sampling.

The well casing of MW-01s is damaged above the water column and a pump cannot be placed into groundwater for sampling and pumping through the flow-through field analysis cell.

MW-11s did not offer enough volume for sampling with the pump. The well was purged "dry" with the pump. A bailer was used for sampling and field parameter measurements after sufficient time for recharge.

MW-23s was reconstructed on June 15, 2013 and purged dry. The well had been damaged by a vehicle in 2012. A bailer was used for sampling and field parameter measurement on July 16, 2013.

Conductivity

Conductivity values ranged from 324 uS/cm at MW-31 to 2410 uS/cm at MW-13i (background well). The overall conductivity results are generally consistent with historical groundwater monitoring events.

Dissolved Oxygen

DO values ranged from 0.25 mg/L at MW-17 to 7.75 mg/L at MW-11i. The variability in the DO data is less than that observed in the 2010 data. DO levels are generally higher in the minority of groundwater monitoring wells which have positive ORP, as would be expected. These wells are clustered along the southern property boundary (MW-18i, MW-18s); the western property boundary (MW-11s and MW-25s) and northern property boundary (MW-16NEW).

ORP

ORP values ranged from -199 mV in MW-01i (reducing conditions) to 133 mV in MW-18s (oxidizing conditions), with 17 of the 23 groundwater monitoring wells displaying negative ORP values, or reducing conditions. The May 2013 event maximum and minimums occur in similar locations to the maximums/minimums seen in prior monitoring events except for individual well variation. The lower (more negative) ORP results tend to be found in similar locations to those with low DO, beneath and immediately downgradient of the landfill. Conversely, positive ORP

values were associated with elevated DO levels.

pH

pH values ranged from 6.81 s.u. in MW-18s to 7.59 s.u. in MW-23s. The pH results are consistent with historical results from prior groundwater monitoring events.

Temperature

Water temperature ranged from 10.31 degrees C (MW-07i) to 14.34 degrees C (MW-1i). The temperature data is consistent with historical values.

Turbidity

Turbidity values ranged from 0 NTU (MW-01s, 11s, 17NEW, 29, and 31) to 800 NTU at MW-14NEW and 18s.

4.6 QA/QC Results

Quality assurance/quality control (QA/QC) samples were collected during the May 2013 sampling event, including field blanks, field duplicates and trip blanks. All data were accepted with qualifiers as required except for one SVOC in one sample and one TIC in one sample that were rejected.

Field Blanks

The results of three (3) field blank analyses are presented in **Table 11**. Concentrations of chromium were detected in one of three field blanks at3.7 ug/L, and at 0.27J ug/L, which could be an indication of non-representative results for groundwater samples for chromium. All data were accepted with qualifications as required.

Field Duplicates

Three field duplicates were collected with the groundwater monitoring well samples. Sample Field Dup 1 is a field duplicate of sample MW-30, sample Field Dup 3 is a field duplicate of sample MW-21s, and sample Field Dup 4 is a field duplicate of sample MW-23s. Sample Field Dup 2 was taken at MW-11i. However, sufficient sample volume for all analyses was not collected. Analysis of this sample was cancelled. RPD values less than or equal to 30% are

considered acceptable precision for water samples. Some data qualifications for field duplicate pair MW-21s/Field Dup 3 were required. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J). **Table 12** presents a summary of the duplicate analyses.

Trip Blanks

Arsenic was detected in 9 of 18 Trip Blanks, and acetone and butanone were detected in one Trip Blank. Data qualifiers were applied as required. Trip blank results are in **Table 12**.

4.7 Methane Gas Concentrations

The measured concentrations of the methane at the twenty-five gas monitoring points at the Site included a total of three (3) non-zero percent methane concentrations. The detected concentrations at these locations ranged from 0.7% to 1.2%, and therefore were all below the Lower Explosive Limit for methane. The average methane concentration for the locations tested in 2013 is approximately 0.93%. The average methane concentration for the locations tested in 2011 is approximately 1.3% and in 2007 is approximately 2.4%. The 2013 data represents a reduction from the 2007 and 2010 monitoring results. The reduction in the average concentration is indicative of the continued decrease in landfill gas production at the Site.

5.0 DISCUSSION

The sampling and analytical results for the 2013 monitoring event at the IEL Site presented in Section 4.0 are discussed below:

5.1 Groundwater Flow

- The groundwater flow patterns are consistent with those historically noted at the site.
- The groundwater potentiometric surface for the uppermost groundwater unit exhibits an east-to-west flow that is consistent with the regional east-to-west flow.
- The water elevations are approximately one-to two feet lower than the preceding metals groundwater monitoring event in 2011. This may be related to temporal precipitation variations versus seasonal fluctuations. The water elevations are approximately one foot higher than the VOC monitoring event in November, 2010 and the Metals monitoring event in 2006. This may be related to seasonal fluctuations.

5.2 Groundwater Analytical Results

VOCs

- VOC concentrations are present in concentrations below their respective United States Environmental Protection Agency (U.S. EPA) Drinking Water Standard Maximum Contaminant Levels (MCLs) except for the concentration of two (2) VOCs at four (4) groundwater monitoring wells. Shallow monitoring wells MW-21s and MW-29 contain 1,2-DCA and vinyl chloride slightly above their MCLs and intermediate monitoring wells MW-01i and MW-11i contain vinyl chloride slightly above its MCL.
- Compared to the 2011 VOC results at MW-29, historically the location with the highest VOCs, the cis-1,2-DCE concentration dropped below the MCL, the 1,2-DCA concentration is about the same and the vinyl chloride concentration is lower. Continued attenuation and no off-site migration of VOCs are indicated by these results, which are consistent with past VOC results.
- The VOC constituents detected in groundwater above MCLs are daughter products of the degradation of chlorinated solvents. The presence of these constituents provides direct evidence that reductive de-chlorination natural attenuation processes are continuing and are effective in reducing contaminant concentrations at the site. Historically, as many as eighty-one (81) different organic compounds have been

detected at this site. Nine (9) different VOCs were detected during the 2013 groundwater monitoring event, down from twenty-one (21) during the May 2011 event.

SVOCs

- No SVOCs were detected above their MCLs at on-site locations in 2013. SVOCs were detected below their respective MCLs in three (3) on-site wells in 2013. This is consistent with past monitoring events.
- Sixteen (16) SVOCs were detected above the method detection limit, almost all of them in a background groundwater monitoring well, MW-12i. Two (2) SVOCs, benzo(a)pyrene and bis(2-ethylhexyl) phthalate, slightly exceeded their MCLs in MW-12i. The concentrations in MW-12i are slightly higher than historical levels. SVOC levels in other groundwater monitoring wells are consistent with historical results.

Metals

- Four metals were detected in 2013 above MCLs in shallow and intermediate depth monitoring wells at on-site (arsenic, chromium, lead) and off-site background locations (arsenic, cadmium, chromium, and lead), and off-site downgradient locations.
- Arsenic is clearly naturally occurring in groundwater at the Site. Arsenic concentrations were detected in 2013 above the MCL (10 ug/L) at eight (8) monitoring wells including both off-site background wells (MW-12i and MW-30). No concentrations above MCLs were detected at off-site downgradient monitoring wells located across Cleveland Avenue. Arsenic is elevated only in background and on-site wells, and is not migrating off-site across Cleveland Avenue at concentrations above its MCL.
- Cadmium was detected in 2013 above the MCL (5 ug/L) at one (1) background location, MW-12i. Cadmium is not considered to be a site-related constituent.
- In 2013, chromium was detected at concentrations above the MCL (100 ug/L) at eleven (11) locations versus eight (8) locations in 2011. The chromium concentrations are generally lower than those observed during the 2011 groundwater sampling event. The concentration was slightly higher at one (1) on-site well, MW-22i and one (1) off-site upgradient background well, MW-12i. The presence of elevated chromium in the background well is an indication of a potential upgradient source.
- Lead was detected above the AL (15 ug/L) in seven (7) wells including two (2)off-site

upgradient background wells (MW-30 and MW-12i), one (1) off-site cross-gradient well (MW-23s) and four on-site wells. Lead was detected above ALs in five (5) monitoring wells during the previous 2011 metals groundwater monitoring event. Lead is indicated to be elevated only in background and on-site wells, and is not migrating off-site across Cleveland Avenue at concentrations above its ALs.

- Elevated metals are clearly naturally occurring and/or indicative of potential off-site upgradient sources as evidenced by background groundwater concentrations of arsenic, cadmium, chromium and lead above MCLs/AL. Arsenic, cadmium, chromium, and lead were all observed at levels exceeding their MCLs in background well MW-12i.
- The number, locations and concentrations of metals detected in 2013 are consistent with the results of the 2011 groundwater metals monitoring event. The only metal detected in 2013 above MCL/AL in an off-site downgradient well across Cleveland Avenue is chromium, which was observed at a level (120 ug/L) slightly above its MCL (100 ug/L). Chromium, along with arsenic, cadmium and lead, may be present as a result of an off-site upgradient source as indicated by its presence in an upgradient groundwater monitoring well (MW-12i) at levels above its MCL.

Groundwater Concentrations With Respect to the ROD

- The September 2002 Record of Decision (ROD) Amendment sets forth actions to prevent exposure to any elevated groundwater concentrations. No such off-site exceedences were observed in 2010 or in 2006 or 2011 when metals were last tested. The one occurrence in 2013 of a concentration above its MCL in an off-site downgradient well is chromium which was also present above the MCL in one of the background wells. Its presence in the background well demonstrates that chromium is originating from an upgradient source and is not a site-specific constituent. Nevertheless, chromium concentrations will continue to be evaluated for evidence of an upgradient source or off-site migration in future groundwater monitoring events, however, as stated above, there is no potential for exposure as a result of the provisions of the 2002 ROD Amendment.

5.3 Natural Attenuation and Source Decay

As a closed landfill matures, its releases into the atmosphere and groundwater generally decline

as the fixed amount of starting material (waste) dissipates, resulting in slower release rates of degraded and undegraded materials into the surrounding environment. The dissipation of the starting material (source decay) typically occurs over several decades. Additionally, released materials are subject to further degradation and other mechanisms (collectively referred to as natural attenuation) that can transform them or limit their migration in the environment. The activity of such natural attenuation mechanisms in the ongoing maturation of the IEL site has been documented in the public record since 1997.

This groundwater monitoring event continues to demonstrate that natural attenuation and source decay are limiting the migration of contaminants away from the waste mass. Chlorinated solvent degradation products, such as cis-1,2-DCE, 1,2-DCA, chloroethane, and vinyl chloride are more common in Site groundwater than are the parent compounds that were originally disposed in the landfill (tetrachloroethene, trichloroethene, and 1,1,1-trichloroethane). The presence of degradation products in groundwater samples in the absence of parent compounds is direct evidence that reductive de-chlorination, a natural attenuation mechanism, is degrading the parent compounds. Further, the groundwater beneath the site is generally low in DO and displays negative ORP, which indicate a reducing environment where reductive dechlorination processes are facilitated. Low levels of ferrous iron provide secondary evidence of the occurrence of reductive de-chlorination processes. Elevated levels of sulfate in groundwater should continue to provide electron donors for the reductive de-chlorination processes to continue to degrade to remaining low levels of chlorinated compounds observed in Site groundwater. **Table 4** presents DO and ORP data for the most recent groundwater sampling event.

Beyond the reducing zone, aerobic conditions redevelop due to various processes, including mixing with ambient groundwater, reaction with oxidized compounds naturally present in the formation, infiltration of aerated precipitation, and diffusion of oxygen through the vadose zone. Reductive dechlorination products such as vinyl chloride that migrate into this aerobic zone may be destroyed via aerobic biodegradation mechanisms and/or abiotic mechanisms. Hydrocarbons such as benzene and toluene are rapidly biodegraded if they reach an aerobic zone. These natural degradation processes explain why no hazardous constituents are being detected above MCLs at significant distances downgradient of the landfill. Currently MW-29 has

the highest concentrations of constituents and two constituents that are slightly above their respective MCL.

Based on the recent groundwater monitoring events, source decay continues and conditions remain favorable for natural attenuation. These processes are effective in preventing the off-site migration of contaminants at concentrations above their respective MCLs.

5.4 Methane Gas Testing Results

Methane gas concentrations in monitoring points at the Site remain low and consistent with minor variations at individual locations based on a comparison to the data reported to EPA in 2007 and 2011. Overall the 2013 data continue to support the decision to shut-down the Methane Venting System (MVS) at the Site in 2004 and show no on-site or perimeter concentrations of concern with respect to potential landfill gas migration from the Site.

5.5 Recommendations

Groundwater Monitoring

There are many groundwater monitoring wells at the site where for years no exceedances of any MCLs have been observed. EarthCon recommends that the number of groundwater monitoring points be reduced to include wells with exceedances of MCLs during the past three years, background wells, and the downgradient offsite wells. This would reduce the number of monitoring points from the current 23 to seventeen for future groundwater monitoring events. The wells which would no longer be sampled include:

- MW-01s;
- MW-03i;
- MW-07i;
- MW-10i;
- MW-13i, and;
- MW-30.

Methane Monitoring

Based on the trend in methane levels observed at the site, it is recommended to decommission the methane monitoring points which are no longer being used. This includes thirty-six (36) of the original sixty-one (61) methane monitoring points. Additionally, only three (3) of the twenty-five (25) methane monitoring points still in use had non-zero results, all at a fraction of the lower explosive limit. It is anticipated that decommissioning of the remaining methane monitoring points will be appropriate in the near future.

MVS Decommission

Decommissioning of the MVS was approved by USEPA on September 25, 2013. The decommissioning Work Plan will be submitted to USEPA by December 31, 2013.

6.0 REFERENCES

Los Alamos Technical Associates, Inc., Summary Report on the December 2010 Groundwater Sampling Event at the Industrial Excess Landfill (IEL) Site in Uniontown, OH, February 2011.

Los Alamos Technical Associates, Inc., Report on the Landfill Gas Monitoring at the Industrial Excess (IEL) Landfill Superfund Site Uniontown, Ohio, October 2007.

Los Alamos Technical Associates, Inc., Summary Report on the May 2006 Groundwater Sampling Event at the Industrial Excess Landfill (IEL) Site, Uniontown, Ohio, August 2006.

Sharp and Associates, Inc., Remedial Design Plan for the Industrial Excess Landfill (IEL) Site, Uniontown, Ohio. September 22, 2003.

U.S. Environmental Protection Agency Region 5, Record of Decision Amendment, Industrial Excess Landfill Superfund Site, Uniontown, Stark County, OH, September 2002.

Sharp and Associates, Inc., Sampling and Analysis Plan for the Groundwater Monitoring Network at the Industrial Excess Landfill (IEL) Site, Uniontown, Ohio, 2000.

TABLES

Table 1. 30-year IEL Sampling Event Matrix

(Table 10 of RDP, 9/22/2003)

Notes: Seven monitoring events conducted prior to August 2000. Remedy "in-place" since 1980
Regular monitoring using modern techniques conducted beginning in August 2000; i.e. year one through year three has already been completed under an agreement with the Township under the supervision of USEPA and OhioEPA.
Assume new monitoring wells installed before August 2004 event

Monitoring Year	Years Post ROD	Event #	Date	Monitoring Well Tiers to be Sampled	Analytical Parameters	Rationale
Year One		1	August-2000	All Tiers	VOCs, Metals, Nat'l, RAD	Supplement the historic database; charaterize seasonal variation; monitor natural attenuation processes and chemical constituents on-site; monitor for potential off-site impacts via sentinel wells; put RAD issue to bed.
		2	November-2000	All Tiers: Tier A1** only for RAD	VOCs, Metals, Nat'l, RAD	
		3	February-2001	Tier S, B, OW; Tier A1 only for RAD	VOCs, Metals, Nat'l, RAD	
		4	May-2001	Tier S, B, OW; Tier A1 only for RAD	VOCs, Metals, Nat'l, RAD	
Year Two		5	August-2001	Tier S, B, OW;	VOCs, Metals, Nat'l	Monitor that no off-site migration of landfill constituents is occurring; monitor on-site conditions
		6	May-2002	Tier S, B, OW	VOCs, Metals, Nat'l	
		7	July-2002	All Tiers	VOCs, SVOCs, Metals, Nat'l	All Tiers/Parameters to complete characterization
Year Three		8	November-2002	Tier S, B	VOCs, Metals	Monitor that no off-site migration of landfill constituents is occurring. Snapshot of on-site conditions
		9	March-2003	Tier S, B, OW	VOCs	
		10	July-2003	All Tiers	VOCs, Nat'l	All Tiers to supplement database and confirm nat'l
				REMEDIAL ACTION APPROVED		
2003 Year Four	0	11	November-2003	All Tiers	VOCs	
		12	February-2004	All Tiers	VOCs	
		13	May-2004	All Tiers	VOCs	
		14	August-2004	All Wells	VOCs, SVOCs, Metals, Nat'l	
Year Five	1	15	February-2005	Sentinel, On-Site	VOCs	Number of sampled wells reduced as long as results warrant.
		16	August-2005	Sentinel, On-Site	VOCs	
Year Six	2	17	November-2005	Sentinel, On-Site	VOCs	
		18	May-2006	All Tiers	VOCs, SVOCs, Metals, Nat'l	
Year Six			September-2006	**CERCLA 5-YEAR REVIEW**		Previous 5-year Review in 2001
Year Seven	3	19	August-2007	All Tiers	VOCs	Planned Annual Sampling of all wells for all parameters unless superseded by agreement
Year Eight	4	20	May-2008	All Tiers	VOCs	
Year Nine	5	21	February-2009	All Tiers	VOCs	
Year Ten	6	22	November-2010	All Tiers	VOCs	
Year Eleven	7	23	May-2011	All Tiers	VOCs, SVOCs, Metals, Nat'l	
Year Eleven			September-2011	**CERCLA 5-YEAR REVIEW**		Previous 5-year Review in 2006
Years 12-33	30	24-34	2012-2033	All Tiers	VOCs, SVOCs, Metals, Nat'l	Biannual sampling of all wells/parameters unless superseded by agreement.

24 Total Number of Events, post-ROD

34 Total Number of Events, post August 2000

Table 2. May 2013 Sampling Event Summary

#	Well ID	Tier	Location	Sampled 5/2011?	Notes
1	MW-12i	Background	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
2	MW-30	Background	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
3	MW-24i	Downgradient	OFF-SITE	NO	Well paved over by new road; Well no longer exists
4	MW-25s	Downgradient	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
5	MW-26s	Downgradient	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
6	MW-27i	Downgradient	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
7	MW-13iNew	On-Site	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
8	MW-14iNew	On-Site	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
9	MW-03i	Perimeter	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
10	MW-10i	Perimeter	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
11	MW-18s	Perimeter	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
12	MW-18i	Perimeter	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
13	MW-22i	Perimeter	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
14	MW-23s	Perimeter	OFF-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
15	MW-16New	Perimeter	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
16	MW-17New	Perimeter	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
17	MW-01i	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
18	MW-01s	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
19	MW-07i	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
20	MW-11i	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
21	MW-11s	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
22	MW-21s	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
23	MW-29	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
24	MW-31	Sentinel	ON-SITE	YES	VOCs, SVOCs, Metals, Nat'l Att.
25	MW-01d	Contingency	ON-SITE	NO	Deep well on western boundary
26	MW-07d	Contingency	ON-SITE	NO	Deep well on southern boundary
27	MW-09i	Contingency	ON-SITE	NO	Extra background well
28	MW-11d	Contingency	ON-SITE	NO	Deep well on western boundary
29	MW-21i	Contingency	ON-SITE	NO	Deep well on western boundary

Tier Summary

Tier Designation	Well Description	Monitoring Purpose/Approach
Sentinel Wells: 8 wells: 1s, 1i, 7i, 21s, 11s, 11i, 29, 31	Located along western boundary of landfill	Will detect migration downgradient from landfill if it occurs
On-Site Wells: 2 wells: 13i, 14i	Double-cased new wells installed through waste	Provide early indications of migration from landfill contents
Background: 2 wells: 12i, 30	Upgradient	Identify regional changes; monitor naturally-occurring constituents
Perimeter Wells: 7 Wells: 3i, 18i, 18s, 22i, 16, 17, 23s	Along landfill perimeter but cross-gradient	Provide coverage of uppermost aquifer in all compass directions
Downgradient Wells: 5 Wells: 24i, 25s, 26s, 27i, 7d	Further downgradient than sentinel wells	Allow measurement of extent should sentinel wells show detects
Contingency Wells: 5 Wells: 9i, 1d, 11d, 21i, 7d	Western/southern boundary wells retained	Sampled only if results in 1i, 11i, 21s, 7i and 30 warrant
New Wells: 5 Wells: 16, 17, 29, 30, 31	Replacement: 16, 17 Background: 30 Sentinel: 29, 31	Northside boundary coverage Better Sentinel well coverage: Better background location

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-01D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1163.45	45.51	1117.94
8/1/2000	1163.45	44.49	1118.96
11/29/2000	1163.45	45.28	1118.17
3/19/2001	1163.45	44.69	1118.76
5/29/2001	1163.45	44.91	1118.54
9/4/2001	1163.45	45.72	1117.73
4/9/2002	1163.45	44	1119.45
7/22/2002	1163.45	45.44	1118.01
11/12/2002	1163.45	45.7	1117.75
3/17/2003	1163.45	37.81	1125.64
7/18/2003	1163.45	76.98	1086.47
11/17/2003	1163.45	44.34	1119.11
2/23/2004	1163.45	43.44	1120.01
5/17/2004	1163.45	43.65	1119.8
5/15/2006	1163.45	46.12	1117.33
9/5/2007	1163.45	45.7	1117.75
4/22/2008	1163.45	44.5	1118.95
2/19/2009	1163.45	45.31	1118.14
11/29/2010	1163.45	46.34	1117.11

Prepared by:
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Table 3. Industrial Excess Landfill

Well Level Records for:

MW-01I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1166.43	48.34	1118.09
8/1/2000	1166.43	47.32	1119.11
11/29/2000	1166.43	48.05	1118.38
3/19/2001	1166.43	47.49	1118.94
5/29/2001	1166.43	47.64	1118.79
9/4/2001	1166.43	48.46	1117.97
4/9/2002	1166.43	46.92	1119.51
7/22/2002	1166.45	48.33	1118.12
11/12/2002	1166.45	48.42	1118.03
3/17/2003	1166.45	46.98	1119.47
7/18/2003	1166.45	46.79	1119.66
11/17/2003	1166.45	47.13	1119.32
2/23/2004	1166.45	46.78	1119.67
5/17/2004	1166.45	46.51	1119.94
8/23/2004	1166.45	48.76	1117.69
2/9/2005	1166.45	47.97	1118.48
8/4/2005	1166.45	48.81	1117.64
11/16/2005	1166.45	48.82	1117.63
5/15/2006	1166.45	48.89	1117.56
9/5/2007	1166.45	48.54	1117.91
4/22/2008	1166.45	47.44	1119.01
2/19/2009	1166.45	48.11	1118.34
11/29/2010	1166.45	49.08	1117.37
6/1/2011	1166.45	46.59	1119.86
5/14/2013	1166.45	47.87	1118.58

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-01S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1166.04	44.79	1121.25
11/29/2000	1166.04	45.06	1120.98
3/19/2001	1166.04	44.89	1121.15
5/29/2001	1166.04	44.64	1121.4
9/4/2001	1166.04	45.15	1120.89
4/9/2002	1166.04	44.77	1121.27
7/22/2002	1166.05	44.18	1121.87
11/12/2002	1166.05	45.43	1120.62
3/17/2003	1166.05	33.37	1132.68
7/18/2003	1166.05	43.74	1122.31
11/17/2003	1166.05	43.8	1122.25
2/23/2004	1166.05	43.64	1122.41
5/17/2004	1166.05	42.99	1123.06
8/23/2004	1166.05	44.08	1121.97
2/9/2005	1166.05	43.48	1122.57
11/16/2005	1166.05	45.11	1120.94
5/15/2006	1166.05	45.56	1120.49
9/5/2007	1166.05	44.72	1121.33
4/22/2008	1166.05	42.6	1123.45
2/19/2009	1166.05	45.27	1120.78
11/29/2010	1166.05	46.23	1119.82
5/31/2011	1166.05	42.99	1123.06
5/14/2013	1166.05	44.8	1121.25

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-031

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1128.2	9.42	1118.78
8/1/2000	1128.2	8.47	1119.73
11/29/2000	1128.2	9.22	1118.98
3/19/2001	1128.2	8.69	1119.51
5/29/2001	1128.2	8.75	1119.45
9/4/2001	1128.2	9.61	1118.59
4/9/2002	1128.2	8.25	1119.95
7/22/2002	1128.2	9.21	1118.99
11/12/2002	1128.2	9.47	1118.73
3/17/2003	1128.2	8.34	1119.86
7/18/2003	1128.2	7.89	1120.31
11/17/2003	1128.2	8.2	1120
2/23/2004	1128.2	7.96	1120.24
5/18/2004	1128.2	7.57	1120.63
8/23/2004	1128.2	9.54	1118.66
2/9/2005	1128.2	8.63	1119.57
8/4/2005	1128.2	9.74	1118.46
11/16/2005	1128.2	9.74	1118.46
5/16/2006	1128.2	9.72	1118.48
9/5/2007	1128.2	9.5	1118.7
4/22/2008	1128.2	8.24	1119.96
2/19/2009	1128.2	9.2	1119
11/30/2010	1128.2	10.07	1118.13
5/25/2011	1128.2	7.92	1120.28
5/14/2013	1128.2	8.84	1119.36

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-07D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/23/2004	1131.06	12.81	1118.25
2/9/2005	1131.06	12.02	1119.04
8/4/2005	1131.06	12.96	1118.1
11/16/2005	1131.06	12.93	1118.13
5/16/2006	1131.06	12.95	1118.11
9/5/2007	1131.06	12.72	1118.34
4/22/2008	1131.06	11.63	1119.43
2/19/2009	1131.06	12.35	1118.71
11/30/2010	1131.06	13.16	1117.9

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-07I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1130.3	12	1118.3
8/1/2000	1130.3	11	1119.3
11/29/2000	1130.3	11.77	1118.53
3/19/2001	1130.3	11.19	1119.11
5/29/2001	1130.3	11.29	1119.01
9/4/2001	1130.3	12.12	1118.18
4/9/2002	1130.3	10.67	1119.63
7/22/2002	1130.3	11.94	1118.36
11/12/2002	1130.3	11.95	1118.35
3/17/2003	1130.3	11.81	1118.49
7/18/2003	1130.3	10.46	1119.84
11/17/2003	1130.3	10.76	1119.54
2/23/2004	1130.3	10.47	1119.83
5/18/2004	1130.3	10.19	1120.11
8/23/2004	1130.3	12.31	1117.99
2/9/2005	1130.3	11.49	1118.81
8/4/2005	1130.3	12.44	1117.86
11/16/2005	1130.3	12.41	1117.89
5/16/2006	1130.3	12.41	1117.89
9/5/2007	1130.3	12.18	1118.12
4/22/2008	1130.3	11.06	1119.24
2/19/2009	1130.3	11.76	1118.54
11/30/2010	1130.3	12.62	1117.68
5/25/2011	1130.3	10.56	1119.74
5/14/2013	1130.3	11.51	1118.79

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-09I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/23/2004	1124.48	5.43	1119.05
2/9/2005	1124.48	4.58	1119.9
11/16/2005	1124.48	5.69	1118.79
5/16/2006	1124.48	5.71	1118.77
9/5/2007	1124.48	5.5	1118.98
4/22/2008	1124.48	4.18	1120.3
2/19/2009	1124.48	5.27	1119.21
11/30/2010	1124.48	6.18	1118.3

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-10I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/29/2000	1154.66	36.25	1118.41
3/19/2001	1154.66	35.68	1118.98
5/29/2001	1154.66	35.85	1118.81
9/4/2001	1154.66	36.65	1118.01
4/9/2002	1154.66	35.02	1119.64
7/22/2002	1154.66	36.77	1117.89
11/12/2002	1154.66	36.55	1118.11
3/17/2003	1154.66	35.33	1119.33
7/18/2003	1154.66	35	1119.66
11/17/2003	1154.66	35.36	1119.3
2/23/2004	1154.66	35.01	1119.65
5/17/2004	1154.66	34.87	1119.79
8/23/2004	1154.66	37.12	1117.54
2/9/2005	1154.66	36.38	1118.28
8/4/2005	1154.66	37.2	1117.46
5/16/2006	1154.66	37.23	1117.43
9/5/2007	1154.66	36.86	1117.8
4/22/2008	1154.66	35.08	1119.58
2/19/2009	1154.66	36.36	1118.3
11/29/2010	1154.66	37.32	1117.34
5/26/2011	1154.66	36.14	1118.52
5/9/2013	1154.66	36.02	1118.64

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-11D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/23/2004	1168.64	74.78	1093.86
2/9/2005	1168.64	72.51	1096.13
8/4/2005	1168.64	74.9	1093.74
11/16/2005	1168.64	74.06	1094.58
5/15/2006	1168.64	74.72	1093.92
9/5/2007	1168.64	74.45	1094.19
4/22/2008	1168.64	71.11	1097.53
2/19/2009	1168.64	72.47	1096.17
11/29/2010	1168.64	75.1	1093.54

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-11I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1168.21	50.35	1117.86
8/1/2000	1168.21	49.36	1118.85
11/29/2000	1168.21	50.14	1118.07
3/19/2001	1168.21	49.56	1118.65
5/29/2001	1168.21	49.7	1118.51
9/4/2001	1168.21	50.54	1117.67
4/9/2002	1168.21	49.09	1119.12
7/22/2002	1168.22	50.23	1117.99
11/12/2002	1168.22	50.57	1117.65
3/17/2003	1168.22	49.39	1118.83
7/18/2003	1168.22	48.8	1119.42
11/17/2003	1168.22	49.1	1119.12
2/23/2004	1168.22	48.78	1119.44
5/17/2004	1168.22	48.45	1119.77
8/23/2004	1168.22	50.71	1117.51
2/9/2005	1168.22	49.85	1118.37
8/4/2005	1168.22	50.77	1117.45
11/16/2005	1168.22	50.83	1117.39
5/15/2006	1168.22	50.91	1117.31
9/5/2007	1168.22	50.5	1117.72
4/22/2008	1168.22	49.25	1118.97
2/19/2009	1168.22	50.18	1118.04
11/29/2010	1168.22	51.21	1117.01
5/31/2011	1168.22	48.48	1119.74
5/14/2013	1168.22	49.86	1118.36

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-11S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1168.79	48.8	1119.99
8/1/2000	1168.79	48.05	1120.74
11/29/2000	1168.79	48.89	1119.9
3/19/2001	1168.79	48.57	1120.22
5/29/2001	1168.79	48.46	1120.33
9/4/2001	1168.79	49.1	1119.69
4/9/2002	1168.79	47.48	1121.31
7/22/2002	1168.8	48.33	1120.47
11/12/2002	1168.8	49.3	1119.5
3/17/2003	1168.8	41.82	1126.98
7/18/2003	1168.8	47.62	1121.18
11/17/2003	1168.8	47.66	1121.14
2/23/2004	1168.8	47.51	1121.29
5/17/2004	1168.8	46.97	1121.83
8/23/2004	1168.8	48.84	1119.96
2/9/2005	1168.8	47.79	1121.01
11/16/2005	1168.8	49.2	1119.6
5/15/2006	1168.8	49.11	1119.69
9/5/2007	1168.8	48.76	1120.04
4/22/2008	1168.8	46.86	1121.94
2/19/2009	1168.8	49.16	1119.64
11/29/2010	1168.8	50.03	1118.77
5/27/2011	1168.8	47.21	1121.59
5/14/2013	1168.8	48.7	1120.1

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-12I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/15/1998	1169.94	49.18	1120.76
8/1/2000	1169.94	48.21	1121.73
11/29/2000	1169.94	49.2	1120.74
3/19/2001	1169.94	48.69	1121.25
5/29/2001	1169.94	48.67	1121.27
9/5/2001	1169.94	49.64	1120.3
4/9/2002	1169.94	37.75	1132.19
7/22/2002	1170.06	48.73	1121.33
11/12/2002	1170.06	49.7	1120.36
3/17/2003	1170.06	48.54	1121.52
7/18/2003	1170.06	47.71	1122.35
11/17/2003	1170.06	47.67	1122.39
2/23/2004	1170.06	47.51	1122.55
5/17/2004	1170.06	46.92	1123.14
8/24/2004	1170.06	48.36	1121.7
2/9/2005	1170.06	47.52	1122.54
8/4/2005	1170.06	48.77	1121.29
11/16/2005	1170.06	48.81	1121.25
5/15/2006	1170.06	48.99	1121.07
9/5/2007	1170.06	48.8	1121.26
4/22/2008	1170.06	47.01	1123.05
11/29/2010	1170.06	50.03	1120.03
5/19/2011	1170.06	47.31	1122.75
5/9/2013	1170.06	48.53	1121.53

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-13I NEW

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
7/22/2002	1168.14	49.44	1118.7
11/12/2002	1168.14	49.67	1118.47
3/17/2003	1168.14	48.6	1119.54
7/18/2003	1168.14	48.06	1120.08
7/31/2003	1168.14	47.6	1120.54
11/17/2003	1168.14	47.78	1120.36
2/27/2004	1168.11	48.02	1120.09
5/18/2004	1168.11	47.69	1120.42
8/23/2004	1168.11	49.74	1118.37
2/9/2005	1168.11	48.92	1119.19
8/4/2005	1168.11	49.89	1118.22
11/16/2005	1168.11	49.93	1118.18
5/16/2006	1168.11	49.94	1118.17
9/5/2007	1168.11	49.67	1118.44
4/22/2008	1168.11	48.39	1119.72
2/19/2009	1168.11	49.37	1118.74
11/30/2010	1168.11	50.3	1117.81
5/26/2011	1168.11	47.7	1120.41
5/14/2013	1168.11	49.05	1119.06

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-14I NEW

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
7/22/2002	1153.5	34.39	1119.11
11/12/2002	1153.5	34.65	1118.85
3/17/2003	1153.5	33.51	1119.99
7/18/2003	1153.5	33.08	1120.42
7/31/2003	1153.5	32.61	1120.89
11/17/2003	1153.5	33.29	1120.21
2/23/2004	1153.33	33.02	1120.31
5/18/2004	1153.33	32.61	1120.72
8/23/2004	1153.33	34.59	1118.74
2/9/2005	1153.33	33.73	1119.6
8/4/2005	1153.33	34.89	1118.44
11/16/2005	1153.33	34.79	1118.54
5/16/2006	1153.33	34.82	1118.51
9/5/2007	1153.33	34.6	1118.73
4/22/2008	1153.33	33.27	1120.06
2/19/2009	1153.33	34.29	1119.04
11/30/2010	1153.33	35.19	1118.14
5/25/2011	1153.33	33	1120.33
5/14/2013	1153.33	34.02	1119.31

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-16 NEW

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
2/23/2004	1172.58	51.59	1120.99
5/18/2004	1172.58	51.19	1121.39
8/23/2004	1172.58	53.15	1119.43
2/9/2005	1172.58	52.14	1120.44
8/4/2005	1172.58	53.35	1119.23
11/16/2005	1172.58	53.48	1119.1
5/16/2006	1172.58	53.51	1119.07
9/5/2007	1172.58	53.3	1119.28
4/22/2008	1172.58	51.55	1121.03
2/19/2009	1172.58	53.22	1119.36
11/30/2010	1172.58	54.14	1118.44
5/18/2011	1172.58	51.695	1120.885
5/13/2013	1172.58	52.8	1119.78

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-17 NEW

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
2/23/2004	1148.39	26.48	1121.91
5/18/2004	1148.39	26.19	1122.2
8/23/2004	1148.39	27.69	1120.7
2/9/2005	1148.39	26.63	1121.76
8/4/2005	1148.39	28	1120.39
11/16/2005	1148.39	28.08	1120.31
5/16/2006	1148.39	28.11	1120.28
9/5/2007	1148.39	28	1120.39
4/22/2008	1148.39	26.37	1122.02
2/19/2009	1148.39	27.97	1120.42
11/30/2010	1148.39	28.96	1119.43
5/26/2011	1148.39	23.64	1124.75
5/13/2013	1148.39	25.67	1122.72

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-18I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/1/2000	1177.08	58.02	1119.06
11/29/2000	1177.08	58.82	1118.26
3/19/2001	1177.08	58.09	1118.99
5/29/2001	1177.08	58.31	1118.77
9/4/2001	1177.08	59.14	1117.94
4/9/2002	1177.08	57.6	1119.48
7/22/2002	1177.08	59.2	1117.88
11/12/2002	1177.08	59	1118.08
3/17/2003	1177.08	54.51	1122.57
7/18/2003	1177.08	57.51	1119.57
11/17/2003	1177.08	57.84	1119.24
2/23/2004	1177.08	57.48	1119.6
5/17/2004	1177.08	57.29	1119.79
8/23/2004	1177.08	59.56	1117.52
2/9/2005	1177.08	58.85	1118.23
8/4/2005	1177.08	59.65	1117.43
11/16/2005	1177.08	59.55	1117.53
5/15/2006	1177.08	59.71	1117.37
9/5/2007	1177.08	59.3	1117.78
4/22/2008	1177.08	58.34	1118.74
2/19/2009	1177.08	58.8	1118.28
11/29/2010	1177.08	59.73	1117.35
5/24/2011	1177.08	57.79	1119.29
5/10/2013	1177.08	58.53	1118.55

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-18S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1176.97	56.15	1120.82
8/1/2000	1176.97	55.44	1121.53
11/29/2000	1176.97	56.58	1120.39
3/19/2001	1176.97	56.18	1120.79
5/29/2001	1176.97	55.91	1121.06
9/4/2001	1176.97	56.62	1120.35
4/9/2002	1176.97	56.03	1120.94
7/22/2002	1176.97	55.53	1121.44
11/12/2002	1176.97	56.89	1120.08
3/17/2003	1176.97	54.57	1122.4
7/18/2003	1176.97	54.84	1122.13
11/17/2003	1176.97	55.02	1121.95
2/23/2004	1176.97	54.78	1122.19
5/17/2004	1176.97	54.11	1122.86
8/23/2004	1176.97	55.41	1121.56
2/9/2005	1176.97	54.68	1122.29
8/4/2005	1176.97	55.8	1121.17
11/16/2005	1176.97	56.46	1120.51
5/15/2006	1176.97	56.55	1120.42
9/5/2007	1176.97	55.97	1121
4/22/2008	1176.97	53.76	1123.21
2/19/2009	1176.97	56.81	1120.16
11/29/2010	1176.97	57.88	1119.09
5/20/2011	1176.97	54.45	1122.52
5/10/2013	1176.97	56.18	1120.79

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-21I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/23/2004	1166.4	48.68	1117.72
2/9/2005	1166.4	47.85	1118.55
8/4/2005	1166.4	48.75	1117.65
11/16/2005	1166.4	48.81	1117.59
5/15/2006	1166.4	48.91	1117.49
9/5/2007	1166.4	48.49	1117.91
4/22/2008	1166.4	47.28	1119.12
2/19/2009	1166.4	48.15	1118.25
11/29/2010	1166.4	49.11	1117.29

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-21S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1167.11	49.15	1117.96
8/1/2000	1167.11	48.13	1118.98
11/29/2000	1167.11	48.92	1118.19
3/19/2001	1167.11	48.34	1118.77
5/29/2001	1167.11	48.46	1118.65
9/4/2001	1167.11	49.31	1117.8
4/9/2002	1167.11	47.91	1119.2
7/22/2002	1167.11	49.06	1118.05
11/12/2002	1167.11	49.32	1117.79
3/17/2003	1167.11	37.41	1129.7
7/18/2003	1167.11	47.59	1119.52
11/17/2003	1167.11	48	1119.11
2/23/2004	1167.11	47.59	1119.52
5/17/2004	1167.11	47.46	1119.65
8/23/2004	1167.11	49.49	1117.62
2/9/2005	1167.11	48.68	1118.43
8/4/2005	1167.11	49.57	1117.54
11/16/2005	1167.11	49.62	1117.49
5/15/2006	1167.11	49.41	1117.7
9/5/2007	1167.11	49.3	1117.81
4/22/2008	1167.11	48.09	1119.02
2/19/2009	1167.11	48.97	1118.14
11/29/2010	1167.11	49.99	1117.12
5/31/2011	1167.11	47.39	1119.72
5/14/2013	1167.11	48.68	1118.43

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-22I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/16/1998	1184	65.54	1118.46
8/1/2000	1184	64.59	1119.41
11/29/2000	1184	65.4	1118.6
3/19/2001	1184	64.8	1119.2
5/29/2001	1184	64.93	1119.07
9/4/2001	1184	65.76	1118.24
4/10/2002	1184	64.44	1119.56
7/22/2002	1184	65.3	1118.7
11/12/2002	1184	65.78	1118.22
3/17/2003	1184	64.36	1119.64
7/18/2003	1184	64.02	1119.98
11/17/2003	1184	64.24	1119.76
2/23/2004	1184	63.91	1120.09
5/18/2004	1184	63.61	1120.39
8/23/2004	1184	65.45	1118.55
2/9/2005	1184	64.82	1119.18
8/4/2005	1184	65.81	1118.19
11/16/2005	1184	65.87	1118.13
5/16/2006	1184	65.94	1118.06
9/5/2007	1184	65.64	1118.36
4/22/2008	1184	64.19	1119.81
2/19/2009	1184	65.42	1118.58
11/30/2010	1184	66.37	1117.63
5/18/2011	1184	64.2	1119.8
5/10/2013	1184	64.95	1119.05

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-23S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1126.26	8.13	1118.13
8/1/2000	1126.26	7.13	1119.13
11/29/2000	1126.26	7.79	1118.47
3/19/2001	1126.26	7.26	1119
5/29/2001	1126.26	7.4	1118.86
9/4/2001	1126.26	8.18	1118.08
4/9/2002	1126.26	6.67	1119.59
7/22/2002	1126.26	8.26	1118
11/12/2002	1126.26	8.01	1118.25
3/17/2003	1126.26	6.6	1119.66
7/18/2003	1126.26	6.61	1119.65
11/17/2003	1126.26	6.96	1119.3
2/23/2004	1126.26	6.59	1119.67
5/17/2004	1126.26	6.43	1119.83
8/23/2004	1126.26	8.62	1117.64
2/9/2005	1126.26	7.93	1118.33
8/4/2005	1126.26	8.75	1117.51
11/16/2005	1126.26	8.62	1117.64
5/15/2006	1126.26	8.69	1117.57
9/5/2007	1126.26	8.42	1117.84
4/22/2008	1126.26	7.52	1118.74
2/19/2009	1126.26	8.05	1118.21
11/30/2010	1126.26	8.71	1117.55
5/20/2011	1126.26	6.9	1119.36
5/16/2013	1126.26	8.19	1118.07

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-24I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1185.62	72.68	1112.94
8/1/2000	1185.62	71.54	1114.08
11/29/2000	1185.62	72.79	1112.83
3/19/2001	1185.62	72.06	1113.56
5/29/2001	1185.62	72	1113.62
9/4/2001	1185.62	73.11	1112.51
4/9/2002	1185.62	70.07	1115.55
7/22/2002	1185.62	72.1	1113.52
11/12/2002	1185.62	73.43	1112.19
3/17/2003	1185.62	71.97	1113.65
7/18/2003	1185.62	70.93	1114.69
11/17/2003	1185.62	71.3	1114.32
8/23/2004	1185.62	70.88	1114.74
2/9/2005	1185.62	69.67	1115.95
8/4/2005	1185.62	71.17	1114.45
11/16/2005	1185.62	71.3	1114.32
5/16/2006	1185.62	71.44	1114.18
9/5/2007	1185.62	70.9	1114.72
4/22/2008	1185.62	69	1116.62
2/19/2009	1185.62	71.05	1114.57

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-25S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1145.55	27.72	1117.83
8/1/2000	1145.55	26.68	1118.87
11/29/2000	1145.55	25.57	1119.98
3/19/2001	1145.55	26.91	1118.64
5/29/2001	1145.55	27	1118.55
9/4/2001	1145.55	27.9	1117.65
4/9/2002	1145.55	26.4	1119.15
7/22/2002	1145.55	27.66	1117.89
11/12/2002	1145.55	27.9	1117.65
3/17/2003	1145.55	20.56	1124.99
7/18/2003	1145.55	26.12	1119.43
11/17/2003	1145.55	26.49	1119.06
2/23/2004	1145.55	26.09	1119.46
5/18/2004	1145.55	25.96	1119.59
8/23/2004	1145.55	28.15	1117.4
2/9/2005	1145.55	27.38	1118.17
8/4/2005	1145.55	28.22	1117.33
11/16/2005	1145.55	28.81	1116.74
5/16/2006	1145.55	28.26	1117.29
9/5/2007	1145.55	27.92	1117.63
4/22/2008	1145.55	26.73	1118.82
2/19/2009	1145.55	27.55	1118
11/29/2010	1145.55	28.56	1116.99
5/20/2011	1145.55	26.22	1119.33
5/9/2013	1145.55	27.18	1118.37

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-26S

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1163.73	50.49	1113.24
8/1/2000	1163.73	49.24	1114.49
11/29/2000	1163.73	50.62	1113.11
3/19/2001	1163.73	49.86	1113.87
5/29/2001	1163.73	49.78	1113.95
9/4/2001	1163.73	50.97	1112.76
4/9/2002	1163.73	50.33	1113.4
7/22/2002	1163.73	49.82	1113.91
11/12/2002	1163.73	51.29	1112.44
3/17/2003	1163.73	49.89	1113.84
7/18/2003	1163.73	48.62	1115.11
11/17/2003	1163.73	49.08	1114.65
2/23/2004	1163.73	48.78	1114.95
5/18/2004	1163.73	48.19	1115.54
8/23/2004	1163.73	50.03	1113.7
2/9/2005	1163.73	48.68	1115.05
8/4/2005	1163.73	50.49	1113.24
11/16/2005	1163.73	50.6	1113.13
5/16/2006	1163.73	50.77	1112.96
9/5/2007	1163.73	50.19	1113.54
4/22/2008	1163.73	48.01	1115.72
2/19/2009	1163.73	50.45	1113.28
11/29/2010	1163.73	51.94	1111.79
5/24/2011	1163.73	48.02	1115.71
5/9/2013	1163.73	49.63	1114.1

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-27I

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
9/14/1998	1154.37	37.97	1116.4
8/1/2000	1154.37	36.96	1117.41
11/29/2000	1154.37	37.92	1116.45
3/19/2001	1154.37	37.34	1117.03
5/29/2001	1154.37	37.37	1117
9/4/2001	1154.37	38.28	1116.09
4/9/2002	1154.37	36.68	1117.69
7/22/2002	1154.37	37.66	1116.71
11/12/2002	1154.37	38.39	1115.98
3/17/2003	1154.37	36.71	1117.66
7/18/2003	1154.37	36.34	1118.03
11/17/2003	1154.37	36.68	1117.69
2/23/2004	1154.37	36.34	1118.03
5/18/2004	1154.37	35.97	1118.4
8/23/2004	1154.37	38.98	1115.39
2/9/2005	1154.37	37.13	1117.24
8/4/2005	1154.37	38.18	1116.19
11/16/2005	1154.37	38.28	1116.09
5/16/2006	1154.37	38.37	1116
9/5/2007	1154.37	37.95	1116.42
4/22/2008	1154.37	36.44	1117.93
2/19/2009	1154.37	37.89	1116.48
11/29/2010	1154.37	39.04	1115.33
5/24/2011	1154.37	36.32	1118.05
5/9/2013	1154.37	37.44	1116.93

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-29

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
2/23/2004	1167.59	47.84	1119.75
5/17/2004	1167.59	47.51	1120.08
8/23/2004	1167.59	49.64	1117.95
2/9/2005	1167.59	48.87	1118.72
8/4/2005	1167.59	49.8	1117.79
11/16/2005	1167.59	49.88	1117.71
5/15/2006	1167.59	49.9	1117.69
9/5/2007	1167.59	49.55	1118.04
4/22/2008	1167.59	48.29	1119.3
2/19/2009	1167.59	49.27	1118.32
11/29/2010	1167.59	50.23	1117.36
6/1/2011	1167.59	47.65	1119.94
5/14/2013	1167.59	48.91	1118.68

Prepared by:
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Table 3. Industrial Excess Landfill

Well Level Records for:

MW-30

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
2/23/2004	1130.57	4.43	1126.14
5/18/2004	1130.57	7.59	1122.98
8/24/2004	1130.57	4.4	1126.17
2/9/2005	1130.57	3.9	1126.67
8/4/2005	1130.57	5.1	1125.47
11/16/2005	1130.57	4.97	1125.6
5/15/2006	1130.57	4.87	1125.7
9/5/2007	1130.57	5.3	1125.27
4/22/2008	1130.57	4.81	1125.76
2/19/2009	1130.57	5.62	1124.95
11/29/2010	1130.57	6.25	1124.32
5/19/2011	1130.57	5.6	1124.97
5/9/2013	1130.57	5.51	1125.06

Table 3. Industrial Excess Landfill

Well Level Records for:

MW-31

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
2/23/2004	1172.46	52.66	1119.8
5/17/2004	1172.46	52.41	1120.05
8/24/2004	1172.46	54.77	1117.69
2/9/2005	1172.46	53.71	1118.75
8/4/2005	1172.46	54.61	1117.85
11/16/2005	1172.46	54.62	1117.84
5/15/2006	1172.46	54.89	1117.57
9/5/2007	1172.46	54.4	1118.06
4/22/2008	1172.46	53.03	1119.43
2/19/2009	1172.46	54.27	1118.19
11/29/2010	1172.46	55.39	1117.07
5/19/2011	1172.46	53.05	1119.41
5/14/2013	1172.46	54.06	1118.4

Table 4. Summary of May 2013 Field Analytical Parameters Results

WELL KEY	CHEM KEY	SAMPLING DATE	VALUE	UNITS
MW-01i	ORP	5/14/2013	-199	mV
MW-01s**	ORP	5/14/2013	-170	mV
MW-03i	ORP	5/14/2013	-139	mV
MW-07i	ORP	5/14/2013	-149	mV
MW-10i	ORP	5/9/2013	-133	mV
MW-11i	ORP	5/14/2013	-132	mV
MW-11s**	ORP	5/14/2013	-84	mV
MW-12i	ORP	5/9/2013	-142	mV
MW-13iNew	ORP	5/14/2013	-128	mV
MW-14iNew	ORP	5/14/2013	-128	mV
MW-16New	ORP	5/13/2013	58	mV
MW-17New	ORP	5/13/2013	-145	mV
MW-18i	ORP	5/10/2013	-125	mV
MW-18s	ORP	5/10/2013	-113	mV
MW-21s	ORP	5/14/2013	113	mV
MW-22i	ORP	5/10/2013	-145	mV
MW-23s**	ORP	5/16/2013	-90	mV
MW-25s	ORP	5/9/2013	-82	mV
MW-26s	ORP	5/9/2013	-162	mV
MW-27i	ORP	5/9/2013	-158	mV
MW-29	ORP	5/14/2013	-110	mV
MW-30	ORP	5/9/2013	-103	mV
MW-31	ORP	5/14/2013	-79	mV
MW-01i	pH	5/14/2013	6.85	s.u.
MW-01s**	pH	5/14/2013	7.58	s.u.
MW-03i	pH	5/14/2013	7.52	s.u.
MW-07i	pH	5/14/2013	7.57	s.u.
MW-10i	pH	5/9/2013	7.11	s.u.
MW-11i	pH	5/14/2013	7.09	s.u.
MW-11s**	pH	5/14/2013	7.17	s.u.
MW-12i	pH	5/9/2013	7.07	s.u.
MW-13iNew	pH	5/14/2013	7.48	s.u.
MW-14iNew	pH	5/14/2013	7.18	s.u.
MW-16New	pH	5/13/2013	7.18	s.u.
MW-17New	pH	5/13/2013	7.24	s.u.
MW-18i	pH	5/10/2013	7.42	s.u.
MW-18s	pH	5/10/2013	6.81	s.u.
MW-21s	pH	5/14/2013	6.94	s.u.
MW-22i	pH	5/10/2013	7.27	s.u.
MW-23s**	pH	5/16/2013	7.59	s.u.
MW-25s	pH	5/9/2013	7.17	s.u.
MW-26s	pH	5/9/2013	7.19	s.u.
MW-27i	pH	5/9/2013	6.93	s.u.
MW-29	pH	5/14/2013	6.93	s.u.
MW-30	pH	5/9/2013	7.24	s.u.
MW-31	pH	5/14/2013	7.24	s.u.
MW-01i	TEMP	5/14/2013	14.34	deg C
MW-01s**	TEMP	5/14/2013	14.15	deg C
MW-03i	TEMP	5/14/2013	10.38	deg C
MW-07i	TEMP	5/14/2013	10.31	deg C
MW-10i	TEMP	5/9/2013	12.90	deg C
MW-11i	TEMP	5/14/2013	12.13	deg C
MW-11s**	TEMP	5/14/2013	13.46	deg C
MW-12i	TEMP	5/9/2013	12.52	deg C
MW-13iNew	TEMP	5/14/2013	12.36	deg C
MW-14iNew	TEMP	5/14/2013	11.16	deg C
MW-16New	TEMP	5/13/2013	12.88	deg C
MW-17New	TEMP	5/13/2013	12.05	deg C
MW-18i	TEMP	5/10/2013	12.64	deg C
MW-18s	TEMP	5/10/2013	13.37	deg C
MW-21s	TEMP	5/14/2013	12.52	deg C

MW-22i	TEMP	5/10/2013	12.44	deg C
MW-23s**	TEMP	5/16/2013	13.17	deg C
MW-25s	TEMP	5/9/2013	13.02	deg C
MW-26s	TEMP	5/9/2013	12.35	deg C
MW-27i	TEMP	5/9/2013	11.93	deg C
MW-29	TEMP	5/14/2013	12.86	deg C
MW-30	TEMP	5/9/2013	11.39	deg C
MW-31	TEMP	5/14/2013	13.45	deg C
MW-01i	TURB	5/14/2013	65.6	NTU
MW-01s**	TURB	5/14/2013	0	NTU
MW-03i	TURB	5/14/2013	11.7	NTU
MW-07i	TURB	5/14/2013	0.20	NTU
MW-10i	TURB	5/9/2013	33.5	NTU
MW-11i	TURB	5/14/2013	12.4	NTU
MW-11s**	TURB	5/14/2013	0	NTU
MW-12i	TURB	5/9/2013	768	NTU
MW-13iNew	TURB	5/14/2013	582	NTU
MW-14iNew	TURB	5/14/2013	800	NTU
MW-16New	TURB	5/13/2013	243	NTU
MW-17New	TURB	5/13/2013	0	NTU
MW-18i	TURB	5/10/2013	122	NTU
MW-18s	TURB	5/10/2013	800	NTU
MW-21s	TURB	5/14/2013	234	NTU
MW-22i	TURB	5/10/2013	43.9	NTU
MW-23s**	TURB	5/16/2013	133	NTU
MW-25s	TURB	5/9/2013	217	NTU
MW-26s	TURB	5/9/2013	45.7	NTU
MW-27i	TURB	5/9/2013	138	NTU
MW-29	TURB	5/14/2013	0	NTU
MW-30	TURB	5/9/2013	232	NTU
MW-31	TURB	5/14/2013	0	NTU
MW-01i	COND	5/14/2013	1880	uS/cm
MW-01s**	COND	5/14/2013	1260	uS/cm
MW-03i	COND	5/14/2013	1160	uS/cm
MW-07i	COND	5/14/2013	1100	uS/cm
MW-10i	COND	5/9/2013	999	uS/cm
MW-11i	COND	5/14/2013	1570	uS/cm
MW-11s**	COND	5/14/2013	1420	uS/cm
MW-12i	COND	5/9/2013	1540	uS/cm
MW-13iNew	COND	5/14/2013	2410	uS/cm
MW-14iNew	COND	5/14/2013	1660	uS/cm
MW-16New	COND	5/13/2013	1080	uS/cm
MW-17New	COND	5/13/2013	798	uS/cm
MW-18i	COND	5/10/2013	749	uS/cm
MW-18s	COND	5/10/2013	1130	uS/cm
MW-21s	COND	5/14/2013	1680	uS/cm
MW-22i	COND	5/10/2013	1000	uS/cm
MW-23s**	COND	5/16/2013	1120	uS/cm
MW-25s	COND	5/9/2013	876	uS/cm
MW-26s	COND	5/9/2013	1720	uS/cm
MW-27i	COND	5/9/2013	1500	uS/cm
MW-29	COND	5/14/2013	2160	uS/cm
MW-30	COND	5/9/2013	901	uS/cm
MW-31	COND	5/14/2013	324	uS/cm
MW-01i	DO	5/14/2013	1.28	mg/L
MW-01s**	DO	5/14/2013	2.11	mg/L
MW-03i	DO	5/14/2013	0.55	mg/L
MW-07i	DO	5/14/2013	1.63	mg/L
MW-10i	DO	5/9/2013	6.24	mg/L
MW-11i	DO	5/14/2013	7.75	mg/L
MW-11s**	DO	5/14/2013	4.37	mg/L
MW-12i	DO	5/9/2013	0.32	mg/L
MW-13iNew	DO	5/14/2013	1.30	mg/L

MW-14iNew	DO	5/14/2013	1.62	mg/L
MW-16New	DO	5/13/2013	3.69	mg/L
MW-17New	DO	5/13/2013	0.25	mg/L
MW-18i	DO	5/10/2013	0.35	mg/L
MW-18s	DO	5/10/2013	4.02	mg/L
MW-21s	DO	5/14/2013	0.36	mg/L
MW-22i	DO	5/10/2013	0.39	mg/L
MW-23s**	DO	5/16/2013	7.59	mg/L
MW-25s	DO	5/9/2013	5.84	mg/L
MW-26s	DO	5/9/2013	0.55	mg/L
MW-27i	DO	5/9/2013	1.05	mg/L
MW-29	DO	5/14/2013	0.31	mg/L
MW-30	DO	5/9/2013	4.39	mg/L
MW-31	DO	5/14/2013	3.37	mg/L

** Bailer used for sampling. Horiba measurements were taken.

Table 5. Analytical Methods and Sampling Requirements for Groundwater Samples Collected at the Industrial Excess Landfill, Uniontown, OH

Parameter	Analytical Method	Bottle Requirement	Preservative	Sample Hold Time
TCL Volatiles	SW-846 8260B	2 x 40 ml VOA vials	HCL Ice to 4°C	14 days from sampling date
TCL Semi-Volatiles	SW-846 8270C	2 x 1L Amber glass	Ice to 4 °C	7 days from sampling date to extraction, 40 days from extraction to analysis
TAL Metals (total)	SW-846 6010B SW-846 7470A	500 ml HPDE	HNO_3 to pH < 2 Ice to 4°C	6 months from sampling date for all except Hg; 28 days from sampling date for Hg
Total Cyanide	SW-846 9012A	250 ml HPDE	NaOH to pH > 12	28 days from sampling date
Ferrous Iron	SM18 3500-Fe D	250 ml HPDE	Ice to 4°C	Analyze w/in 24 hours of receipt at lab
Chloride	EPA Method 300.0A	500 ml HPDE	Ice to 4°C	7 days from sampling date
Sulfate	EPA Method 300.0A	500 ml HPDE	Ice to 4°C	28 days from sampling date
Sulfide	EPA Method 376.1	500 ml HPDE	ZnAc/NaOH to pH>12	7 days from sampling date
Ammonia (as N)	EPA Method 350.3	250 ml HPDE	H_2SO_4 to pH < 2 Ice to 4°C	28 days from sampling date
Nitrate/Nitrite	EPA Method 353.2	500 ml. HPDE	H_2SO_4 to pH < 2 Ice to 4°C	28 days from sampling date

TABLE 6 Reporting Limits and Method Detection Limits for Test America Laboratories
May 2013 Sampling Event - Industrial Excess Landfill, Uniontown, Ohio

Analyte	CAS Number	Units	Laboratory Reporting Limit	Laboratory Method Detection Limit	MCL
Conventionals and Inorganics					
Ammonia (as N)	7664-41-7	mg/L	0.2 - 1.0	0.035 - 0.18	--
Chloride	16887-00-6	mg/L	1.0 - 10	0.1 - 1.0	250*
Nitrate Nitrite as N		mg/L	0.1	0.014	10
Sulfate	14808-79-8	mg/L	1.0 - 10	0.12 - 1.2	250*
Sulfide	18496-25-8	mg/L	1.0	0.67	--
Aluminum	7429-90-5	ug/L	50 - 500	7.5 - 75	--
Antimony	7440-36-0	ug/L	2.0	0.11	6
Arsenic	7440-38-2	ug/L	3.0	0.063	10
Barium	7440-39-3	ug/L	1.0	0.32	2000
Beryllium	7440-41-7	ug/L	1.0	0.031	4.0
Cadmium	7440-43-9	ug/L	1.0	0.026	5.0
Calcium	7440-70-2	ug/L	1000	27	--
Chromium	7440-47-3	ug/L	2.0	0.13	100
Cobalt	7440-48-4	ug/L	1.0	0.02	--
Copper	7440-50-8	ug/L	2.0	0.24	1300
Iron	7439-89-6	ug/L	100 - 200	12 - 24	300*
Lead	7439-92-1	ug/L	1.0	0.14	15
Magnesium	7439-95-4	ug/L	1000	15	--
Manganese	7439-96-5	ug/L	5.0 - 10	0.41 - 0.82	50*
Nickel	7440-02-0	ug/L	2.0	0.088	--
Potassium	7440-09-7	ug/L	1000	5.1	--
Selenium	7782-49-2	ug/L	5.0	0.34	50
Silver	7440-22-4	ug/L	1.0	0.0083	100*
Sodium	7440-23-5	ug/L	1000	4.2	--
Thallium	7440-28-0	ug/L	1.0	0.4	2.0
Zinc	7440-66-6	ug/L	20 - 200	2.1 - 21	5000*
Cyanide, Total	57-12-5	mg/L	0.01 - 0.25	0.0032 - 0.08	0.2
Ferrous Iron	15438-31-0	mg/L	0.05 - 0.25	0.018 - 0.09	--
Mercury	7439-97-6	ug/L	0.2	0.12	2.0
Semi-volatile Organics					
1,1'-Biphenyl	92-52-4	ug/L	0.95 - 1.2	0.76 - 0.93	--
2,2'-oxybis[1-chloropropane]	108-60-1	ug/L	0.95 - 1.2	0.38 - 0.47	--
2,4,5-Trichlorophenol	95-95-4	ug/L	4.8 - 5.8	0.29 - 0.35	--
2,4,6-Trichlorophenol	88-06-2	ug/L	4.8 - 5.8	0.76 - 0.93	--
2,4-Dichlorophenol	120-83-2	ug/L	1.9 - 2.3	0.76 - 0.93	--
2,4-Dimethylphenol	105-67-9	ug/L	1.9 - 2.3	0.76 - 0.93	--
2,4-Dinitrophenol	51-28-5	ug/L	4.8 - 5.8	2.3 - 2.8	--
2,4-Dinitrotoluene	121-14-2	ug/L	4.8 - 5.8	0.26 - 0.31	--
2,6-Dinitrotoluene	606-20-2	ug/L	4.8 - 5.8	0.76 - 0.93	--
2-Chloronaphthalene	91-58-7	ug/L	0.95 - 1.2	0.095 - 0.12	--
2-Chlorophenol	95-57-8	ug/L	0.95 - 1.2	0.28 - 0.34	--
2-Methylnaphthalene	91-57-6	ug/L	0.19 - 0.23	0.095 - 0.12	--
2-Methylphenol	95-48-7	ug/L	0.95 - 1.2	0.76 - 0.93	--
2-Nitroaniline	88-74-4	ug/L	1.9 - 2.3	0.76 - 0.93	--
2-Nitrophenol	88-75-5	ug/L	1.9 - 2.3	0.27 - 0.33	--
3 & 4 Methylphenol	15831-10-4	ug/L	1.9 - 2.3	0.71 - 0.87	--
3,3'-Dichlorobenzidine	91-94-1	ug/L	4.8 - 5.8	0.35 - 0.43	--
3-Nitroaniline	99-09-2	ug/L	1.9 - 2.3	0.27 - 0.33	--
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4.8 - 5.8	2.3 - 2.8	--
4-Bromophenyl phenyl ether	101-55-3	ug/L	1.9 - 2.3	0.76 - 0.93	--
4-Chloro-3-methylphenol	59-50-7	ug/L	1.9 - 2.3	0.76 - 0.93	--
4-Chloroaniline	106-47-8	ug/L	1.9 - 2.3	0.76 - 0.93	--
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	1.9 - 2.3	0.29 - 0.35	--

TABLE 6 Reporting Limits and Method Detection Limits for Test America Laboratories
May 2013 Sampling Event - Industrial Excess Landfill, Uniontown, Ohio

Analyte	CAS Number	Units	Laboratory Reporting Limit	Laboratory Method Detection Limit	MCL
4-Nitroaniline	100-01-6	ug/L	1.9 - 2.3	0.76 - 0.93	--
4-Nitrophenol	100-02-7	ug/L	4.8 - 5.8	2.3 - 2.8	--
Acenaphthene	83-32-9	ug/L	0.19 - 0.23	0.095 - 0.12	--
Acenaphthylene	208-96-8	ug/L	0.19 - 0.23	0.095 - 0.12	--
Acetophenone	98-86-2	ug/L	0.95 - 1.2	0.32 - 0.4	--
Anthracene	120-12-7	ug/L	0.19 - 0.23	0.095 - 0.12	--
Atrazine	1912-24-9	ug/L	0.95 - 1.2	0.32 - 0.4	3.0
Benzaldehyde	100-52-7	ug/L	0.95 - 1.2	0.37 - 0.45	--
Benzo[a]anthracene	56-55-3	ug/L	0.19 - 0.23	0.095 - 0.12	--
Benzo[a]pyrene	50-32-8	ug/L	0.19 - 0.23	0.095 - 0.12	0.2
Benzo[b]fluoranthene	205-99-2	ug/L	0.19 - 0.23	0.095 - 0.12	--
Benzo[g,h,i]perylene	191-24-2	ug/L	0.19 - 0.23	0.095 - 0.12	--
Benzo[k]fluoranthene	207-08-9	ug/L	0.19 - 0.23	0.095 - 0.12	--
Bis(2-chloroethoxy)methane	111-91-1	ug/L	0.95 - 1.2	0.3 - 0.37	--
Bis(2-chloroethyl)ether	111-44-4	ug/L	0.95 - 1.2	0.095 - 0.12	--
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	1.9 - 2.3	0.76 - 0.93	6.0
Butyl benzyl phthalate	85-68-7	ug/L	1.9 - 2.3	0.76 - 0.93	--
Caprolactam	105-60-2	ug/L	4.8 - 5.8	0.76 - 0.93	--
Carbazole	86-74-8	ug/L	0.95 - 1.2	0.27 - 0.33	--
Chrysene	218-01-9	ug/L	0.19 - 0.23	0.095 - 0.12	--
Dibenz(a,h)anthracene	53-70-3	ug/L	0.19 - 0.23	0.095 - 0.12	--
Dibenzofuran	132-64-9	ug/L	0.95 - 1.2	0.095 - 0.12	--
Diethyl phthalate	84-66-2	ug/L	1.9 - 2.3	0.57 - 0.7	--
Dimethyl phthalate	131-11-3	ug/L	1.9 - 2.3	0.28 - 0.34	--
Di-n-butyl phthalate	84-74-2	ug/L	1.9 - 2.3	0.64 - 0.78	--
Di-n-octyl phthalate	117-84-0	ug/L	1.9 - 2.3	0.76 - 0.93	--
Fluoranthene	206-44-0	ug/L	0.19 - 0.23	0.095 - 0.12	--
Fluorene	86-73-7	ug/L	0.19 - 0.23	0.095 - 0.12	--
Hexachlorobenzene	118-74-1	ug/L	0.19 - 0.23	0.095 - 0.12	1.0
Hexachlorobutadiene	87-68-3	ug/L	0.95 - 1.2	0.26 - 0.31	--
Hexachlorocyclopentadiene	77-47-4	ug/L	9.5 - 12	0.76 - 0.93	50
Hexachloroethane	67-72-1	ug/L	0.95 - 1.2	0.76 - 0.93	--
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	0.19 - 0.23	0.095 - 0.12	--
Isophorone	78-59-1	ug/L	0.95 - 1.2	0.26 - 0.31	--
Naphthalene	91-20-3	ug/L	0.19 - 0.23	0.095 - 0.12	--
Nitrobenzene	98-95-3	ug/L	0.95 - 1.2	0.038 - 0.047	--
N-Nitrosodi-n-propylamine	621-64-7	ug/L	0.95 - 1.2	0.76 - 0.93	--
N-Nitrosodiphenylamine	86-30-6	ug/L	0.95 - 1.2	0.3 - 0.36	--
Pentachlorophenol	87-86-5	ug/L	4.8 - 5.8	2.3 - 2.8	1.0
Phenanthrene	85-01-8	ug/L	0.19 - 0.23	0.095 - 0.12	--
Phenol	108-95-2	ug/L	0.95 - 1.2	0.57 - 0.7	--
Pyrene	129-00-0	ug/L	0.19 - 0.23	0.095 - 0.12	--
Volatile Organics					
1,1,1-Trichloroethane	71-55-6	ug/L	1.0 - 5.0	0.16 - 1.1	200
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	1.0 - 5.0	0.18 - 0.9	--
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	1.0 - 12	0.28 - 1.7	--
1,1,2-Trichloroethane	79-00-5	ug/L	1.0 - 5.0	0.27 - 1.4	5.0
1,1-Dichloroethane	75-34-3	ug/L	1.0 - 5.0	0.15 - 0.88	--
1,1-Dichloroethene	75-35-4	ug/L	1.0 - 5.0	0.19 - 0.95	7.0
1,2,4-Trichlorobenzene	120-82-1	ug/L	1.0 - 5.0	0.15 - 0.84	70
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2.0 - 20	0.47 - 3.4	0.2
1,2-Dichlorobenzene	95-50-1	ug/L	1.0 - 5.0	0.13 - 0.65	600
1,2-Dichloroethane	107-06-2	ug/L	1.0 - 5.0	0.13 - 1.1	5.0
1,2-Dichloropropane	78-87-5	ug/L	1.0 - 5.0	0.18 - 0.9	5.0
1,3-Dichlorobenzene	541-73-1	ug/L	1.0 - 5.0	0.13 - 0.7	--

TABLE 6 Reporting Limits and Method Detection Limits for Test America Laboratories
May 2013 Sampling Event - Industrial Excess Landfill, Uniontown, Ohio

Analyte	CAS Number	Units	Laboratory Reporting Limit	Laboratory Method Detection Limit	MCL
1,4-Dichlorobenzene	106-46-7	ug/L	1.0 - 5.0	0.13 - 0.65	75
2-Butanone (MEK)	78-93-3	ug/L	6.0 - 50	0.57 - 8	--
2-Hexanone	591-78-6	ug/L	5.0 - 50	0.41 - 6.8	--
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5.0 - 50	0.32 - 3.9	--
Acetone	67-64-1	ug/L	10 - 50	1.1 - 7.6	--
Benzene	71-43-2	ug/L	1.0 - 5.0	0.13 - 0.65	5.0
Bromoform	75-25-2	ug/L	1.0 - 5.0	0.19 - 3.2	80
Bromomethane	74-83-9	ug/L	1.0 - 8.0	0.21 - 2.1	--
Carbon disulfide	75-15-0	ug/L	1.0 - 8.0	0.13 - 1.8	--
Carbon tetrachloride	56-23-5	ug/L	1.0 - 5.0	0.13 - 0.76	5.0
Chlorobenzene	108-90-7	ug/L	1.0 - 5.0	0.15 - 0.75	100
Chlorodibromomethane	124-48-1	ug/L	1.0 - 5.0	0.17 - 0.9	80
Chloroethane	75-00-3	ug/L	1.0 - 8.0	0.29 - 1.6	--
Chloroform	67-66-3	ug/L	1.0 - 5.0	0.16 - 0.8	80
Chloromethane	74-87-3	ug/L	1.0 - 8.0	0.3 - 1.5	--
cis-1,2-Dichloroethene	156-59-2	ug/L	1.0 - 5.0	0.15 - 0.85	70
cis-1,3-Dichloropropene	10061-01-5	ug/L	1.0 - 5.0	0.14 - 0.7	--
Cyclohexane	110-82-7	ug/L	1.0 - 8.0	0.12 - 1.1	--
Dichlorobromomethane	75-27-4	ug/L	1.0 - 5.0	0.15 - 0.75	80
Dichlorodifluoromethane	75-71-8	ug/L	1.0 - 8.0	0.31 - 1.6	--
Ethylbenzene	100-41-4	ug/L	1.0 - 5.0	0.16 - 0.85	700
Ethylene Dibromide	106-93-4	ug/L	1.0 - 5.0	0.18 - 1.2	0.05
Isopropylbenzene	98-82-8	ug/L	1.0 - 5.0	0.13 - 0.76	--
Methyl acetate	79-20-9	ug/L	5.0 - 50	0.38 - 6.6	--
Methyl tert-butyl ether	1634-04-4	ug/L	1.0 - 20	0.17 - 1	--
Methylcyclohexane	108-87-2	ug/L	1.0 - 5.0	0.13 - 1.4	--
Methylene Chloride	75-09-2	ug/L	1.0 - 8.0	0.32 - 1.7	5.0
Styrene	100-42-5	ug/L	1.0 - 5.0	0.11 - 0.68	100
Tetrachloroethene	127-18-4	ug/L	1.0 - 5.0	0.2 - 1.5	5.0
Toluene	108-88-3	ug/L	1.0 - 5.0	0.13 - 0.68	1000
trans-1,2-Dichloroethene	156-60-5	ug/L	1.0 - 5.0	0.15 - 0.95	100
trans-1,3-Dichloropropene	10061-02-6	ug/L	1.0 - 12	0.19 - 0.95	--
Trichloroethene	79-01-6	ug/L	1.0 - 5.0	0.16 - 0.85	5.0
Trichlorofluoromethane	75-69-4	ug/L	1.0 - 8.0	0.21 - 1.2	--
Vinyl chloride	75-01-4	ug/L	1.0 - 5.0	0.1 - 1.1	2.0
Xylenes, Total	1330-20-7	ug/L	2.0 - 10	0.19 - 1.4	10000

Notes:

* - Secondary MCL value.

Table 7. Data Validation Qualifier Flag Descriptions for the May 2013 Sampling Event
Industrial Excess Landfill, Uniontown, OH

Flags	Organic Data Qualifiers
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the samples and meet quality control criteria. The presence or absence of the analyte cannot be verified.
U	The analyte was analyzed for but not detected above the reported sample quantitation limit.
U *	The analyte was analyzed for but not detected above the reported sample quantitation limit; LCS or LCSD exceeds the control limits
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Flags	Inorganic Data Qualifiers
B	The analyte was found in the blank and sample
J	The associated value is an estimated quantity.
J B	The result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value; the analyte was found in the blank and sample
R	The data are unusable. (Note: Analyte may or may not be present.)
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
UJ	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10i	MW-11i	MW-11s	MW-12i	MW-13i NEW
	Sample Date	05/14/13	05/14/13	05/14/13	05/14/13	05/09/13	05/14/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10I	MW-11i	MW-11s	MW-12I	MW-13i NEW
Analyte	**Units**									
Conventionals and Inorganics										
Ammonia (as N)	mg/L	8	1.8	1.9	3.3	2.7	3.2	0.052 U	0.21	9.3
Chloride	mg/L	260	3.9	97	93	45	190	60	630	210
Nitrate Nitrite as N	mg/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.37	0.014 U	0.014 U
Sulfate	mg/L	27	10	54	37	47	71	160	65	20
Sulfide	mg/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	10	0.67 U
Cyanide, Total	mg/L	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.51	0.0032 U
Ferrous Iron	mg/L	0.58 J	1.4 J	0.082 UJ	0.043 UJ	0.018 UJ	1 J	0.023 UJ	0.5 J	0.6 J
Aluminum	ug/L	11 J	430	9.2 J	18 J	280	25 J	1500	40000	1500
Antimony	ug/L	0.52 U	1.9 J B	0.21 U	0.27 U	0.2 U	0.21 U	1.7 J B	5 B	0.48 U
Arsenic	ug/L	2.8 J B	8.6 B	3.5 B	0.53 J B	2.2 J B	2.9 J B	67 B	67 B	5.9 B
Barium	ug/L	780 B	360 B	460 B	780 B	680 B	200 B	380 B	540 B	630 B
Beryllium	ug/L	0.094 U	0.11 U	0.082 U	0.12 U	0.031 U	0.058 U	0.36 J	1.6	0.32 J
Cadmium	ug/L	0.026 U	1.8	0.026 U	0.026 U	0.05 J	0.026 U	0.75 J	120	0.23 J
Calcium	ug/L	140000 B	160000 B	110000 B	110000 B	110000 B	130000 B	210000 B	170000 B	130000 B
Chromium	ug/L	5.1 U	26	0.6 J	1.9 U	12 B	1.5 U	4300	3100 B	19
Cobalt	ug/L	1.1	6.2	0.18 U	0.48 U	0.5 J	0.26 U	210	27	2.8
Copper	ug/L	11 B	40 B	0.61 U	4.2 B	5.1 B	0.69 U	190 B	300 B	9.3 B
Iron	ug/L	18000 B	14000 B	2900 B	6600 B	3800 B	5800 B	290000 B	69000 B	8700 B
Lead	ug/L	0.74 U	2.2	0.36 U	0.38 U	0.75 J	0.27 U	17	89	5.6
Magnesium	ug/L	41000 B	27000 B	29000 B	29000 B	28000 B	44000 B	38000 B	40000 B	39000 B
Manganese	ug/L	210 B	1600 B	140 B	200 B	230 B	75 B	12000 B	1400 B	110 B
Nickel	ug/L	34 U	23 U	4.9 U	10 U	13 B	35 U	1300 B	700 B	36 U
Potassium	ug/L	8300 B	2800 B	4100 B	3500 B	4700 B	10000 B	3200 B	7700 B	11000 B
Selenium	ug/L	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.9 J	7.2	0.66 J
Silver	ug/L	0.014 U	0.032 U	0.01 U	0.014 U	0.0083 U	0.0083 U	0.094 U	1.6	0.08 U
Sodium	ug/L	170000 B	4400 B	64000 B	78000 B	48000 B	110000 B	32000 B	300000 B	150000 B
Thallium	ug/L	0.4 U	0.59 J	0.4 U	0.4 U	0.4 U	0.4 U	0.97 J	0.61 J	0.4 U
Zinc	ug/L	10 U	67 U	3.7 U	2.3 U	7.4 U	6.3 U	120 U	18000 B	120 U
Mercury	ug/L	0.12 U	0.14 J	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.43	0.12 U
Semi-volatile Organics										
1,1'-Biphenyl	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2,2'-oxybis[1-chloropropane]	ug/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.47 U	0.38 U
2,4,5-Trichlorophenol	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.35 U	0.29 U
2,4,6-Trichlorophenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2,4-Dichlorophenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2,4-Dimethylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2,4-Dinitrophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.8 U	2.3 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10i	MW-11i	MW-11s	MW-12i	MW-13i NEW
	Sample Date	05/14/13	05/14/13	05/14/13	05/14/13	05/09/13	05/14/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10I	MW-11i	MW-11s	MW-12I	MW-13i NEW
Analyte	**Units**									
2,4-Dinitrotoluene	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.31 U	0.26 U
2,6-Dinitrotoluene	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2-Chloronaphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
2-Chlorophenol	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.34 U	0.28 U
2-Methylnaphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.13 J	0.095 U
2-Methylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2-Nitroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
2-Nitrophenol	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.33 U	0.27 U
3 & 4 Methylphenol	ug/L	0.71 U	1.7 J	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.87 U	0.71 U
3,3'-Dichlorobenzidine	ug/L	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.43 U	0.35 U
3-Nitroaniline	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.33 U	0.27 U
4,6-Dinitro-2-methylphenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.8 U	2.3 U
4-Bromophenyl phenyl ether	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
4-Chloro-3-methylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
4-Chloroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
4-Chlorophenyl phenyl ether	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.35 U	0.29 U
4-Nitroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
4-Nitrophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.8 U	2.3 U
Acenaphthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Acenaphthylene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Acetophenone	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.4 U	0.32 U
Anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Atrazine	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.4 U	0.32 U
Benzaldehyde	ug/L	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.65 J	0.37 U
Benzo[a]anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.49	0.095 U
Benzo[a]pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.86	0.095 U
Benzo[b]fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.9	0.095 U
Benzo[g,h,i]perylene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.4	0.095 U
Benzo[k]fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.68	0.095 U
Bis(2-chloroethoxy)methane	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.37 U	0.3 U
Bis(2-chloroethyl)ether	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Bis(2-ethylhexyl) phthalate	ug/L	0.76 U	0.96 J	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	19	0.76 U
Butyl benzyl phthalate	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
Caprolactam	ug/L	0.76 U	58	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
Carbazole	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.33 U	0.27 U
Chrysene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1	0.095 U
Dibenz(a,h)anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Dibenzofuran	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10i	MW-11i	MW-11s	MW-12i	MW-13i NEW
	Sample Date	05/14/13	05/14/13	05/14/13	05/14/13	05/09/13	05/14/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10I	MW-11i	MW-11s	MW-12I	MW-13i NEW
Analyte	**Units**									
Diethyl phthalate	ug/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.7 U	0.57 U
Dimethyl phthalate	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.34 U	0.28 U
Di-n-butyl phthalate	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.78 U	0.64 U
Di-n-octyl phthalate	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
Fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.7	0.095 U
Fluorene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Hexachlorobenzene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U
Hexachlorobutadiene	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.31 U	0.26 U
Hexachlorocyclopentadiene	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 R	0.76 U
Hexachloroethane	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
Indeno[1,2,3-cd]pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.98	0.095 U
Isophorone	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.31 U	0.26 U
Naphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.17 J	0.095 U
Nitrobenzene	ug/L	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.047 U	0.038 U
N-Nitrosodi-n-propylamine	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U
N-Nitrosodiphenylamine	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.36 U	0.3 U
Pentachlorophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.8 U	2.3 U
Phenanthrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.78	0.095 U
Phenol	ug/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.7 U	0.57 U
Pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.7	0.095 U
Volatile Organics										
1,1,1-Trichloroethane	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.22 U	0.16 U	0.16 U	1.1 U	0.16 U
1,1,2,2-Tetrachloroethane	ug/L	0.21 U	0.21 U	0.21 U	0.21 U	0.18 U	0.21 U	0.21 U	0.9 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	0.42 U	0.42 U	0.42 U	0.42 U	0.28 U	0.42 U	0.42 U	1.4 U	0.42 U
1,1,2-Trichloroethane	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	1.4 U	0.27 U
1,1-Dichloroethane	ug/L	0.22 U	0.22 U	0.22 U	0.22 U	0.15 U	1.5	0.22 U	0.75 U	0.22 U
1,1-Dichloroethene	ug/L	0.23 U	0.23 U	0.23 U	0.23 U	0.19 U	0.23 U	0.23 U	0.95 U	0.23 U
1,2,4-Trichlorobenzene	ug/L	0.21 U	0.21 U	0.21 U	0.21 U	0.15 U	0.21 U	0.21 U	0.75 U	0.21 U
1,2-Dibromo-3-Chloropropane	ug/L	0.47 U	0.47 U	0.47 U	0.47 U	0.67 U	0.47 U	0.47 U	3.4 U	0.47 U
1,2-Dichlorobenzene	ug/L	0.15 U	0.15 U	0.15 U	0.15 U	0.13 U	0.15 U	0.15 U	0.65 U	0.15 U
1,2-Dichloroethane	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.22 U	0.71 J	0.13 U	1.1 U	0.13 U
1,2-Dichloropropane	ug/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.9 U	0.18 U
1,3-Dichlorobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U	0.13 U	0.13 U	0.7 U	0.13 U
1,4-Dichlorobenzene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.13 U	0.16 U	0.16 U	0.65 U	0.16 U
2-Butanone (MEK)	ug/L	2 U	2 U	2 U	2 U	0.57 U	2 U	2 U	2.9 U	2 U
2-Hexanone	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	0.41 U	1.7 U	1.7 U	2.1 U	1.7 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.98 U	0.98 U	0.98 U	0.98 U	0.32 U	0.98 U	0.98 U	1.6 U	0.98 U
Acetone	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.1 U	1.9 U	1.9 U	5.5 U	1.9 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10i	MW-11i	MW-11s	MW-12i	MW-13i NEW
	Sample Date	05/14/13	05/14/13	05/14/13	05/14/13	05/09/13	05/14/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10I	MW-11i	MW-11s	MW-12I	MW-13i NEW
Analyte	Units									
Benzene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.13 U	0.16 U	0.16 U	0.65 U	0.16 U
Bromoform	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.64 U	0.19 U	0.19 U	3.2 U	0.19 U
Bromomethane	ug/L	0.21 U	0.21 U	0.21 U	0.21 U	0.41 U	0.21 U	0.21 U	2.1 U	0.21 U
Carbon disulfide	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.13 U	0.45 U	0.45 U	0.65 U	0.45 U
Carbon tetrachloride	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.13 U	0.19 U	0.19 U	0.65 U	0.19 U
Chlorobenzene	ug/L	0.17 U	0.98 J	0.17 U	0.17 U	0.15 U	0.17 U	0.17 U	0.75 U	0.17 U
Chlorodibromomethane	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.17 U	0.17 U	0.9 U	0.17 U
Chloroethane	ug/L	0.41 U	0.41 U	0.41 U	0.41 U	0.29 U	7.8	0.41 U	1.5 U	0.41 U
Chloroform	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.8 U	0.16 U
Chloromethane	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U
cis-1,2-Dichloroethene	ug/L	0.15 U	0.15 U	0.15 U	0.15 U	0.17 U	0.89 J	0.15 U	0.85 U	0.15 U
cis-1,3-Dichloropropene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.14 U	0.16 U	0.16 U	0.7 U	0.16 U
Cyclohexane	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.12 U	0.28 U	0.28 U	0.6 U	0.28 U
Dichlorobromomethane	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.15 U	0.17 U	0.17 U	0.75 U	0.17 U
Dichlorodifluoromethane	ug/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.6 U	0.31 U
Ethylbenzene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.16 U	0.16 U	0.85 U	0.16 U
Ethylene Dibromide	ug/L	0.18 U	0.18 U	0.18 U	0.18 U	0.24 U	0.18 U	0.18 U	1.2 U	0.18 U
Isopropylbenzene	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.13 U	0.19 U	0.19 U	0.65 U	0.19 U
Methyl acetate	ug/L	1.6 U	1.6 U	1.6 U	1.6 U	0.38 U	1.6 U	1.6 U	1.9 U	1.6 U
Methyl tert-butyl ether	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	0.17 U	0.25 U	0.25 U	0.85 U	0.25 U
Methylcyclohexane	ug/L	0.36 U	0.36 U	0.36 U	0.36 U	0.13 U	0.36 U	0.36 U	0.65 U	0.36 U
Methylene Chloride	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.33 U	0.32 U	0.32 U	5 U	0.32 U
Styrene	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.11 U	0.17 U	0.17 U	0.55 U	0.17 U
Tetrachloroethene	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	1.5 U	0.2 U
Toluene	ug/L	0.17 U	1 U	0.17 U	0.17 U	0.13 U	0.17 U	0.17 U	0.65 U	0.17 U
trans-1,2-Dichloroethene	ug/L	0.15 U	0.15 U	0.15 U	0.15 U	0.19 U	0.15 U	0.15 U	0.95 U	0.15 U
trans-1,3-Dichloropropene	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.95 U	0.19 U
Trichloroethene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.16 U	0.16 U	0.85 U	0.16 U
Trichlorofluoromethane	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.21 U	0.29 U	0.29 U	1.1 U	0.29 U
Vinyl chloride	ug/L	2.5	0.1 U	0.1 U	0.1 U	0.22 U	2.9	0.1 U	1.1 U	0.1 U
Xylenes, Total	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.28 U	0.19 U	0.19 U	1.4 U	0.19 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18i	MW-18s	MW-21s	MW-22i	MW-23s	MW-25s
	Sample Date	05/14/13	05/13/13	05/13/13	05/10/13	05/10/13	05/14/13	05/10/13	05/16/13	05/09/13
	Field ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18I	MW-18S	MW-21s	MW-22I	MW-23S	MW-25S
Analyte	**Units**									
Conventionals and Inorganics										
Ammonia (as N)	mg/L	0.98	0.035 U	0.044 J	0.54 B	0.2	12	0.13 J	0.61 J	0.064 J
Chloride	mg/L	190	84	65	54	14	160	100	9.3	63
Nitrate Nitrite as N	mg/L	0.014 U	5.5	0.071 J	0.014 U	7	0.034 J	0.014 U	0.092 J	3
Sulfate	mg/L	54	54	69	36	62	33	80	21	70
Sulfide	mg/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	1.2	0.67 U	0.67 U	0.67 U
Cyanide, Total	mg/L	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 J	0.0032 U
Ferrous Iron	mg/L	0.2 J	0.033 J	0.043 J	0.13 J	0.018 UJ	2.6 J	1 J	0.82 J	0.033 J
Aluminum	ug/L	13000	48000	36000	16 J	6900	120 J	2000	6600 J	800
Antimony	ug/L	0.45 U	2.5 B	0.86 JB	0.59 U	0.74 U	0.27 U	0.99 U	0.9 U	0.29 U
Arsenic	ug/L	7.1 B	160 B	29 B	4.8 B	13 B	4.7 B	2.7 J B	11 B	1.5 J B
Barium	ug/L	340 B	390 B	380 B	390 B	160 B	270 B	260 B	230 B	110 B
Beryllium	ug/L	0.81 J	3.6	2.3	0.031 U	0.52 U	0.086 U	0.3 U	0.42 J	0.052 J
Cadmium	ug/L	0.067 J	1.3	0.38 J	0.035 J	0.41 J	0.026 U	0.31 J	0.28 J	0.084 J
Calcium	ug/L	130000 B	190000 B	120000 B	84000 B	170000 B	120000 B	110000 B	110000 B	110000 B
Chromium	ug/L	22	190	100	730	170	1.7 U	620	470 J	120 B
Cobalt	ug/L	7.8	61	39	1.6	9.9	2.2	2.5	12	8.6
Copper	ug/L	22 B	210 B	66 B	11 B	42 B	12 B	14 B	41 B	19 B
Iron	ug/L	22000 B	180000	76000	8600	18000	8200 B	5400	28000	13000 B
Lead	ug/L	10	150	43	0.65 J	13	0.74 U	3.6	17 J	3.5
Magnesium	ug/L	35000 B	64000 B	36000 B	20000 B	41000 B	60000 B	25000 B	28000 B	23000 B
Manganese	ug/L	330 B	2700	1200	150 B	1300 B	560 B	150 B	640 B	460 B
Nickel	ug/L	34 U	160	93	100	120	58 B	180	240 J	650 B
Potassium	ug/L	6800 B	11000	11000	2200	3700	25000 B	1900	4300 B	2600 B
Selenium	ug/L	1.5 J	28	5	0.34 U	1.3 J	0.34 U	0.56 J	0.97 J	0.34 U
Silver	ug/L	0.046 U	0.3 J	0.1 J	0.0083 U	0.047 J	0.009 U	0.082 J	0.085 U	0.014 J
Sodium	ug/L	120000 B	57000 B	22000 B	35000 B	16000 B	120000 B	38000 B	6500 B	39000 B
Thallium	ug/L	0.4 U	1.1	1	0.4 U	1.2 U	0.4 U	1.3 U	0.4 U	0.4 U
Zinc	ug/L	62 U	720 B	230 B	7.3 U	97 B	7.1 U	22 U	120 B	40 U
Mercury	ug/L	0.12 U	0.37	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Semi-volatile Organics										
1,1'-Biphenyl	ug/L	0.76 U	0.76 U	0.76 U	0.76 UJ	0.76 UJ	0.76 U	0.76 U	0.76 U	0.76 U
2,2'-oxybis[1-chloropropane]	ug/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
2,4,6-Trichlorophenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,4-Dichlorophenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,4-Dimethylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,4-Dinitrophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18i	MW-18s	MW-21s	MW-22i	MW-23s	MW-25s
	Sample Date	05/14/13	05/13/13	05/13/13	05/10/13	05/10/13	05/14/13	05/10/13	05/16/13	05/09/13
	Field ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18I	MW-18S	MW-21s	MW-22I	MW-23S	MW-25S
Analyte	**Units**									
2,4-Dinitrotoluene	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
2,6-Dinitrotoluene	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2-Chloronaphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U
2-Chlorophenol	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2-Methylnaphthalene	ug/L	0.095 U	0.1 J	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U
2-Methylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2-Nitroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2-Nitrophenol	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
3 & 4 Methylphenol	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
3,3'-Dichlorobenzidine	ug/L	0.35 U	0.35 U	0.35 U	0.35 UJ	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
3-Nitroaniline	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
4,6-Dinitro-2-methylphenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
4-Bromophenyl phenyl ether	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Chloro-3-methylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Chloroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Chlorophenyl phenyl ether	ug/L	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U
4-Nitroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Nitrophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Acenaphthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U
Acenaphthylene	ug/L	0.095 U	0.095 U	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U
Acetophenone	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Atrazine	ug/L	0.32 U	0.32 U	0.32 U	0.32 U *	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Benzaldehyde	ug/L	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Benzo[a]anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[a]pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[b]fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[g,h,i]perylene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[k]fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Bis(2-chloroethoxy)methane	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bis(2-chloroethyl)ether	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Bis(2-ethylhexyl) phthalate	ug/L	0.76 U	0.88 J	0.76 U	0.76 U	0.76 U	0.76 U	4.9	1 J	0.76 U
Butyl benzyl phthalate	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Caprolactam	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Carbazole	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chrysene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Dibenz(a,h)anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Dibenzofuran	ug/L	0.095 U	0.095 U	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18i	MW-18s	MW-21s	MW-22i	MW-23s	MW-25s
	Sample Date	05/14/13	05/13/13	05/13/13	05/10/13	05/10/13	05/14/13	05/10/13	05/16/13	05/09/13
	Field ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18I	MW-18S	MW-21s	MW-22I	MW-23S	MW-25S
Analyte	**Units**									
Diethyl phthalate	ug/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Dimethyl phthalate	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Di-n-butyl phthalate	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.69 J	0.64 U
Di-n-octyl phthalate	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Fluorene	ug/L	0.095 U	0.095 U	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U
Hexachlorobenzene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Hexachlorobutadiene	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Hexachlorocyclopentadiene	ug/L	0.76 U	0.76 UJ	0.76 UJ	0.76 UJ	0.76 UJ	0.76 U	0.76 UJ	0.76 UJ	0.76 U
Hexachloroethane	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Indeno[1,2,3-cd]pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Isophorone	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Naphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Nitrobenzene	ug/L	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
N-Nitrosodi-n-propylamine	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
N-Nitrosodiphenylamine	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Phenanthrene	ug/L	0.095 U	0.13 J	0.095 U	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U
Phenol	ug/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	1.6	0.57 U
Pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Volatile Organics										
1,1,1-Trichloroethane	ug/L	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.16 U	0.22 U
1,1,2,2-Tetrachloroethane	ug/L	0.21 U	0.18 U	0.18 U	0.18 U	0.18 U	0.21 U	0.18 U	0.21 U	0.18 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	0.42 U	0.28 U	0.28 U	0.28 U	0.28 U	0.42 U	0.28 U	0.42 U	0.28 U
1,1,2-Trichloroethane	ug/L	0.27 U	0.27 U	0.27 U	0.27 UJ	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	ug/L	0.22 U	0.15 U	0.15 U	0.15 UJ	0.15 U	1 J	0.15 U	1.3	0.15 U
1,1-Dichloroethene	ug/L	0.23 U	0.19 U	0.19 U	0.19 U	0.19 U	0.23 U	0.19 U	0.23 U	0.19 U
1,2,4-Trichlorobenzene	ug/L	0.21 U	0.15 U	0.15 U	0.15 U	0.15 U	0.21 U	0.15 U	0.21 U	0.15 U
1,2-Dibromo-3-Chloropropane	ug/L	0.47 U	0.67 U	0.67 U	0.67 U	0.67 U	0.47 U	0.67 U	0.47 U	0.67 U
1,2-Dichlorobenzene	ug/L	0.15 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.15 U	0.13 U	0.15 U	0.13 U
1,2-Dichloroethane	ug/L	0.13 U	0.22 U	0.22 U	0.22 U	0.22 U	6.3 J	0.22 U	0.13 U	0.22 U
1,2-Dichloropropane	ug/L	0.18 U	0.18 U	0.18 U	0.18 UJ	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	ug/L	0.13 U	0.14 U	0.14 U	0.14 UJ	0.14 U	0.13 U	0.14 U	0.13 U	0.14 U
1,4-Dichlorobenzene	ug/L	0.16 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.16 U	0.13 U	0.16 U	0.13 U
2-Butanone (MEK)	ug/L	2 U	0.57 U	0.57 U	0.57 U	0.57 U	2 U	0.57 U	2 U	0.57 U
2-Hexanone	ug/L	1.7 U	0.41 U	0.41 U	0.41 U	0.41 U	1.7 U	0.41 U	1.7 U	0.41 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.98 U	0.32 U	0.32 U	0.32 U	0.32 U	0.98 U	0.32 U	0.98 U	0.32 U
Acetone	ug/L	1.9 U	1.1 U	1.1 U	1.1 U	1.1 U	1.9 U	1.1 U	1.9 U	1.1 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18i	MW-18s	MW-21s	MW-22i	MW-23s	MW-25s
	Sample Date	05/14/13	05/13/13	05/13/13	05/10/13	05/10/13	05/14/13	05/10/13	05/16/13	05/09/13
	Field ID	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18I	MW-18S	MW-21s	MW-22I	MW-23S	MW-25S
Analyte	**Units**									
Benzene	ug/L	0.16 U	0.15 J	0.13 U	0.13 UJ	0.13 U	1.5	0.13 U	0.16 U	0.13 U
Bromoform	ug/L	0.19 U	0.64 U	0.64 U	0.64 U	0.64 U	0.19 U	0.64 U	0.19 U	0.64 U
Bromomethane	ug/L	0.21 U	0.41 U	0.41 U	0.41 U	0.41 U	0.21 U	0.41 U	0.21 U	0.41 U
Carbon disulfide	ug/L	0.45 U	0.13 U	0.13 U	0.13 U	0.13 U	0.45 U	0.13 U	0.45 U	0.13 U
Carbon tetrachloride	ug/L	0.19 U	0.13 U	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	0.19 U	0.13 U
Chlorobenzene	ug/L	0.17 U	0.15 U	0.15 U	0.15 UJ	0.15 U	0.17 U	0.15 U	0.17 U	0.15 U
Chlorodibromomethane	ug/L	0.17 U	0.18 U	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U	0.17 U	0.18 U
Chloroethane	ug/L	0.41 U	0.29 U	0.29 U	0.29 U	0.29 U	17	0.29 U	0.41 U	0.29 U
Chloroform	ug/L	0.16 U	0.16 U	0.16 U	0.16 UJ	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloromethane	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	ug/L	0.15 U	0.17 U	0.17 U	0.17 UJ	0.17 U	15	0.17 U	2.7	0.17 U
cis-1,3-Dichloropropene	ug/L	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.16 U	0.14 U
Cyclohexane	ug/L	0.28 U	0.13 J	0.12 U	0.12 U	0.12 U	0.28 U	0.12 U	0.28 U	0.12 U
Dichlorobromomethane	ug/L	0.17 U	0.15 U	0.15 U	0.15 UJ	0.15 U	0.17 U	0.15 U	0.17 U	0.15 U
Dichlorodifluoromethane	ug/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Ethylbenzene	ug/L	0.16 U	0.17 U	0.17 U	0.17 UJ	0.17 U	0.16 U	0.17 U	0.16 U	0.17 U
Ethylene Dibromide	ug/L	0.18 U	0.24 U	0.24 U	0.24 UJ	0.24 U	0.18 U	0.24 U	0.18 U	0.24 U
Isopropylbenzene	ug/L	0.19 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.19 U	0.13 U	0.19 U	0.13 U
Methyl acetate	ug/L	1.6 U	0.38 U	0.38 U	0.38 U	0.38 U	1.6 U	0.38 U	1.6 U	0.38 U
Methyl tert-butyl ether	ug/L	0.25 U	0.17 U	0.17 U	0.17 U	0.17 U	0.25 J	0.17 U	0.25 U	0.17 U
Methylcyclohexane	ug/L	0.36 U	0.62 J	0.13 U	0.13 U	0.13 U	0.36 U	0.13 U	0.36 U	0.13 U
Methylene Chloride	ug/L	0.32 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.32 U	0.33 U	0.32 U	0.33 U
Styrene	ug/L	0.17 U	0.11 U	0.11 U	0.11 UJ	0.11 U	0.17 U	0.11 U	0.17 U	0.11 U
Tetrachloroethene	ug/L	0.2 U	0.29 U	0.29 U	0.29 U	0.79 J	0.2 U	0.29 U	0.2 U	0.29 U
Toluene	ug/L	0.17 U	1 U	0.13 U	0.13 UJ	0.13 U	0.17 U	0.13 U	0.17 U	0.13 U
trans-1,2-Dichloroethene	ug/L	0.15 U	0.19 U	0.19 U	0.19 UJ	0.19 U	0.28 J	0.19 U	0.15 U	0.19 U
trans-1,3-Dichloropropene	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Trichloroethene	ug/L	0.16 U	0.17 U	0.17 U	0.17 U	0.17 U	0.61 J	0.17 U	0.42 J	0.17 U
Trichlorofluoromethane	ug/L	0.29 U	0.21 U	0.21 U	0.21 U	0.21 U	0.29 U	0.21 U	0.29 U	0.21 U
Vinyl chloride	ug/L	0.1 U	0.22 U	0.22 U	0.22 U	0.22 U	2.2	0.22 U	0.1 U	0.22 U
Xylenes, Total	ug/L	0.19 U	0.28 U	0.28 U	0.28 UJ	0.28 U	0.19 U	0.28 U	0.19 U	0.28 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-26s	MW-27i	MW-29	MW-30	MW-31
	Sample Date	05/09/13	05/09/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-26S	MW-27I	MW-29	MW-30	MW-31
Analyte	**Units**					
Conventionals and Inorganics						
Ammonia (as N)	mg/L	0.52	0.29	4.2	0.16 J	0.066 U
Chloride	mg/L	240	200	320	98	18
Nitrate Nitrite as N	mg/L	0.014 U	0.014 U	0.014 U	0.17	0.29
Sulfate	mg/L	63	76	78	91	21
Sulfide	mg/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Cyanide, Total	mg/L	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U
Ferrous Iron	mg/L	0.18 J	0.12 J	1.3 J	0.053 J	0.15 J
Aluminum	ug/L	3900	560	12000	28000	5400
Antimony	ug/L	0.49 U	0.25 U	1 U	0.88 U	0.64 U
Arsenic	ug/L	6 B	8.5 B	15 B	29 B	5.9 B
Barium	ug/L	690 B	320 B	190 B	250 B	98 B
Beryllium	ug/L	0.24 J	0.067 J	0.76 J	1.5	0.4 J
Cadmium	ug/L	0.099 J	0.11 J	0.32 J	0.39 J	0.33 J
Calcium	ug/L	140000 B	140000 B	160000 B	120000 B	41000 B
Chromium	ug/L	63 B	280 B	350	62 B	86
Cobalt	ug/L	3.7	1.1	16	19	5
Copper	ug/L	9.8 B	4.3 B	81 B	71 B	30 B
Iron	ug/L	12000 B	4500 B	35000 B	50000 B	11000 B
Lead	ug/L	5	0.75 J	31	32	5.7
Magnesium	ug/L	35000 B	33000 B	52000 B	31000 B	8800 B
Manganese	ug/L	220 B	140 B	600 B	1100 B	230 B
Nickel	ug/L	51 B	72 B	260 B	53 B	54 B
Potassium	ug/L	3500 B	2700 B	13000 B	11000 B	4800 B
Selenium	ug/L	0.47 J	0.34 U	1.9 J	3.8 J	0.57 J
Silver	ug/L	0.023 J	0.013 J	0.11 U	0.093 J	0.1 U
Sodium	ug/L	130000 B	95000 B	150000 B	50000 B	7700 B
Thallium	ug/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Zinc	ug/L	31 U	24 U	240 B	180 B	100 U
Mercury	ug/L	0.12 U	0.12 U	0.18 J	0.12 U	0.12 U
Semi-volatile Organics						
1,1'-Biphenyl	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,2'-oxybis[1-chloropropane]	ug/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
2,4,6-Trichlorophenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,4-Dichlorophenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,4-Dimethylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2,4-Dinitrophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-26s	MW-27i	MW-29	MW-30	MW-31
	Sample Date	05/09/13	05/09/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-26S	MW-27I	MW-29	MW-30	MW-31
Analyte	Units					
2,4-Dinitrotoluene	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
2,6-Dinitrotoluene	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2-Chloronaphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
2-Chlorophenol	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2-Methylnaphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.29 J	0.095 U
2-Methylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2-Nitroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
2-Nitrophenol	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
3 & 4 Methylphenol	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
3,3'-Dichlorobenzidine	ug/L	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
3-Nitroaniline	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
4,6-Dinitro-2-methylphenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
4-Bromophenyl phenyl ether	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Chloro-3-methylphenol	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Chloroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Chlorophenyl phenyl ether	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
4-Nitroaniline	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Nitrophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Acenaphthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Acenaphthylene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Acetophenone	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Atrazine	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Benzaldehyde	ug/L	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Benzo[a]anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[a]pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[b]fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[g,h,i]perylene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[k]fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Bis(2-chloroethoxy)methane	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bis(2-chloroethyl)ether	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Bis(2-ethylhexyl) phthalate	ug/L	0.76 U	2.7	0.96 J	0.76 U	0.76 U
Butyl benzyl phthalate	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Caprolactam	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Carbazole	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chrysene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Dibenz(a,h)anthracene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Dibenzofuran	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-26s	MW-27i	MW-29	MW-30	MW-31
	Sample Date	05/09/13	05/09/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-26S	MW-27I	MW-29	MW-30	MW-31
Analyte	**Units**					
Diethyl phthalate	ug/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Dimethyl phthalate	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Di-n-butyl phthalate	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Di-n-octyl phthalate	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Fluoranthene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Fluorene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Hexachlorobenzene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Hexachlorobutadiene	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Hexachlorocyclopentadiene	ug/L	0.76 U	0.76 U	0.76 U	0.76 R	0.76 U
Hexachloroethane	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Indeno[1,2,3-cd]pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Isophorone	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Naphthalene	ug/L	0.095 U	0.095 U	0.095 U	0.15 J	0.095 U
Nitrobenzene	ug/L	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
N-Nitrosodi-n-propylamine	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
N-Nitrosodiphenylamine	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorophenol	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Phenanthrene	ug/L	0.095 U	0.095 U	0.095 U	0.11 J	0.095 U
Phenol	ug/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Pyrene	ug/L	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Volatile Organics						
1,1,1-Trichloroethane	ug/L	0.22 U	0.22 U	0.64 U	0.22 U	0.16 U
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	0.18 U	0.84 U	0.18 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	0.28 U	0.28 U	1.7 U	0.28 U	0.42 U
1,1,2-Trichloroethane	ug/L	0.27 U	0.27 U	1.1 U	0.27 U	0.27 U
1,1-Dichloroethane	ug/L	0.15 U	0.15 U	26	0.15 U	0.22 U
1,1-Dichloroethene	ug/L	0.19 U	0.19 U	1.5 J	0.19 U	0.23 U
1,2,4-Trichlorobenzene	ug/L	0.15 U	0.15 U	0.84 U	0.15 U	0.21 U
1,2-Dibromo-3-Chloropropane	ug/L	0.67 U	0.67 U	1.9 U	0.67 U	0.47 U
1,2-Dichlorobenzene	ug/L	0.13 U	0.13 U	0.6 U	0.13 U	0.15 U
1,2-Dichloroethane	ug/L	0.22 U	0.22 U	19	0.22 U	0.13 U
1,2-Dichloropropane	ug/L	0.18 U	0.18 U	0.72 U	0.18 U	0.18 U
1,3-Dichlorobenzene	ug/L	0.14 U	0.14 U	0.52 U	0.14 U	0.13 U
1,4-Dichlorobenzene	ug/L	0.13 U	0.13 U	0.64 U	0.13 U	0.16 U
2-Butanone (MEK)	ug/L	0.57 U	0.57 U	8 U	0.57 U	2 U
2-Hexanone	ug/L	0.41 U	0.41 U	6.8 U	0.41 U	1.7 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.32 U	0.32 U	3.9 U	0.32 U	0.98 U
Acetone	ug/L	1.1 U	1.1 U	7.6 U	1.1 U	1.9 U

Table 8 Summary of Constituent Results May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	MW-26s	MW-27i	MW-29	MW-30	MW-31
	Sample Date	05/09/13	05/09/13	05/14/13	05/09/13	05/14/13
	Field ID	MW-26S	MW-27I	MW-29	MW-30	MW-31
Analyte	Units					
Benzene	ug/L	0.13 U	0.13 U	0.64 U	0.13 U	0.16 U
Bromoform	ug/L	0.64 U	0.64 U	0.76 U	0.64 U	0.19 U
Bromomethane	ug/L	0.41 U	0.41 U	0.84 U	0.41 U	0.21 U
Carbon disulfide	ug/L	0.13 U	0.13 U	1.8 U	0.24 J	0.45 U
Carbon tetrachloride	ug/L	0.13 U	0.13 U	0.76 U	0.13 U	0.19 U
Chlorobenzene	ug/L	0.15 U	0.15 U	0.68 U	0.15 U	0.17 U
Chlorodibromomethane	ug/L	0.18 U	0.18 U	0.68 U	0.18 U	0.17 U
Chloroethane	ug/L	0.29 U	0.29 U	18	0.29 U	0.41 U
Chloroform	ug/L	0.16 U	0.16 U	0.64 U	0.16 U	0.16 U
Chloromethane	ug/L	0.3 U	0.3 U	1.2 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	ug/L	0.17 U	0.17 U	64	0.17 U	0.15 U
cis-1,3-Dichloropropene	ug/L	0.14 U	0.14 U	0.64 U	0.14 U	0.16 U
Cyclohexane	ug/L	0.12 U	0.12 U	1.1 U	0.12 U	0.28 U
Dichlorobromomethane	ug/L	0.15 U	0.15 U	0.68 U	0.15 U	0.17 U
Dichlorodifluoromethane	ug/L	0.31 U	0.31 U	1.2 U	0.31 U	0.31 U
Ethylbenzene	ug/L	0.17 U	0.17 U	0.64 U	0.17 U	0.16 U
Ethylene Dibromide	ug/L	0.24 U	0.24 U	0.72 U	0.24 U	0.18 U
Isopropylbenzene	ug/L	0.13 U	0.13 U	0.76 U	0.13 U	0.19 U
Methyl acetate	ug/L	0.38 U	0.38 U	6.6 U	0.38 U	1.6 U
Methyl tert-butyl ether	ug/L	0.17 U	0.17 U	1 U	0.17 U	0.25 U
Methylcyclohexane	ug/L	0.13 U	0.13 U	1.4 U	0.13 U	0.36 U
Methylene Chloride	ug/L	0.33 U	0.33 U	1.3 U	0.33 U	0.32 U
Styrene	ug/L	0.11 U	0.11 U	0.68 U	0.11 U	0.17 U
Tetrachloroethene	ug/L	0.29 U	0.29 U	0.8 U	0.29 U	0.2 U
Toluene	ug/L	0.13 U	0.13 U	0.68 U	0.13 U	0.17 U
trans-1,2-Dichloroethene	ug/L	0.19 U	0.19 U	0.6 U	0.19 U	0.15 U
trans-1,3-Dichloropropene	ug/L	0.19 U	0.19 U	0.76 U	0.19 U	0.19 U
Trichloroethene	ug/L	0.17 U	0.17 U	0.64 U	0.17 U	0.16 U
Trichlorofluoromethane	ug/L	0.21 U	0.21 U	1.2 U	0.21 U	0.29 U
Vinyl chloride	ug/L	0.22 U	0.22 U	2.6 J	0.22 U	0.1 U
Xylenes, Total	ug/L	0.28 U	0.28 U	0.76 U	0.28 U	0.19 U

NOTES:
B - analyte found in blank
J - estimated concentratio

Table 9. Summary of Organic Constituents Detected in at Least One Well - May 2013
Industrial Excess Landfill, Uniontown, Ohio

		Sample ID	MW-01i	MW-01s	MW-03i	MW-07I	MW-10i	MW-11i	MW-11s	MW-12i	MW-13i NEW	MW-14i NEW
		Sample Date	05/14/13	05/14/13	05/14/13	05/25/11	05/09/13	05/14/13	05/14/13	05/09/13	05/14/13	05/14/13
		Field ID	MW-01i	MW-01s	MW-03i	MW-07I	MW-10I	MW-11i	MW-11s	MW-12I	MW-13i NEW	MW-14i NEW
Analyte	**Units**	**MCL**										
Semi-volatile Organics												
2-Methylnaphthalene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.13 J	0.095 U	0.095 U
3 & 4 Methylphenol	ug/L	--	0.71 U	1.7 J	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.87 U	0.71 U	0.71 U
Benzaldehyde	ug/L	--	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.65 J	0.37 U	0.37 U
Benzo[a]anthracene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.49	0.095 U	0.095 U
Benzo[a]pyrene	ug/L	0.2	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.86	0.095 U	0.095 U
Benzo[b]fluoranthene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.9	0.095 U	0.095 U
Benzo[g,h,i]perylene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.4	0.095 U	0.095 U
Benzo[k]fluoranthene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.68	0.095 U	0.095 U
Bis(2-ethylhexyl) phthalate	ug/L	6	0.76 U	0.96 J	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	19	0.76 U	0.76 U
Caprolactam	ug/L	--	0.76 U	58	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.93 U	0.76 U	0.76 U
Chrysene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1	0.095 U	0.095 U
Dibenzofuran	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.12 U	0.095 U	0.095 U
Di-n-butyl phthalate	ug/L	--	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.78 U	0.64 U	0.64 U
Fluoranthene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.7	0.095 U	0.095 U
Indeno[1,2,3-cd]pyrene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.98	0.095 U	0.095 U
Naphthalene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.17 J	0.095 U	0.095 U
Phenanthrene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.78	0.095 U	0.095 U
Phenol	ug/L	--	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.7 U	0.57 U	0.57 U
Pyrene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	1.7	0.095 U	0.095 U
Volatile Organics												
1,1-Dichloroethane	ug/L	--	0.22 U	0.22 U	0.22 U	0.22 U	0.15 U	1.5	0.22 U	0.75 U	0.22 U	0.22 U
1,1-Dichloroethene	ug/L	7	0.23 U	0.23 U	0.23 U	0.23 U	0.19 U	0.23 U	0.23 U	0.95 U	0.23 U	0.23 U
1,2-Dichloroethane	ug/L	5	0.13 U	0.13 U	0.13 U	0.13 U	0.22 U	0.71 J	0.13 U	1.1 U	0.13 U	0.13 U
Acetone	ug/L	--	1.9 U	1.9 U	1.9 U	1.9 U	1.1 U	1.9 U	1.9 U	5.5 U	1.9 U	1.9 U
Benzene	ug/L	5	0.16 U	0.16 U	0.16 U	0.16 U	0.13 U	0.16 U	0.16 U	0.65 U	0.16 U	0.16 U
Carbon disulfide	ug/L	--	0.45 U	0.45 U	0.45 U	0.45 U	0.13 U	0.45 U	0.45 U	0.65 U	0.45 U	0.45 U
Chlorobenzene	ug/L	100	0.17 U	0.98 J	0.17 U	0.17 U	0.15 U	0.17 U	0.17 U	0.75 U	0.17 U	0.17 U
Chloroethane	ug/L	--	0.41 U	0.41 U	0.41 U	0.41 U	0.29 U	7.8	0.41 U	1.5 U	0.41 U	0.41 U
Chloroform	ug/L	80	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.8 U	0.16 U	0.16 U
cis-1,2-Dichloroethene	ug/L	70	0.15 U	0.15 U	0.15 U	0.15 U	0.17 U	0.89 J	0.15 U	0.85 U	0.15 U	0.15 U
Cyclohexane	ug/L	--	0.28 U	0.28 U	0.28 U	0.28 U	0.12 U	0.28 U	0.28 U	0.6 U	0.28 U	0.28 U
Methyl tert-butyl ether	ug/L	--	0.25 U	0.25 U	0.25 U	0.25 U	0.17 U	0.25 U	0.25 U	0.85 U	0.25 U	0.25 U
Methylcyclohexane	ug/L	--	0.36 U	0.36 U	0.36 U	0.36 U	0.13 U	0.36 U	0.36 U	0.65 U	0.36 U	0.36 U
Tetrachloroethene	ug/L	5	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	1.5 U	0.2 U	0.2 U
Toluene	ug/L	1000	0.17 U	1 U	0.17 U	0.17 U	0.13 U	0.17 U	0.17 U	0.65 U	0.17 U	0.17 U
trans-1,2-Dichloroethene	ug/L	100	0.15 U	0.15 U	0.15 U	0.15 U	0.19 U	0.15 U	0.15 U	0.95 U	0.15 U	0.15 U
Trichloroethene	ug/L	5	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.16 U	0.16 U	0.85 U	0.16 U	0.16 U
Vinyl chloride	ug/L	2	2.5	0.1 U	0.1 U	0.1 U	0.22 U	2.9	0.1 U	1.1 U	0.1 U	0.1 U

Table 9. Summary of Organic Constituents Detected in at Least One Well - May 2013
Industrial Excess Landfill, Uniontown, Ohio

		Sample ID	MW-16 NEW	MW-17 NEW	MW-18i	MW-18s	MW-21s	MW-22i	MW-23s	MW-25s	MW-26s	MW-27i
		Sample Date	05/13/13	05/13/13	05/10/13	05/10/13	05/14/13	05/10/13	05/16/13	05/09/13	05/09/13	05/09/13
		Field ID	MW-16 NEW	MW-17 NEW	MW-18I	MW-18S	MW-21s	MW-22I	MW-23S	MW-25S	MW-26S	MW-27I
Analyte	**Units**	**MCL**										
Semi-volatile Organics												
2-Methylnaphthalene	ug/L	--	0.095 R	0.095 R	0.095 R	0.095 UJ	0.095 U	0.095 R	0.096 R	0.095 U	0.095 U	0.095 U
3 & 4 Methylphenol	ug/L	--	0.71 U	0.71 U	0.71 R	0.71 R	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Benzaldehyde	ug/L	--	0.37 R	0.37 R	0.37 U	0.37 U	0.37 U	0.37 R	0.37 U	0.37 U	0.37 U	0.37 U
Benzo[a]anthracene	ug/L	--	0.095 R	0.095 U	0.095 R	0.095 R	0.095 U	0.095 U	0.096 R	0.095 U	0.095 U	0.095 U
Benzo[a]pyrene	ug/L	0.2	0.095 R	0.095 R	0.095 U	0.095 R	0.095 U	0.095 R	0.096 R	0.095 U	0.095 U	0.095 U
Benzo[b]fluoranthene	ug/L	--	0.095 R	0.095 R	0.095 R	0.095 R	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[g,h,i]perylene	ug/L	--	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Benzo[k]fluoranthene	ug/L	--	0.095 R	0.095 R	0.095 U	0.095 R	0.095 U	0.095 R	0.096 R	0.095 U	0.095 U	0.095 U
Bis(2-ethylhexyl) phthalate	ug/L	6	1.8 R	1.2 R	0.76 R	0.76 R	0.76 U	6.7 R	1 J	0.76 U	0.76 U	2.7
Caprolactam	ug/L	--	0.76 U	0.76 U	0.76 U	0.76 R	0.76 U	0.76 U	4.3 R	0.76 U	0.76 U	0.76 U
Chrysene	ug/L	--	0.095 U	0.095 U	0.095 R	0.095 U	0.095 U	0.095 U	0.096 R	0.095 U	0.095 U	0.095 U
Dibenzofuran	ug/L	--	0.095 U	0.095 R	0.095 R	0.095 UJ	0.095 U	0.095 R	0.096 R	0.095 U	0.095 U	0.095 U
Di-n-butyl phthalate	ug/L	--	0.64 R	0.64 R	0.64 R	0.64 U	0.64 U	0.64 R	0.64 R	0.64 U	0.64 U	0.64 U
Fluoranthene	ug/L	--	0.095 R	0.095 R	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Indeno[1,2,3-cd]pyrene	ug/L	--	0.095 U	0.095 U	0.095 R	0.095 R	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Naphthalene	ug/L	--	0.095 R	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Phenanthrene	ug/L	--	0.095 R	0.095 R	0.095 UJ	0.095 UJ	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Phenol	ug/L	--	0.57 R	0.57 U	0.57 R	0.57 R	0.57 U	0.57 R	2.7 R	0.57 U	0.57 U	0.57 U
Pyrene	ug/L	--	0.095 R	0.095 R	0.095 U	0.095 R	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Volatile Organics												
1,1-Dichloroethane	ug/L	--	0.15 U	0.15 U	0.15 UJ	0.15 U	1 J	0.15 U	1.3	0.15 U	0.15 U	0.15 U
1,1-Dichloroethene	ug/L	7	0.19 U	0.19 U	0.19 U	0.19 U	0.23 U	0.19 U	0.23 U	0.19 U	0.19 U	0.19 U
1,2-Dichloroethane	ug/L	5	0.22 U	0.22 U	0.22 U	0.22 U	6.3 J	0.22 U	0.13 U	0.22 U	0.22 U	0.22 U
Acetone	ug/L	--	1.1 U	1.1 U	1.1 U	1.1 U	1.9 U	1.1 U	1.9 U	1.1 U	1.1 U	1.1 U
Benzene	ug/L	5	0.15 J	0.13 U	0.13 UJ	0.13 U	1.5	0.13 U	0.16 U	0.13 U	0.13 U	0.13 U
Carbon disulfide	ug/L	--	0.13 U	0.13 U	0.13 U	0.13 U	0.45 U	0.13 U	0.45 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	ug/L	100	0.15 U	0.15 U	0.15 UJ	0.15 U	0.17 U	0.15 U	0.17 U	0.15 U	0.15 U	0.15 U
Chloroethane	ug/L	--	0.29 U	0.29 U	0.29 U	0.29 U	17	0.29 U	0.41 U	0.29 U	0.29 U	0.29 U
Chloroform	ug/L	80	0.16 U	0.16 U	0.16 UJ	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
cis-1,2-Dichloroethene	ug/L	70	0.17 U	0.17 U	0.17 UJ	0.17 U	15	0.17 U	2.7	0.17 U	0.17 U	0.17 U
Cyclohexane	ug/L	--	0.13 J	0.12 U	0.12 U	0.12 U	0.28 U	0.12 U	0.28 U	0.12 U	0.12 U	0.12 U
Methyl tert-butyl ether	ug/L	--	0.17 U	0.17 U	0.17 U	0.17 U	0.25 J	0.17 U	0.25 U	0.17 U	0.17 U	0.17 U
Methylcyclohexane	ug/L	--	0.62 J	0.13 U	0.13 U	0.13 U	0.36 U	0.13 U	0.36 U	0.13 U	0.13 U	0.13 U
Tetrachloroethene	ug/L	5	0.29 U	0.29 U	0.29 U	0.79 J	0.2 U	0.29 U	0.2 U	0.29 U	0.29 U	0.29 U
Toluene	ug/L	1000	1 U	0.13 U	0.13 UJ	0.13 U	0.17 U	0.13 U	0.17 U	0.13 U	0.13 U	0.13 U
trans-1,2-Dichloroethene	ug/L	100	0.19 U	0.19 U	0.19 UJ	0.19 U	0.28 J	0.19 U	0.15 U	0.19 U	0.19 U	0.19 U
Trichloroethene	ug/L	5	0.17 U	0.17 U	0.17 U	0.17 U	0.61 J	0.17 U	0.42 J	0.17 U	0.17 U	0.17 U
Vinyl chloride	ug/L	2	0.22 U	0.22 U	0.22 U	0.22 U	2.2	0.22 U	0.1 U	0.22 U	0.22 U	0.22 U

Table 9. Summary of Organic Constituents Detected in at Least One Well - May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID		MW-29	MW-30	MW-31
	Sample Date		05/14/13	05/09/13	05/14/13
	Field ID		MW-29	MW-30	MW-31
Analyte	Units	MCL			
Semi-volatile Organics					
2-Methylnaphthalene	ug/L	--	0.095 U	0.29 J	0.095 U
3 & 4 Methylphenol	ug/L	--	0.71 U	0.71 U	0.71 U
Benzaldehyde	ug/L	--	0.37 U	0.37 U	0.37 U
Benzo[a]anthracene	ug/L	--	0.095 U	0.095 U	0.095 U
Benzo[a]pyrene	ug/L	0.2	0.095 U	0.095 U	0.095 U
Benzo[b]fluoranthene	ug/L	--	0.095 U	0.095 U	0.095 U
Benzo[g,h,i]perylene	ug/L	--	0.095 U	0.095 U	0.095 U
Benzo[k]fluoranthene	ug/L	--	0.095 U	0.095 U	0.095 U
Bis(2-ethylhexyl) phthalate	ug/L	6	0.96 J	0.76 U	0.76 U
Caprolactam	ug/L	--	0.76 U	0.76 U	0.76 U
Chrysene	ug/L	--	0.095 U	0.095 U	0.095 U
Dibenzofuran	ug/L	--	0.095 U	0.095 U	0.095 U
Di-n-butyl phthalate	ug/L	--	0.64 U	0.64 U	0.64 U
Fluoranthene	ug/L	--	0.095 U	0.095 U	0.095 U
Indeno[1,2,3-cd]pyrene	ug/L	--	0.095 U	0.095 U	0.095 U
Naphthalene	ug/L	--	0.095 U	0.15 J	0.095 U
Phenanthrene	ug/L	--	0.095 U	0.11 J	0.095 U
Phenol	ug/L	--	0.57 U	0.57 U	0.57 U
Pyrene	ug/L	--	0.095 U	0.095 U	0.095 U
Volatile Organics					
1,1-Dichloroethane	ug/L	--	26	0.15 U	0.22 U
1,1-Dichloroethene	ug/L	7	1.5 J	0.19 U	0.23 U
1,2-Dichloroethane	ug/L	5	19	0.22 U	0.13 U
Acetone	ug/L	--	7.6 U	1.1 U	1.9 U
Benzene	ug/L	5	0.64 U	0.13 U	0.16 U
Carbon disulfide	ug/L	--	1.8 U	0.24 J	0.45 U
Chlorobenzene	ug/L	100	0.68 U	0.15 U	0.17 U
Chloroethane	ug/L	--	18	0.29 U	0.41 U
Chloroform	ug/L	80	0.64 U	0.16 U	0.16 U
cis-1,2-Dichloroethene	ug/L	70	64	0.17 U	0.15 U
Cyclohexane	ug/L	--	1.1 U	0.12 U	0.28 U
Methyl tert-butyl ether	ug/L	--	1 U	0.17 U	0.25 U
Methylcyclohexane	ug/L	--	1.4 U	0.13 U	0.36 U
Tetrachloroethene	ug/L	5	0.8 U	0.29 U	0.2 U
Toluene	ug/L	1000	0.68 U	0.13 U	0.17 U
trans-1,2-Dichloroethene	ug/L	100	0.6 U	0.19 U	0.15 U
Trichloroethene	ug/L	5	0.64 U	0.17 U	0.16 U
Vinyl chloride	ug/L	2	2.6 J	0.22 U	0.1 U

NOTES:
Results exceeding the MCL are in red t
J - estimated concentration
R - rejected
U - not detected above MDL

Table 10. Summary of Inorganic Constituents Detected above Ohio MCL in at Least One Well - May 2013
Industrial Excess Landfill, Uniontown, Ohio

		Sample ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10i	MW-11i	MW-11s	MW-12i
		Sample Date	05/14/13	05/14/13	05/14/13	05/14/13	05/09/13	05/14/13	05/14/13	05/09/13
		Field ID	MW-01i	MW-01s	MW-03i	MW-7i	MW-10I	MW-11i	MW-11s	MW-12I
Analyte	**Units**	**MCL**								
Conventionals and Inorganics										
Chloride	mg/L	250	260	3.9	97	93	45	190	60	630
Cyanide, Total	mg/L	0.2	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.51
Arsenic	ug/L	10	2.8 J B	8.6 B	3.5 B	0.53 J B	2.2 J B	2.9 J B	67 B	67 B
Cadmium	ug/L	5	0.026 U	1.8	0.026 U	0.026 U	0.05 J	0.026 U	0.75 J	120
Chromium	ug/L	100	5.1 U	26	0.6 J	1.9 U	12 B	1.5 U	4300	3100 B
Iron	ug/L	300	18000 B	14000 B	2900 B	6600 B	3800 B	5800 B	290000 B	69000 B
Lead	ug/L	15	0.74 U	2.2	0.36 U	0.38 U	0.75 J	0.27 U	17	89
Zinc	ug/L	5000	10 U	67 U	3.7 U	2.3 U	7.4 U	6.3 U	120 U	18000 B

Table 10. Summary of Inorganic Constituents Detected above Ohio MCL in at Least One Well - May 2013
Industrial Excess Landfill, Uniontown, Ohio

		Sample ID	MW-13i NEW	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18i	MW-18s	MW-21s	MW-22i
		Sample Date	05/14/13	05/14/13	05/13/13	05/13/13	05/10/13	05/10/13	05/14/13	05/10/13
		Field ID	MW-13i NEW	MW-14i NEW	MW-16 NEW	MW-17 NEW	MW-18I	MW-18S	MW-21s	MW-22I
Analyte	**Units**	**MCL**								
Conventionals and Inorganics										
Chloride	mg/L	250	210	190	84	65	54	14	160	100
Cyanide, Total	mg/L	0.2	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U
Arsenic	ug/L	10	5.9 B	7.1 B	160 B	29 B	4.8 B	13 B	4.7 B	2.7 J B
Cadmium	ug/L	5	0.23 J	0.067 J	1.3	0.38 J	0.035 J	0.41 J	0.026 U	0.31 J
Chromium	ug/L	100	19	22	190	100	730	170	1.7 U	620
Iron	ug/L	300	8700 B	22000 B	180000	76000	8600	18000	8200 B	5400
Lead	ug/L	15	5.6	10	150	43	0.65 J	13	0.74 U	3.6
Zinc	ug/L	5000	120 U	62 U	720 B	230 B	7.3 U	97 B	7.1 U	22 U

Table 10. Summary of Inorganic Constituents Detected above Ohio MCL in at Least One Well - May 2013
Industrial Excess Landfill, Uniontown, Ohio

		Sample ID	MW-23s	MW-25s	MW-26s	MW-27i	MW-29	MW-30	MW-31
		Sample Date	05/16/13	05/09/13	05/09/13	05/09/13	05/14/13	05/09/13	05/14/13
		Field ID	MW-23S	MW-25S	MW-26S	MW-27I	MW-29	MW-30	MW-31
Analyte	**Units**	**MCL**							
Conventionals and Inorganics									
Chloride	mg/L	250	9.3	63	240	200	**320**	98	18
Cyanide, Total	mg/L	0.2	0.0032 J	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U
Arsenic	ug/L	10	**11 B**	1.5 JB	6 B	8.5 B	**15 B**	**29 B**	5.9 B
Cadmium	ug/L	5	0.28 J	0.084 J	0.099 J	0.11 J	0.32 J	0.39 J	0.33 J
Chromium	ug/L	100	**470 J**	**120 B**	63 B	**280 B**	**350**	62 B	86
Iron	ug/L	300	**28000**	**13000 B**	**12000 B**	**4500 B**	**35000 B**	**50000 B**	**11000 B**
Lead	ug/L	15	**17 J**	3.5	5	0.75 J	**31**	**32**	5.7
Zinc	ug/L	5000	120 B	40 U	31 U	24 U	240 B	180 B	100 U

NOTES:

Results exceeding the MCL are in red bold

B - analyte found in blank and sample

J - estimated concentration

U - not detected above MDL

Table 11. Summary of Blank Analyses for Non-Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID		EB01	EB02	EB03
Sample Date		05/10/13	05/14/13	05/14/13
Field ID		FIELD EQUIP BLANK 1	EQUIPMENT BLANK 2	EQUIPMENT BLANK 3
Analyte	Units			
Conventionals and Inorganics				
Ammonia (as N)	mg/L	0.035 U	0.056 J	0.061 J
Chloride	mg/L	0.1 U	0.1 U	0.1 U
Nitrate Nitrite as N	mg/L	0.014 U	0.014 U	0.42
Sulfate	mg/L	0.12 U	0.12 U	0.12 U
Sulfide	mg/L	0.67 U	0.67 U	0.67 U
Cyanide, Total	mg/L	0.0032 U	0.0032 U	0.0032 U
Ferrous Iron	mg/L	0.018 UJ	0.018 UJ	0.023 J
Aluminum	ug/L	7.5 U	7.5 U	7.5 U
Antimony	ug/L	0.41 U	0.23 U	0.16 U
Arsenic	ug/L	0.24 U	0.093 U	0.13 U
Barium	ug/L	0.32 U	0.32 U	0.32 U
Beryllium	ug/L	0.036 J	0.056 J	0.049 J
Cadmium	ug/L	0.026 U	0.026 U	0.026 U
Calcium	ug/L	27 U	27 U	29 U
Chromium	ug/L	0.23 J	0.13 U	3.7
Cobalt	ug/L	0.035 J	0.02 U	0.19 J
Copper	ug/L	0.24 U	0.42 U	0.28 U
Iron	ug/L	12 U	12 U	12 U
Lead	ug/L	0.14 U	0.15 J	0.14 J
Magnesium	ug/L	15 U	15 U	15 U
Manganese	ug/L	0.41 U	1.3 U	0.75 U
Nickel	ug/L	0.16 J	0.11 U	9 B
Potassium	ug/L	5.1 U	12 U	16 U
Selenium	ug/L	0.34 U	0.34 U	0.34 U
Silver	ug/L	0.0083 U	0.0083 U	0.0083 U
Sodium	ug/L	4.2 U	47 U	88 U
Thallium	ug/L	0.6 J	0.4 U	0.4 U
Zinc	ug/L	2.1 U	4.1 U	5.5 U
Mercury	ug/L	0.12 U	0.12 U	0.12 U
Semi-volatile Organics				
1,1'-Biphenyl	ug/L	0.76 U	0.76 U	0.8 U
2,2'-oxybis[1-chloropropane]	ug/L	0.38 U	0.38 U	0.4 U
2,4,5-Trichlorophenol	ug/L	0.29 U	0.29 U	0.3 U
2,4,6-Trichlorophenol	ug/L	0.76 U	0.76 U	0.8 U
2,4-Dichlorophenol	ug/L	0.76 U	0.76 U	0.8 U
2,4-Dimethylphenol	ug/L	0.76 U	0.76 U	0.8 U
2,4-Dinitrophenol	ug/L	2.3 U	2.3 U	2.4 U
2,4-Dinitrotoluene	ug/L	0.26 U	0.26 U	0.27 U
2,6-Dinitrotoluene	ug/L	0.76 U	0.76 U	0.8 U
2-Chloronaphthalene	ug/L	0.095 U	0.095 U	0.1 U
2-Chlorophenol	ug/L	0.28 U	0.28 U	0.29 U
2-Methylnaphthalene	ug/L	0.095 U	0.095 U	0.1 U
2-Methylphenol	ug/L	0.76 U	0.76 U	0.8 U
2-Nitroaniline	ug/L	0.76 U	0.76 U	0.8 U
2-Nitrophenol	ug/L	0.27 U	0.27 U	0.28 U
3 & 4 Methylphenol	ug/L	0.71 U	0.71 U	0.75 U
3,3'-Dichlorobenzidine	ug/L	0.35 U	0.35 U	0.37 U
3-Nitroaniline	ug/L	0.27 U	0.27 U	0.28 U
4,6-Dinitro-2-methylphenol	ug/L	2.3 U	2.3 U	2.4 U
4-Bromophenyl phenyl ether	ug/L	0.76 U	0.76 U	0.8 U
4-Chloro-3-methylphenol	ug/L	0.76 U	0.76 U	0.8 U
4-Chloroaniline	ug/L	0.76 U	0.76 U	0.8 U

Table 11. Summary of Blank Analyses for Non-Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

	Sample ID	EB01	EB02	EB03
	Sample Date	05/10/13	05/14/13	05/14/13
	Field ID	FIELD EQUIP BLANK 1	EQUIPMENT BLANK 2	EQUIPMENT BLANK 3
Analyte	**Units**			
Conventionals and Inorganics				
4-Chlorophenyl phenyl ether	ug/L	0.29 U	0.29 U	0.3 U
4-Nitroaniline	ug/L	0.76 U	0.76 U	0.8 U
4-Nitrophenol	ug/L	2.3 U	2.3 U	2.4 U
Acenaphthene	ug/L	0.095 U	0.095 U	0.1 U
Acenaphthylene	ug/L	0.095 U	0.095 U	0.1 U
Acetophenone	ug/L	0.32 U	0.32 U	0.34 U
Anthracene	ug/L	0.095 U	0.095 U	0.1 U
Atrazine	ug/L	0.32 U	0.32 U	0.34 U
Benzaldehyde	ug/L	0.53 J	0.69 J	0.74 J
Benzo[a]anthracene	ug/L	0.095 U	0.095 U	0.1 U
Benzo[a]pyrene	ug/L	0.095 U	0.095 U	0.1 U
Benzo[b]fluoranthene	ug/L	0.095 U	0.095 U	0.1 U
Benzo[g,h,i]perylene	ug/L	0.095 U	0.095 U	0.1 U
Benzo[k]fluoranthene	ug/L	0.095 U	0.095 U	0.1 U
Bis(2-chloroethoxy)methane	ug/L	0.3 U	0.3 U	0.32 U
Bis(2-chloroethyl)ether	ug/L	0.095 U	0.095 U	0.1 U
Bis(2-ethylhexyl) phthalate	ug/L	0.76 U	0.76 U	0.8 U
Butyl benzyl phthalate	ug/L	0.76 U	0.76 U	0.8 U
Caprolactam	ug/L	0.76 U	0.76 U	0.8 U
Carbazole	ug/L	0.27 U	0.27 U	0.28 U
Chrysene	ug/L	0.095 U	0.095 U	0.1 U
Dibenz(a,h)anthracene	ug/L	0.095 U	0.095 U	0.1 U
Dibenzofuran	ug/L	0.095 U	0.095 U	0.1 U
Diethyl phthalate	ug/L	0.57 U	0.57 U	0.6 U
Dimethyl phthalate	ug/L	0.28 U	0.28 U	0.29 U
Di-n-butyl phthalate	ug/L	0.64 U	0.64 U	0.67 U
Di-n-octyl phthalate	ug/L	0.76 U	0.76 U	0.8 U
Fluoranthene	ug/L	0.095 U	0.095 U	0.1 U
Fluorene	ug/L	0.095 U	0.095 U	0.1 U
Hexachlorobenzene	ug/L	0.095 U	0.095 U	0.1 U
Hexachlorobutadiene	ug/L	0.26 U	0.26 U	0.27 U
Hexachlorocyclopentadiene	ug/L	0.76 UJ	0.76 U	0.8 U
Hexachloroethane	ug/L	0.76 U	0.76 U	0.8 U
Indeno[1,2,3-cd]pyrene	ug/L	0.095 U	0.095 U	0.1 U
Isophorone	ug/L	0.26 U	0.26 U	0.27 U
Naphthalene	ug/L	0.095 U	0.095 U	0.1 U
Nitrobenzene	ug/L	0.038 U	0.038 U	0.04 U
N-Nitrosodi-n-propylamine	ug/L	0.76 U	0.76 U	0.8 U
N-Nitrosodiphenylamine	ug/L	0.3 U	0.3 U	0.31 U
Pentachlorophenol	ug/L	2.3 U	2.3 U	2.4 U
Phenanthrene	ug/L	0.095 U	0.095 U	0.1 U
Phenol	ug/L	0.57 U	0.57 U	0.6 U
Pyrene	ug/L	0.095 U	0.095 U	0.1 U

NOTES:
B - analyte found in blank and sample
J - estimated concentration
U - not detected above MDL

Table 11. Summary of Blank Analyses for Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID		EB01	EB02	EB03	TB01	TB02	TB03	TB04	TB05
Sample Date		05/10/13	05/14/13	05/14/13	05/09/13	05/09/13	05/09/13	05/09/13	05/10/13
Field ID		FIELD EQUIP BLANK 1	EQUIPMENT BLANK 2	EQUIPMENT BLANK 3	TRIP BLANK 1 (TB1)	TRIP BLANK 2 (TB2)	TRIP BLANK 3 (TB3)	TRIP BLANK 4 (TB4)	TRIP BLANK 5
Analyte	Units								
1,1,1-Trichloroethane	ug/L	0.22 U	0.16 U	0.64 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1,2,2-Tetrachloroethane	ug/L	0.18 U	0.21 U	0.84 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	0.28 U	0.42 U	1.7 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,1,2-Trichloroethane	ug/L	0.27 U	0.27 U	1.1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	ug/L	0.15 U	0.22 U	0.88 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
1,1-Dichloroethene	ug/L	0.19 U	0.23 U	0.92 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,2,4-Trichlorobenzene	ug/L	0.15 U	0.21 U	0.84 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dibromo-3-Chloropropane	ug/L	0.67 U	0.47 U	1.9 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	ug/L	0.13 U	0.15 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloroethane	ug/L	0.22 U	0.13 U	0.52 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,2-Dichloropropane	ug/L	0.18 U	0.18 U	0.72 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	ug/L	0.14 U	0.13 U	0.52 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,4-Dichlorobenzene	ug/L	0.13 U	0.16 U	0.64 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-Butanone (MEK)	ug/L	0.57 U	2 U	8 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2-Hexanone	ug/L	0.41 U	1.7 U	6.8 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.32 U	0.98 U	3.9 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Acetone	ug/L	1.1 U	3.9 J	7.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzene	ug/L	0.13 U	0.16 U	0.64 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromoform	ug/L	0.64 U	0.19 U	0.76 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Bromomethane	ug/L	0.41 U	0.21 U	0.84 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Carbon disulfide	ug/L	0.13 U	0.45 U	1.8 U	0.13 U	0.13 U	0.13 U	0.97 J	0.13 U
Carbon tetrachloride	ug/L	0.13 U	0.19 U	0.76 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	ug/L	0.15 U	0.17 U	0.68 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chlorodibromomethane	ug/L	0.18 U	0.17 U	0.68 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Chloroethane	ug/L	0.29 U	0.41 U	1.6 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Chloroform	ug/L	0.16 U	0.16 U	0.64 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloromethane	ug/L	0.3 U	0.3 U	1.2 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	ug/L	0.17 U	0.15 U	0.6 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
cis-1,3-Dichloropropene	ug/L	0.14 U	0.16 U	0.64 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Cyclohexane	ug/L	0.12 U	0.28 U	1.1 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Dichlorobromomethane	ug/L	0.15 U	0.17 U	0.68 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Dichlorodifluoromethane	ug/L	0.31 U	0.31 U	1.2 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Ethylbenzene	ug/L	0.17 U	0.16 U	0.64 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Ethylene Dibromide	ug/L	0.24 U	0.18 U	0.72 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Isopropylbenzene	ug/L	0.13 U	0.19 U	0.76 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Methyl acetate	ug/L	0.38 U	1.6 U	6.6 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Methyl tert-butyl ether	ug/L	0.17 U	0.25 U	1 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U

Table 11. Summary of Blank Analyses for Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID	EB01	EB02	EB03	TB01	TB02	TB03	TB04	TB05
Sample Date	05/10/13	05/14/13	05/14/13	05/09/13	05/09/13	05/09/13	05/09/13	05/10/13
Field ID	FIELD EQUIP BLANK 1	EQUIPMENT BLANK 2	EQUIPMENT BLANK 3	TRIP BLANK 1 (TB1)	TRIP BLANK 2 (TB2)	TRIP BLANK 3 (TB3)	TRIP BLANK 4 (TB4)	TRIP BLANK 5
Analyte / Units								
Methylcyclohexane ug/L	0.13 U	0.36 U	1.4 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Methylene Chloride ug/L	0.33 U	0.32 U	1.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Styrene ug/L	0.11 U	0.17 U	0.68 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Tetrachloroethene ug/L	0.29 U	0.2 U	0.8 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Toluene ug/L	0.3 J	0.67 J	0.68 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
trans-1,2-Dichloroethene ug/L	0.19 U	0.15 U	0.6 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
trans-1,3-Dichloropropene ug/L	0.19 U	0.19 U	0.76 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Trichloroethene ug/L	0.17 U	0.16 U	0.64 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Trichlorofluoromethane ug/L	0.21 U	0.29 U	1.2 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Vinyl chloride ug/L	0.22 U	0.1 U	0.4 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Xylenes, Total ug/L	0.28 U	0.19 U	0.76 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U

Table 11. Summary of Blank Analyses for Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID	TB06	TB07	TB08	TB09	TB11	TB12	TB13	TB14
Sample Date	05/10/13	05/10/13	05/13/13	05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Field ID	TRIP BLANK 6	TRIP BLANK 7	TRIP BLANK 8 (TB8)	TRIP BLANK 9	TRIP BLANK 11	TRIP BLANK 12	TRIP BLANK 13	TRIP BLANK 14
Analyte / Units								
1,1,1-Trichloroethane ug/L	0.22 U	0.22 U	0.22 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2,2-Tetrachloroethane ug/L	0.18 U	0.18 U	0.18 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane ug/L	0.28 U	0.28 U	0.28 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
1,1,2-Trichloroethane ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane ug/L	0.15 U	0.15 U	0.15 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1-Dichloroethene ug/L	0.19 U	0.19 U	0.19 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene ug/L	0.15 U	0.15 U	0.15 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dibromo-3-Chloropropane ug/L	0.67 U	0.67 U	0.67 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
1,2-Dichlorobenzene ug/L	0.13 U	0.13 U	0.13 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dichloroethane ug/L	0.22 U	0.22 U	0.22 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane ug/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene ug/L	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,4-Dichlorobenzene ug/L	0.13 U	0.13 U	0.13 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
2-Butanone (MEK) ug/L	0.57 U	0.57 U	0.57 U	2 U	2 U	2 U	2 U	2 U
2-Hexanone ug/L	0.41 U	0.41 U	0.41 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
4-Methyl-2-pentanone (MIBK) ug/L	0.32 U	0.32 U	0.32 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Acetone ug/L	1.1 U	1.1 U	1.1 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzene ug/L	0.13 U	0.13 U	0.13 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Bromoform ug/L	0.64 U	0.64 U	0.64 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromomethane ug/L	0.41 U	0.41 U	0.41 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Carbon disulfide ug/L	0.13 U	0.13 U	0.13 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Carbon tetrachloride ug/L	0.13 U	0.13 U	0.13 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene ug/L	0.15 U	0.15 U	0.15 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Chlorodibromomethane ug/L	0.18 U	0.18 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Chloroethane ug/L	0.29 U	0.29 U	0.29 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroform ug/L	0.16 U	0.16 U	0.16 U	0.23 J	0.24 J	0.18 J	0.21 J	0.22 J
Chloromethane ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene ug/L	0.17 U	0.17 U	0.17 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
cis-1,3-Dichloropropene ug/L	0.14 U	0.14 U	0.14 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Cyclohexane ug/L	0.12 U	0.12 U	0.12 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Dichlorobromomethane ug/L	0.15 U	0.15 U	0.15 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dichlorodifluoromethane ug/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Ethylbenzene ug/L	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Ethylene Dibromide ug/L	0.24 U	0.24 U	0.24 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Isopropylbenzene ug/L	0.13 U	0.13 U	0.13 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methyl acetate ug/L	0.38 U	0.38 U	0.38 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methyl tert-butyl ether ug/L	0.17 U	0.17 U	0.17 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

Table 11. Summary of Blank Analyses for Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID	TB06	TB07	TB08	TB09	TB11	TB12	TB13	TB14
Sample Date	05/10/13	05/10/13	05/13/13	05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Field ID	TRIP BLANK 6	TRIP BLANK 7	TRIP BLANK 8 (TB8)	TRIP BLANK 9	TRIP BLANK 11	TRIP BLANK 12	TRIP BLANK 13	TRIP BLANK 14
Analyte	Units							
Methylcyclohexane	ug/L	0.13 U	0.13 U	0.13 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Methylene Chloride	ug/L	0.33 U	0.33 U	0.33 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Styrene	ug/L	0.11 U	0.11 U	0.11 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Tetrachloroethene	ug/L	0.29 U	0.29 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	ug/L	0.13 U	0.37 J	0.97 J	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
trans-1,2-Dichloroethene	ug/L	0.19 U	0.19 U	0.19 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
trans-1,3-Dichloropropene	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Trichloroethene	ug/L	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Trichlorofluoromethane	ug/L	0.21 U	0.21 U	0.21 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Vinyl chloride	ug/L	0.22 U	0.22 U	0.22 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Xylenes, Total	ug/L	0.28 U	0.28 U	0.28 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U

Table 11. Summary of Blank Analyses for Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID	TB15	TB16	TB17	TB18	TB19
Sample Date	05/14/13	05/14/13	05/14/13	05/14/13	05/16/13
Field ID	TRIP BLANK 15	TRIP BLANK 16	TRIP BLANK 17	TRIP BLANK 18	TEST BLANK 19
Analyte	Units					
1,1,1-Trichloroethane	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2,2-Tetrachloroethane	ug/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
1,1,2-Trichloroethane	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	ug/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1-Dichloroethene	ug/L	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	ug/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dibromo-3-Chloropropane	ug/L	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
1,2-Dichlorobenzene	ug/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dichloroethane	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane	ug/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,4-Dichlorobenzene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
2-Butanone (MEK)	ug/L	2 U	2 U	2 U	2 U	2 U
2-Hexanone	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Acetone	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Bromoform	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromomethane	ug/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Carbon disulfide	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Carbon tetrachloride	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Chlorodibromomethane	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Chloroethane	ug/L	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroform	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloromethane	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	ug/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
cis-1,3-Dichloropropene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Cyclohexane	ug/L	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Dichlorobromomethane	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dichlorodifluoromethane	ug/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Ethylbenzene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Ethylene Dibromide	ug/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Isopropylbenzene	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methyl acetate	ug/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methyl tert-butyl ether	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

Table 11. Summary of Blank Analyses for Volatile Chemicals, May 2013
Industrial Excess Landfill, Uniontown, Ohio

Sample ID		TB15	TB16	TB17	TB18	TB19
Sample Date		05/14/13	05/14/13	05/14/13	05/14/13	05/16/13
Field ID		TRIP BLANK 15	TRIP BLANK 16	TRIP BLANK 17	TRIP BLANK 18	TEST BLANK 19
Analyte	Units					
Methylcyclohexane	ug/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Methylene Chloride	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Styrene	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Tetrachloroethene	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	ug/L	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
trans-1,2-Dichloroethene	ug/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
trans-1,3-Dichloropropene	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Trichloroethene	ug/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Trichlorofluoromethane	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Vinyl chloride	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Xylenes, Total	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U

NOTES:
J - estimated concentration
U - not detected above MDL

Table 12. Data Summary for Duplicate Sample Analyses Results Comparison for the May 2013 Sampling Event
Industrial Excess Landfill, Uniontown, OH

Sample ID	MW-21s	MW-21s Dup	MW-21s	MW-23s	MW-23s Dup	MW-23s	MW-30	MW-30 Dup	MW-30
Sample Date	05/14/13	05/14/13		05/16/13	05/16/13		05/09/13	05/09/13	
Field ID	MW-21s	FIELD DUPLICATE #3	RPD	MW-23S	FIELD DUPLICATE 4	RPD	MW-30	DUPLICATE 1	RPD
Analyte	**Units**								
Conventionals and Inorganics									
Ammonia (as N)	mg/L	12	12	0	0.61 J	0.43 J	34.6	0.16 J	0.13 J	20.7
Chloride	mg/L	160	160	0	9.3	7	28.2	98	100	2
Nitrate Nitrite as N	mg/L	0.034 J	0.014 U	NC	0.092 J	0.078 J	16.5	0.17	0.16	6.1
Sulfate	mg/L	33	34	3	21	16	27	91	93	2.2
Sulfide	mg/L	1.2	0.67 U	NC	0.67 U	0.67 U	ND	0.67 U	0.67 U	ND
Cyanide, Total	mg/L	0.0032 U	0.0032 U	ND	0.0032 J	0.0032 U	NC	0.0032 U	0.0032 U	ND
Ferrous Iron	mg/L	2.6 J	1.6 J	47.6	0.82 J	0.11 J	152.7	0.053 J	0.043 J	20.8
Aluminum	ug/L	120 J	86 J	33	6600 J	4400 J	40	28000	29000	3.5
Antimony	ug/L	0.27 U	0.26 U	ND	0.9 U	1.1 U	ND	0.88 U	0.91 U	ND
Arsenic	ug/L	4.7 B	4.7 B	0	11 B	8.4 B	26.8	29 B	31 B	6.7
Barium	ug/L	270 B	280 B	3.6	230 B	210 B	9.1	250 B	250 B	0
Beryllium	ug/L	0.086 U	0.092 U	ND	0.42 J	0.27 J	43.5	1.5	1.6	6.5
Cadmium	ug/L	0.026 U	0.026 U	ND	0.28 J	0.27 J	3.6	0.39 J	0.38 J	2.6
Calcium	ug/L	120000 B	130000 B	8	110000 B	95000 B	14.6	120000 B	110000 B	8.7
Chromium	ug/L	1.7 U	1.3 U	ND	470 J	760 J	47.2	62 B	65 B	4.7
Cobalt	ug/L	2.2	2.2	0	12	11	8.7	19	21	10
Copper	ug/L	12 B	14 B	15.4	41 B	51 B	21.7	71 B	78 B	9.4
Iron	ug/L	8200 B	8200 B	0	28000	22000	24	50000 B	54000 B	7.7
Lead	ug/L	0.74 U	0.62 U	ND	17 J	12 J	34.5	32	33	3.1
Magnesium	ug/L	60000 B	62000 B	3.3	28000 B	28000 B	0	31000 B	31000 B	0
Manganese	ug/L	560 B	560 B	0	640 B	520 B	20.7	1100 B	1100 B	0
Nickel	ug/L	58 B	60 B	3.4	240 J	390 J	47.6	53 B	56 B	5.5
Potassium	ug/L	25000 B	26000 B	3.9	4300 B	4000 B	7.2	11000 B	11000 B	0
Selenium	ug/L	0.34 U	0.34 U	ND	0.97 J	0.65 J	39.5	3.8 J	4 J	5.1
Silver	ug/L	0.009 U	0.0083 U	ND	0.085 U	0.11 JB	NC	0.093 J	0.096 J	3.2
Sodium	ug/L	120000 B	120000 B	0	6500 B	7000 B	7.4	50000 B	49000 B	2
Thallium	ug/L	0.4 U	0.4 U	ND	0.4 U	0.4 U	ND	0.4 U	0.4 U	ND
Zinc	ug/L	7.1 U	11 U	ND	120 B	92 B	26.4	180 B	190 B	5.4
Mercury	ug/L	0.12 U	0.12 U	ND	0.12 U	0.12 U	ND	0.12 U	0.12 U	ND
Semi-volatile Organics									
1,1'-Biphenyl	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2,2'-oxybis[1-chloropropane]	ug/L	0.38 U	0.38 U	ND	0.38 U	0.38 U	ND	0.38 U	0.38 U	ND
2,4,5-Trichlorophenol	ug/L	0.29 U	0.29 U	ND	0.29 U	0.29 U	ND	0.29 U	0.29 U	ND
2,4,6-Trichlorophenol	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2,4-Dichlorophenol	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2,4-Dimethylphenol	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2,4-Dinitrophenol	ug/L	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND

Table 12. Data Summary for Duplicate Sample Analyses Results Comparison for the May 2013 Sampling Event
Industrial Excess Landfill, Uniontown, OH

Sample ID	MW-21s	MW-21s Dup	MW-21s	MW-23s	MW-23s Dup	MW-23s	MW-30	MW-30 Dup	MW-30
Sample Date	05/14/13	05/14/13		05/16/13	05/16/13		05/09/13	05/09/13	
Field ID	MW-21s	FIELD DUPLICATE #3	RPD	MW-23S	FIELD DUPLICATE 4	RPD	MW-30	DUPLICATE 1	RPD
Analyte	Units								
2,4-Dinitrotoluene	ug/L	0.26 U	0.26 U	ND	0.26 U	0.26 U	ND	0.26 U	0.26 U	ND
2,6-Dinitrotoluene	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2-Chloronaphthalene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
2-Chlorophenol	ug/L	0.28 U	0.28 U	ND	0.28 U	0.28 U	ND	0.28 U	0.28 U	ND
2-Methylnaphthalene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.29 J	0.72 J	85.1
2-Methylphenol	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2-Nitroaniline	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
2-Nitrophenol	ug/L	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND
3 & 4 Methylphenol	ug/L	0.71 U	0.71 U	ND	0.71 U	0.71 U	ND	0.71 U	0.71 U	ND
3,3'-Dichlorobenzidine	ug/L	0.35 U	0.35 U	ND	0.35 U	0.35 U	ND	0.35 U	0.35 U	ND
3-Nitroaniline	ug/L	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND
4,6-Dinitro-2-methylphenol	ug/L	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND
4-Bromophenyl phenyl ether	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
4-Chloro-3-methylphenol	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
4-Chloroaniline	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
4-Chlorophenyl phenyl ether	ug/L	0.29 U	0.29 U	ND	0.29 U	0.29 U	ND	0.29 U	0.29 U	ND
4-Nitroaniline	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
4-Nitrophenol	ug/L	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND
Acenaphthene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Acenaphthylene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Acetophenone	ug/L	0.32 U	0.32 U	ND	0.32 U	0.32 U	ND	0.32 U	0.32 U	ND
Anthracene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Atrazine	ug/L	0.32 U	0.32 U	ND	0.32 U	0.32 U	ND	0.32 U	0.32 U	ND
Benzaldehyde	ug/L	0.37 U	0.37 U	ND	0.37 U	0.37 U	ND	0.37 U	0.37 U	ND
Benzo[a]anthracene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Benzo[a]pyrene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Benzo[b]fluoranthene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Benzo[g,h,i]perylene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Benzo[k]fluoranthene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Bis(2-chloroethoxy)methane	ug/L	0.3 U	0.3 U	ND	0.3 U	0.3 U	ND	0.3 U	0.3 U	ND
Bis(2-chloroethyl)ether	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Bis(2-ethylhexyl) phthalate	ug/L	0.76 U	0.76 U	ND	1 J	1.6 J	46.2	0.76 U	0.9 J	NC
Butyl benzyl phthalate	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
Caprolactam	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
Carbazole	ug/L	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND
Chrysene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Dibenz(a,h)anthracene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Dibenzofuran	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.15 J	NC

Table 12. Data Summary for Duplicate Sample Analyses Results Comparison for the May 2013 Sampling Event
Industrial Excess Landfill, Uniontown, OH

Sample ID		MW-21s	MW-21s Dup	MW-21s	MW-23s	MW-23s Dup	MW-23s	MW-30	MW-30 Dup	MW-30
Sample Date		05/14/13	05/14/13		05/16/13	05/16/13		05/09/13	05/09/13	
Field ID		MW-21s	FIELD DUPLICATE #3	RPD	MW-23S	FIELD DUPLICATE 4	RPD	MW-30	DUPLICATE 1	RPD
Analyte	**Units**									
Diethyl phthalate	ug/L	0.57 U	0.57 U	ND	0.57 U	0.57 U	ND	0.57 U	0.57 U	ND
Dimethyl phthalate	ug/L	0.28 U	0.28 U	ND	0.28 U	0.28 U	ND	0.28 U	0.28 U	ND
Di-n-butyl phthalate	ug/L	0.64 U	0.64 U	ND	0.69 J	0.64 U	NC	0.64 U	0.64 U	ND
Di-n-octyl phthalate	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
Fluoranthene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Fluorene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Hexachlorobenzene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Hexachlorobutadiene	ug/L	0.26 U	0.26 U	ND	0.26 U	0.26 U	ND	0.26 U	0.26 U	ND
Hexachlorocyclopentadiene	ug/L	0.76 U	0.76 U	ND	0.76 UJ	0.76 UJ	ND	0.76 R	0.76 R	0
Hexachloroethane	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
Indeno[1,2,3-cd]pyrene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Isophorone	ug/L	0.26 U	0.26 U	ND	0.26 U	0.26 U	ND	0.26 U	0.26 U	ND
Naphthalene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.15 J	0.37 J	84.6
Nitrobenzene	ug/L	0.038 U	0.038 U	ND	0.038 U	0.038 U	ND	0.038 U	0.038 U	ND
N-Nitrosodi-n-propylamine	ug/L	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND	0.76 U	0.76 U	ND
N-Nitrosodiphenylamine	ug/L	0.3 U	0.3 U	ND	0.3 U	0.3 U	ND	0.3 U	0.3 U	ND
Pentachlorophenol	ug/L	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND	2.3 U	2.3 U	ND
Phenanthrene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.11 J	0.25 J	77.8
Phenol	ug/L	0.57 U	0.57 U	ND	1.6	1.4	13.3	0.57 U	0.57 U	ND
Pyrene	ug/L	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND	0.095 U	0.095 U	ND
Volatile Organics										
1,1,1-Trichloroethane	ug/L	0.16 U	0.16 U	ND	0.16 U	0.16 U	ND	0.22 U	0.22 U	ND
1,1,2,2-Tetrachloroethane	ug/L	0.21 U	0.21 U	ND	0.21 U	0.21 U	ND	0.18 U	0.18 U	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	0.42 U	0.42 U	ND	0.42 U	0.42 U	ND	0.28 U	0.28 U	ND
1,1,2-Trichloroethane	ug/L	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND	0.27 U	0.27 U	ND
1,1-Dichloroethane	ug/L	1 J	1.4 J	33.3	1.3	1.3	0	0.15 U	0.15 U	ND
1,1-Dichloroethene	ug/L	0.23 U	0.23 J	NC	0.23 U	0.23 U	ND	0.19 U	0.19 U	ND
1,2,4-Trichlorobenzene	ug/L	0.21 U	0.21 U	ND	0.21 U	0.21 U	ND	0.15 U	0.15 U	ND
1,2-Dibromo-3-Chloropropane	ug/L	0.47 U	0.47 U	ND	0.47 U	0.47 U	ND	0.67 U	0.67 U	ND
1,2-Dichlorobenzene	ug/L	0.15 U	0.15 U	ND	0.15 U	0.15 U	ND	0.13 U	0.13 U	ND
1,2-Dichloroethane	ug/L	6.3 J	8.7 J	32	0.13 U	0.13 U	ND	0.22 U	0.22 U	ND
1,2-Dichloropropane	ug/L	0.18 U	0.18 U	ND	0.18 U	0.18 U	ND	0.18 U	0.18 U	ND
1,3-Dichlorobenzene	ug/L	0.13 U	0.13 U	ND	0.13 U	0.13 U	ND	0.14 U	0.14 U	ND
1,4-Dichlorobenzene	ug/L	0.16 U	0.16 U	ND	0.16 U	0.16 U	ND	0.13 U	0.13 U	ND
2-Butanone (MEK)	ug/L	2 U	2 U	ND	2 U	2 U	ND	0.57 U	0.57 U	ND
2-Hexanone	ug/L	1.7 U	1.7 U	ND	1.7 U	1.7 U	ND	0.41 U	0.41 U	ND
4-Methyl-2-pentanone (MIBK)	ug/L	0.98 U	0.98 U	ND	0.98 U	0.98 U	ND	0.32 U	0.32 U	ND
Acetone	ug/L	1.9 U	1.9 U	ND	1.9 U	1.9 U	ND	1.1 U	1.1 U	ND

Table 12. Data Summary for Duplicate Sample Analyses Results Comparison for the May 2013 Sampling Event
Industrial Excess Landfill, Uniontown, OH

Sample ID	MW-21s	MW-21s Dup	MW-21s	MW-23s	MW-23s Dup	MW-23s	MW-30	MW-30 Dup	MW-30
Sample Date	05/14/13	05/14/13		05/16/13	05/16/13		05/09/13	05/09/13	
Field ID	MW-21s	FIELD DUPLICATE #3	RPD	MW-23S	FIELD DUPLICATE 4	RPD	MW-30	DUPLICATE 1	RPD
Analyte	Units								
Benzene	ug/L	1.5	2 J	28.6	0.16 U	0.16 U	ND	0.13 U	0.13 U	ND
Bromoform	ug/L	0.19 U	0.19 U	ND	0.19 U	0.19 U	ND	0.64 U	0.64 U	ND
Bromomethane	ug/L	0.21 U	0.21 U	ND	0.21 U	0.21 U	ND	0.41 U	0.41 U	ND
Carbon disulfide	ug/L	0.45 U	0.45 U	ND	0.45 U	0.45 U	ND	0.24 J	0.13 U	NC
Carbon tetrachloride	ug/L	0.19 U	0.19 U	ND	0.19 U	0.19 U	ND	0.13 U	0.13 U	ND
Chlorobenzene	ug/L	0.17 U	0.17 U	ND	0.17 U	0.17 U	ND	0.15 U	0.15 U	ND
Chlorodibromomethane	ug/L	0.17 U	0.17 U	ND	0.17 U	0.17 U	ND	0.18 U	0.18 U	ND
Chloroethane	ug/L	17	22 J	25.6	0.41 U	0.41 U	ND	0.29 U	0.29 U	ND
Chloroform	ug/L	0.16 U	0.16 U	ND	0.16 U	0.16 U	ND	0.16 U	0.16 U	ND
Chloromethane	ug/L	0.3 U	0.3 U	ND	0.3 U	0.3 U	ND	0.3 U	0.3 U	ND
cis-1,2-Dichloroethene	ug/L	15	20 J	28.6	2.7	2.7	0	0.17 U	0.17 U	ND
cis-1,3-Dichloropropene	ug/L	0.16 U	0.16 U	ND	0.16 U	0.16 U	ND	0.14 U	0.14 U	ND
Cyclohexane	ug/L	0.28 U	0.28 U	ND	0.28 U	0.28 U	ND	0.12 U	0.12 U	ND
Dichlorobromomethane	ug/L	0.17 U	0.17 U	ND	0.17 U	0.17 U	ND	0.15 U	0.15 U	ND
Dichlorodifluoromethane	ug/L	0.31 U	0.31 U	ND	0.31 U	0.31 U	ND	0.31 U	0.31 U	ND
Ethylbenzene	ug/L	0.16 U	0.16 U	ND	0.16 U	0.16 U	ND	0.17 U	0.17 U	ND
Ethylene Dibromide	ug/L	0.18 U	0.18 U	ND	0.18 U	0.18 U	ND	0.24 U	0.24 U	ND
Isopropylbenzene	ug/L	0.19 U	0.19 U	ND	0.19 U	0.19 U	ND	0.13 U	0.13 U	ND
Methyl acetate	ug/L	1.6 U	1.6 U	ND	1.6 U	1.6 U	ND	0.38 U	0.38 U	ND
Methyl tert-butyl ether	ug/L	0.25 J	0.37 J	38.7	0.25 U	0.25 U	ND	0.17 U	0.17 U	ND
Methylcyclohexane	ug/L	0.36 U	0.36 U	ND	0.36 U	0.36 U	ND	0.13 U	0.13 U	ND
Methylene Chloride	ug/L	0.32 U	0.32 U	ND	0.32 U	0.32 U	ND	0.33 U	0.33 U	ND
Styrene	ug/L	0.17 U	0.17 U	ND	0.17 U	0.17 U	ND	0.11 U	0.11 U	ND
Tetrachloroethene	ug/L	0.2 U	0.2 U	ND	0.2 U	0.2 U	ND	0.29 U	0.29 U	ND
Toluene	ug/L	0.17 U	0.17 U	ND	0.17 U	0.17 U	ND	0.13 U	0.13 U	ND
trans-1,2-Dichloroethene	ug/L	0.28 J	0.33 J	16.4	0.15 U	0.15 U	ND	0.19 U	0.19 U	ND
trans-1,3-Dichloropropene	ug/L	0.19 U	0.19 U	ND	0.19 U	0.19 U	ND	0.19 U	0.19 U	ND
Trichloroethene	ug/L	0.61 J	0.79 J	25.7	0.42 J	0.42 J	0	0.17 U	0.17 U	ND
Trichlorofluoromethane	ug/L	0.29 U	0.29 U	ND	0.29 U	0.29 U	ND	0.21 U	0.21 U	ND
Vinyl chloride	ug/L	2.2	2.8 J	24	0.1 U	0.1 U	ND	0.22 U	0.22 U	ND
Xylenes, Total	ug/L	0.19 U	0.19 U	ND	0.19 U	0.19 U	ND	0.28 U	0.28 U	ND

NOTES:
RPD - relative percent difference
NC - not calculable
ND - both results are not detected above MDL
B - analyte found in blank and sample
J - estimated concentration

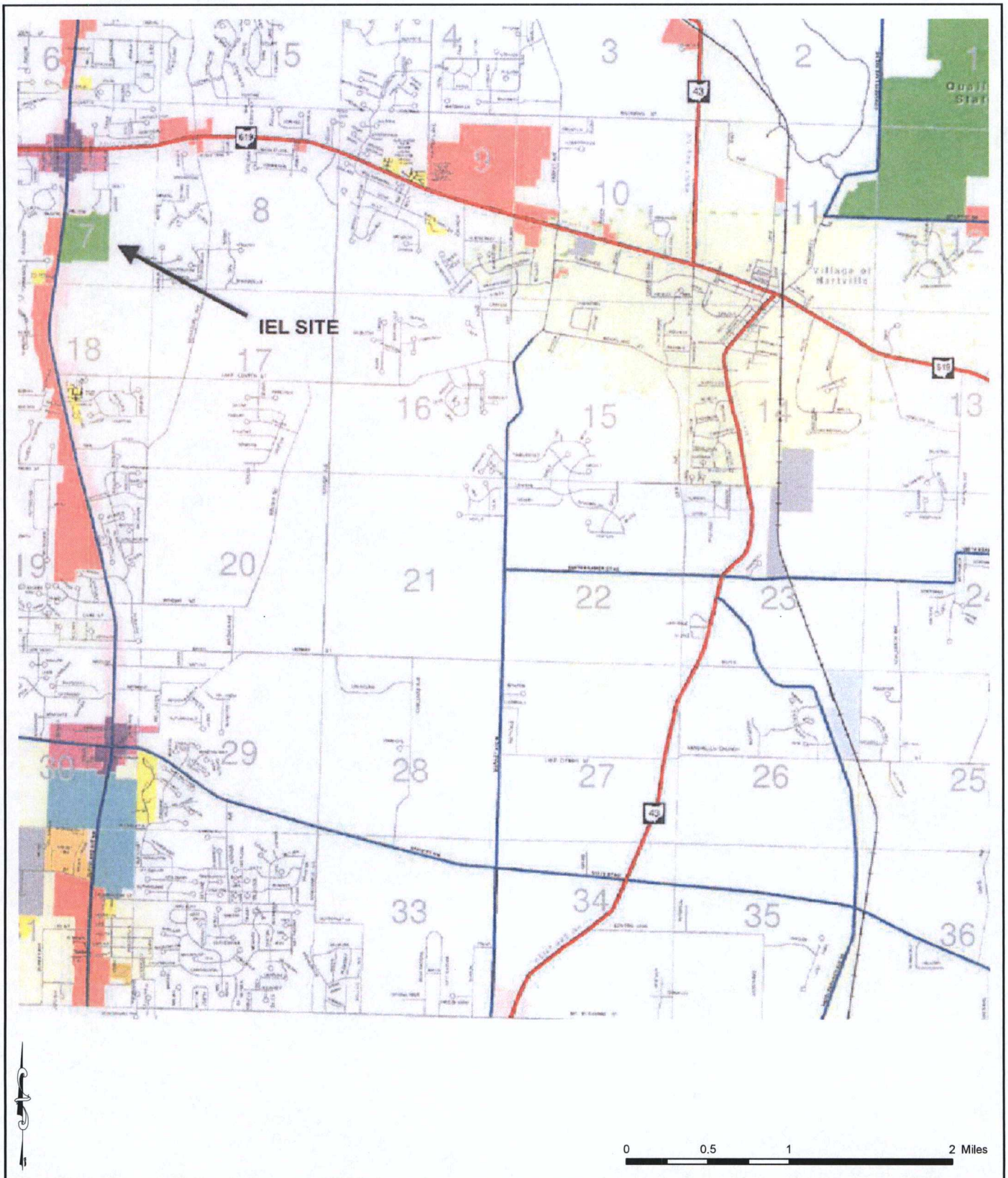
TABLE 13. SUMMARY OF METHANE GAS TESTING RESULTS

Combustible Gas Indicator Methane Percentages

LANDFILL GAS WELL	Deep (Yellow) 8/23/07	Deep (Yellow) 8/17/11	Deep (Yellow) 7/9/13	Intermediate (Green) 8/23/07	Intermediate (Green) 8/17/11	Intermediate (Green) 7/9/13	Shallow (Red) 8/23/07	Shallow (Red) 8/17/11	Shallow (Red) 7/9/13
LFG-4	0	0	0	0	0	0	0	0	0
LFG-6	0	0	0	0	0	0	0	0	0
LFG-8	0	0	0	0	0	0	0	0	0
LFG-9	0	5	0	0	0	0	0	0	0
LFG-11	0	0	0	0	0	0	0	0	0
LFG-18	0	0	0	0	0	0	0	0	0.7

Passive Vent	8/23/07	8/17/11	7/9/13
PV-8	42	0	0
PV-9	52	19	0
PV-13	14	0	0
Extraction Well			
EW-1	8	0	0
EW-2	1.2	0	0
EW-3	0.6	16	1.2
EW-9	0	19	0.9

FIGURES



Industrial Excess Landfill

Uniontown, Ohio

PROJECT NO. 311001

EARTHCON℠

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

Site Location Map

DRAWN:	CHECKED:	DATE:	FIGURE:
CP	DS	10/27/2011	1

FILENAME: Figure1

FILENAME: Figure 2

Industrial Excess Landfill

Uniontown, Ohio

PROJECT NO. 311001

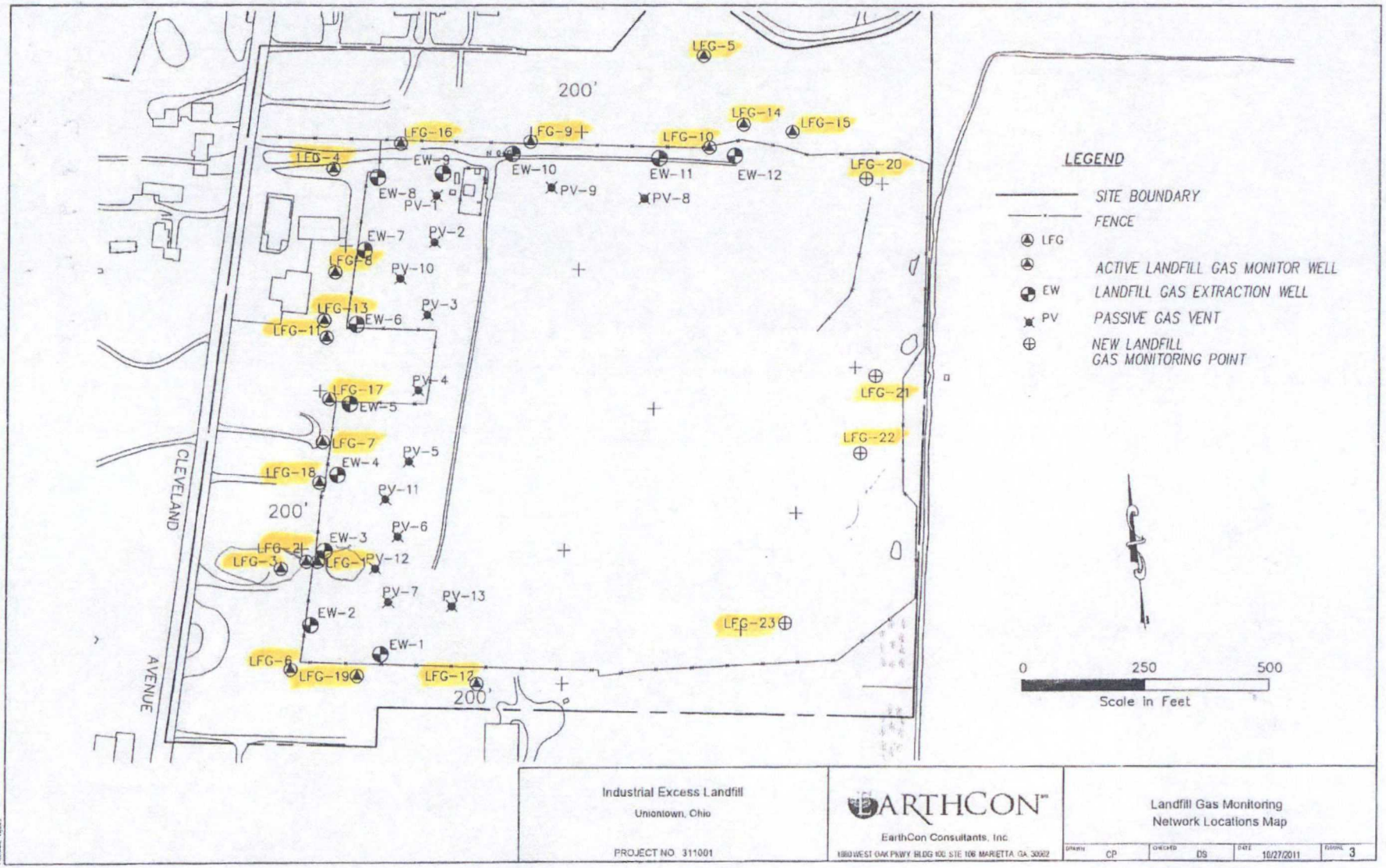
EARTHCON℠

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

IEL Monitoring Well Network
Location Map

DRAWN:	CHECKED:	DATE:	FIGURE:
CP	DS	10/28/2011	2



Industrial Excess Landfill

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EARTHCON

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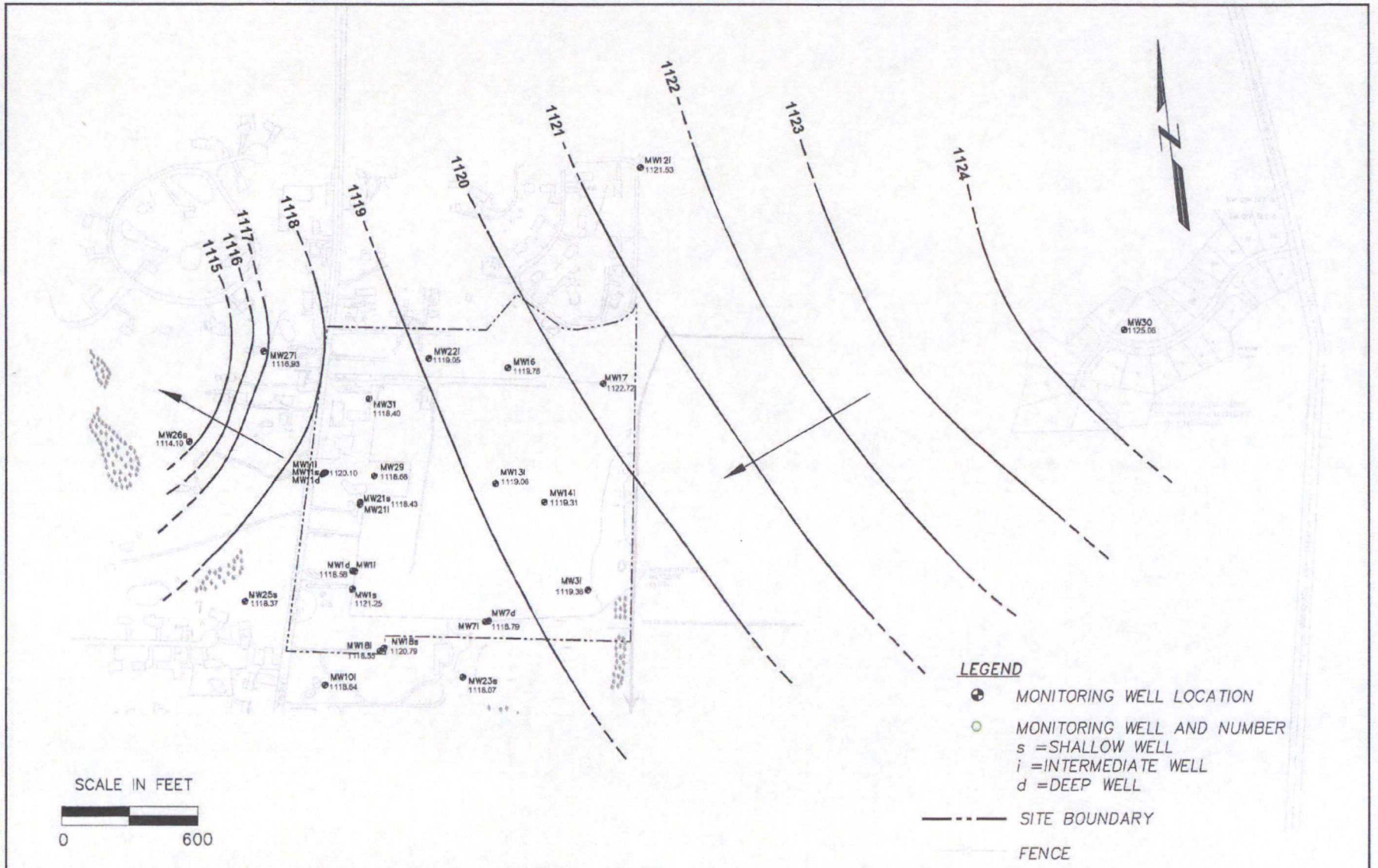
1980 WEST OAK PKWY BLDG 100 STE 106 MARIETTA GA 30062

Landfill Gas Monitoring
Network Locations Map

DRAWN	CHECKED	DATE	FIGURE
CP	DS	10/27/2011	3



FILENAME: IEL - POTMAP - SEPT 2013

INDUSTRIAL EXCESS LANDFILL

UNIONTOWN, OHIO

PROJECT NO. 02.20110001

EARTHCON®

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1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

POTENTIOMETRIC SURFACE MAP
MAY 2013

DRAWN:	CHECKED:	DATE:	FIGURE:
ED	DR	SEP 2013	4

Appendix A
Field Sampling Methodology

Field Sampling Methodology

The approved Sampling and Analysis Plan was generated by updating the previously approved Earth Sciences Consultants, Inc., plan (dated November 22, 1998). The USEPA-approved Sampling and Analysis Plan was updated to incorporate the results of discussions among the Responding Companies and USEPA held on May 18, 2000, as confirmed by a letter dated May 31, 2000. The May 31, 2000, letter identified the goals of the performance-monitoring program as:

- Evaluate groundwater quality trends;
- Verify groundwater flow direction;
- Verify the continued performance of the monitored natural attenuation remedy;
- Establish long-term performance criteria; and
- Design the long-term monitoring program that meets the goals of the performance criteria.

The long-term monitoring program has been designed and approved with the issuance of the RDP. In accordance with the RDP, this sampling event included the following:

- Collection of groundwater elevation data from all sampled IEL monitoring wells (these data were used to develop a potentiometer map for groundwater at the Site);
- Sampling of all wells scheduled for sampling;
- Field analysis for selected parameters using field instruments and a flow-through cell; and
- Laboratory analysis of all samples for selected parameters according to approved methods.

Fieldwork/Sampling Procedures

The groundwater sampling event was conducted May 9 – May 16, 2013. Sampling was conducted in accordance with the reviewed Health and Safety Plan for the Site. The sampling was conducted in accordance with the following procedure.

All monitoring wells (when possible) are sampled using low-flow sampling methods. Bailers are maintained on site in the event that a well is either too shallow (dry) or damaged to the extent

that low-flow sampling is not possible. Wells are sampled in the order of least contaminated to most contaminated, based on the results of the previous sampling event.

Protective plastic sheeting is placed around the well to provide protection from contamination for all field sampling equipment. Upon unlocking the monitoring well, the well headspace is checked with an organic vapor meter. A water level measurement is taken immediately after the headspace check. This measurement is recorded on the field sampling water quality measurement form for each individual well. A measurement of the total depth of the well is then taken. Based on the well depth and the measured water level, the volume of standing water in the well is calculated. A two-inch submersible pump is then carefully lowered into the well to begin purging. Well purging is initiated near the middle of the well screen. The pump should be at least two feet from the bottom of the well, to avoid mobilization of sediments from the bottom of the well.

Purged water is pumped to an in-line meter with transparent flow-through cell, which monitors the following field parameters:

- Turbidity
- Dissolved Oxygen
- Specific Conductance
- Temperature
- pH
- Oxidation reduction potential.

During well evacuation, an initial measurement of the purged water is recorded. Measurements are collected at a minimum of every 0.5 well volumes purged, up to 5 well volumes purged, until the field parameters have stabilized. Purging is suspended and sampling begins when three consecutive measurements for each parameter vary less than 10%. All parameters during purging are recorded on a field sampling water quality measurement form. Sample bottles are then filled. Volatile organics are collected first. Once the sampling is done, the bottles are placed in coolers and on ice, along with a trip blank per cooler. The collected purge water is placed in a steel drum on site. New tubing is used for each well. After the cap is placed back on the well and locked, the site is inspected to make sure that nothing is left behind.

After each well is sampled, the sampling equipment is decontaminated. The decontamination procedure is conducted at a dedicated place, outside of the storage shed located just inside the front gate of the site. Plastic sheeting is used for the decontamination procedure. All equipment, including the water level indicator, water quality meter, and submersible pump are to be decontaminated after each sampling activity.

All equipment is disassembled to the extent it is practical. The procedure consists of the following:

- Wash with potable water and non-phosphate based detergent;
- Rinse with potable water;
- Rinse with a 40% methanol solution;
- Rinse with a 10% nitric acid solution;
- Rinse with high purity deionized water;
- Air dry equipment and wrap in plastic until needed.

In addition to the samples taken from each monitoring well, the following quality assurance/quality control sampling procedures will be followed:

- One trip blank is shipped with each cooler;
- One duplicate sample is collected for every 10 or fewer samples;
- One field equipment blank is collected for every 10 or fewer groundwater samples;
- Samples are designated as matrix spike/matrix spike duplicates (MS/MSD) at a frequency of one every 20 or fewer groundwater samples. For these MS/MSD samples, double the normal volumes are collected for volatile organics and inorganic parameters and triple the normal volumes are collected for extractable organics (semi volatiles).

Appendix B
Photocopies of Field Notes

05-08-10

1100 Anka Wiencek, Dave Dafoe On Site

1130 Katie Basiotis, Larry Antonelli, Mike Eberle, John Grossman, David Richardson on site for Habitat Monitoring / Inspection

1200 Bluebird Boxes 1 & 2 and Meadow Autumn Olives (approx. 12) need to be cut down

Box 2 - 6 bluebird eggs / bluebird

1235 Inspect: Remaining Bird Boxes

7, 9, 10 : empty

8 : 4 bluebird eggs

4 & 6 : wren nest

5 : 2 tree swallow eggs

1340 No activity in Bat Box by cedar grove

1420 No activity in Bat Box outside of poplar grove

1530 Left Site

Wildlife observed:

4 cardinals	Swallows
Robins	3 hawks
3 Bluebirds	Wasps
Bees	
Butterflies	mosquitoes
Deer Tracks	spiders

AW

05-09-13

0700 Anka Wiencek Dafe Dafe on site

0715 Calibrate Horiba

Set Up Equipment ~65°F Cloudy

0730 Walk Fence Line

Approx. 4X5 foot part of northern fence cut out with bolt cutters. Scrap metal parts and blower fans taken from MVS Plans to fix fence discussed. Recommend demolishing MVS. Seen as a attractive NUISANCE and open for vandalism in future.

0840 MW-27i sampled 0901 Decon

Sampling point 1/2 - screen, approx. 5' from bottom.

MW-27i - in back yard of boarded up home. During purge, pump got stuck in well. Weighted line dislodged pump. Need to take care that pump cable not get doubled up in well.

1000 Sampled @ MW-26S - at residence

MW-26S in good shape.

1020 Decon Equipment

1130 MW-25S sampled

MW-25S behind residence

MW-25S in good shape

1142 Decon Equipment

ICE ON SAMPLES

1230 MW-10i sampled

ANTS cleared from well prior to sampling

1302 Decon Equipment

75°F Sunny

1345 MW-12

well in street of residential area. Water stagnant on top of well. Cleared out water and debris before opening well.

1422 MW-12 sampled

1440 Decon Equipment

1536 MW-30 sampled in residential development

1600 samples iced, To Lab @ 1645

Left Site 1630

05-10-13

0700 Anka Wieneck Dafe Dafoe on Site

0930 Calibrate Horiba 45°F

0805 MW-18S sampled

MW-18S in good shape

sharp edges on casing, need to be careful with pump

0815 Decon Equipment

0830 50°F sunny

0830 MW-18I sampled

sharp edges on casing, need to be careful with pump.

MW-18I in good shape

Water: Gray

0915 Equipment Blank

0920 Decon Equipment

0958 MW-22I sampled

Ants cleared from outer casing

MW-22I in good shape

1011 Decon Equipment

1023 ICE SAMPLES

1100 Clean Up; Sort Bottles

1330 Leave Site

1251 Samples @ Lab

05-13-13

1230 Anka Wieneck Dafe Dafoe on site

45°F sunny

1247 Calibrate Horiba

1345 MW-17 sampled; in good shape

Ants Cleared before opening well

Water: Brown

1400 Decon Equipment

1435 MW-16 sampled

Water: Thick/Brown

In Good Shape

Deer Stand near well; near

445 cut out hole in fence

1445 Ice, samples

1450 Decon Equipment

1515 Leave Site

1545 Samples To Lab

05-14-13

0700 AW DD on site

0711 Calibrate Horiba

0715 ~35°F Cloudy

0745 MW-13i sampled

in good shape except * needs new outer casing *

0800 Decon Equipment

0841 MW-14 sampled

in good shape

Water: cloudy, gray

0910 Decon equipment; equipment blank

1001 MW-7i Sampled

40°F cloudy

FROST HEAVED APPROX 1 FOOT

CANNOT CLOSE WELL

*WILL NEED REPAIR * (ALSO 7d)

1010 DECON EQUIPMENT

ICE SAMPLES

1030 MW-03i sampled

WATER DARK GRAY

FROST HEAVED APPROX 1 FOOT

CANNOT CLOSE

*WILL NEED REPAIR *

1045 DECON EQUIPMENT

AW

1140 MW-1i sampled

WATER: GRAY

50°F

1145 DECON EQUP

1225 MW-1s — can't get pump into well.

Pumped & then bailed dry

1415 Sampled MW-1s

used Horiba to get measurements after sampling (bucket measurements)

1432 DECON EQUIPMENT

60°F. RAIN (LIGHT)

1535 MW-11s perched — not enough volume after purge

Let Recharge for sample with bailer

Horiba for field parameters

1545 DECON EQUIPMENT @ WELL SITE

1600 MW-11i sampled

(DUP 2)

1630 DECON EQUIPMENT

ICE SAMPLES

AW

1702 MW-21S sampled

Dup 3

65°F cloudy.

1715 DECON EQUIPMENT

1747 MW-29 sampled

" cut brush around well (flush)

to sample

1759 DECON EQUIPMENT

1851 MW-31 sampled

1903 MS/MSD 1903

1915 DECON

1920 EQUIPMENT BLANK 3

2000 Clean Up - ICE

2125 Leave Site

2140 Samples To Lab

05-15-10

0700 AW DD on site

0800 Paint LFG wells (orange)

0900 Walk site.

1032 FRANTZ DRILLERS on site

Assess MW-07i, MW-07d MW-03i

for Repair

REPAIR MW-23s

- hit by vehicle in 2012

- new well put in

1200 Cut Brush & Limbs from

North Fence Line

1301 Repair 4x5 hole in fence

on north side

1420 Asbestos Sample from MVS

1530 PURGE NEW WELL MW-23s dry

1600 Clean Up

1800 Leave Site

05-16-13

0700 AW on site

0810 Sample MW-23s

DUP #4

0930 DECON & Ice Samples

0945 Clean Up

1000 Walk Site

1100 Leave Site

1120 Samples To Lab

07-09-13

0700 AW DD on site

MOW FRONT GRASS

REPAIR MW-07i, 07d, 03i, 13

LFG methone monitoring w/ CGI

measurements noted

1800 Clean Up

1830 Leave Site

Appendix C
Completed Groundwater Sampling Forms

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-27i
Field Personnel AW / DD
Initial Depth to Water (FT BMP) 37.44
Identify well Depth = 155.36

Sampling Date 05-09-2013
Sampling Organization EarthCon
Sampler Name Anka Wiencek / Dave Dafoe
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP) 10

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
0825					13.88	0.934	6.01	65	4.58	73	
0826					12.27	0.977	6.23	0.57	2.56	33	TB1
0828					11.79	1.38	6.46	-122	1.53	0	PID = 0
0830					11.77	1.47	6.59	-138	1.34	0	19.67 °C
0832					11.81	1.49	6.75	-150	1.26	768	sample middle of well screen
0834					11.88	1.50	6.84	-153	1.18	346	
0836					11.92	1.51	6.88	-155	1.12	193	
0838					11.92	1.50	6.92	-157	1.07	141	
0840				2.5 gal	11.93	1.50	6.93	-158	1.05	138	2.5 gallons purged
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-26S
Field Personnel AW/DD
Initial Depth to Water (FT BMP) 49.63
Identify Well Depth = 110.20

Sampling Date 05-09-2013
Sampling Organization EdenCon
Sampler Name Anka Wiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
0950					14.71	0.899	7.53	67	4.96	64.7	
0952					12.45	1.61	7.33	-137	0.94	62.8	TB 1
0954					12.17	1.69	7.25	-146	6.5	64.3	PID = 0
0955					12.24	1.71	7.21	-159	0.56	48.9	~16.5°C
0957					12.35	1.72	7.20	-159	0.55	45.2	cloudy
0959					12.34	1.72	7.19	-162	0.55	45.6	
1000				3 gal	12.35	1.72	7.19	-162	0.55	45.7	

Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-25s
Field Personnel AW / DD
Initial Depth to Water (FT BMP) 27.18
Identify Well Depth = 45.40

Sampling Date 05-09-2013
Sampling Organization EdenCon
Sampler Name AnkaWienceK
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1116					14.5	1.04	7.24	22	9.33	147	PID = 0
1118					13.43	0.811	7.27	61	8.57	133	TB 2
1120					13.41	0.832	7.24	11	7.21	211	
1122					13.17	0.832	7.22	-27	6.81	208	sunny
1126					13.07	0.851	7.21	-46	6.09	223	~65°F
1128					13.03	0.871	7.19	-72	5.91	219	
1130				3.5 gal	13.02	0.876	7.17	-82	5.84	217	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-101
Field Personnel AW / DD
Initial Depth to Water (FT BMP) 36.62
Identify Well Depth = 73.53

Sampling Date 05-09-2013
Sampling Organization Ed-th Con
Sampler Name AnkaWienceK
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/- 10%)	DO (mg/L) ((+/- 10%)	Turbidity (NTU) (+/- 10%)	Comments
1219				1	15.39	0.658	7.91	84	10.07	86.3	PID = 0
1221					13.01	0.964	7.50	-107	8.54	97.2	TB 2
1223					12.66	0.985	7.17	-116	7.71	90.9	
1225					12.72	0.996	7.13	-126	6.83	71.1	~ 65°F
1227					12.84	0.998	7.11	-130	6.50	55.3	sunny
1229					12.87	0.999	7.11	-131	6.32	39.9	
1230				3 gal	12.90	0.999	7.11	-133	6.24	33.5	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-12
Field Personnel AW/DO
Initial Depth to Water (FT BMP) 48.53
Identify Well Depth = 69.80

Sampling Date 05-09-2013
Sampling Organization EdenCon
Sampler Name AnkaWiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1401					27.70	—	8.01	-132	1.24	0	PID=0
1405					20.74	0.361	7.61	-112	0.95	8	TB 4
1407					18.43	0.461	7.48	-130	0.50	800	~75°F
1409					—	0.970	7.30	-137	0.49	800	Sunny
1411					18.84	1.30	7.29	-139	0.47	737	
1415					12.52	1.38	7.26	-137	0.37	769	
1417					12.52	1.51	7.13	-141	0.36	765	
1420					12.51	1.54	7.09	-142	0.32	767	
1422				5gal	12.52	1.54	7.07	-142	0.32	768	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-30
Field Personnel AW / DD
Initial Depth to Water (FT BMP) 5.51
Identify Well Depth = 34.53

Sampling Date 05-09-2013
Sampling Organization Ed-tnCon
Sampler Name AnkaWienceK
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/- 10%)	DO (mg/L) ((+/- 10%)	Turbidity (NTU) (+/- 10%)	Comments
1527					21.33	0.893	7.59	-130	4.70	642	PID = 0
1528					19.44	0.958	7.29	-139	5.55	480	TB4
1530					12.32	0.939	7.24	-129	4.50	376	
1532					11.40	0.921	7.26	-110	4.61	301	sunny
1534					11.39	0.903	7.24	-106	4.41	2.38	~75°F
1536				3 gal	11.39	0.901	7.24	-103	4.39	232	
										Time	Samples IDs

DUP #1 ⇓ TB3

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-18S
Field Personnel AW/OD
Initial Depth to Water (FT BMP) 56.18
Identify Well Depth = 65.61

Sampling Date 05-10-2013
Sampling Organization Ed-thCon
Sampler Name AnkaWiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
											PID=0
0751					12.94	2.99	7.21	102	3.86	0	TB6
0753					13.00	1.80	7.00	103	3.83	0	
0756					13.31	1.62	6.99	-112	4.32	800	55°F
0758					13.32	1.11	6.90	-133	4.21	798	sunny
0800					13.36	1.14	6.87	-112	4.15	800	
0801					13.37	1.12	6.83	-115	3.99	800	
0805				3 gal	13.37	1.13	6.81	-113	4.02	800	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

(8)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-18
Field Personnel AW/DD
Initial Depth to Water (FT BMP) 58.53
Identify Well Depth = 124.90

Sampling Date 05-10-2013
Sampling Organization EnCon
Sampler Name AnkaWiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
											PID=0
0818					14.92	1.12	8.01	-89	1.19	800	TB 6
0820					13.00	0.801	7.61	-119	0.52	568	
0822					12.81	0.799	7.48	-121	0.41	250	sharp edges
0825					12.70	0.761	7.41	-132	0.35	180	
0827					12.68	0.754	7.44	-122	0.30	126	
0830				4gal	12.64	0.799	7.42	-125	0.35	122	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

MS/MSD
TB 5
@ 0835

Equipment Blank
@ 0915
TB7

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-22
Field Personnel AW / DD
Initial Depth to Water (FT BMP) 64.95
Identify well Depth = 125.54

Sampling Date 05-10-2013
Sampling Organization EnthCon
Sampler Name AnkaWiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
											PID = 0
0950					13.65	0.943	7.44	-98	3.17	58.1	TB 7
0951					12.18	1.00	7.35	-139	0.61	53.8	
0953					12.33	1.01	7.30	-138	0.50	49.6	60 °F
0955					12.38	1.01	7.23	-136	6.43	45.9	
0958				5gal	12.44	[illegible]	7.27	-145	0.39	43.9	
						1.00					
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

(10)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site — Sampling Date 05-13-2013
Well Number MW-17 NEW — Sampling Organization Ed-th Con
Field Personnel AW / DD — Sampler Name AnkaWienceK
Initial Depth to Water (FT BMP) 25.67 — Purging Device (pump type) 2" submersible pump
Identify well Depth = 73.85 — Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1333					14.10	0.705	7.99	-97	1.36	0	PID = 0
1335					12.68	6.713	7.26	-131	0.52	0	TBB
1337					11.91	0.740	7.20	-142	0.32	0	
1339					12.03	0.777	7.19	-144	0.27	0	45°F
1341					12.05	0.791	7.22	-144	0.26	0	Sunny
1345				3 gal	12.05	.798	7.24	-145	0.25	0	Water: BROWN

Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-16 NEW
Field Personnel AW/DD
Initial Depth to Water (FT BMP) 52.80
Identify Well Depth = 93.92

Sampling Date 05-13-2013
Sampling Organization EdrthCon
Sampler Name AnkaWiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1422					14.64	0.99	7.72	57	4.50	551	PID=0
1424					13.01	1.05	7.37	—	3.88	391	TB8
1425					12.99	1.06	7.26	64	3.87	328	45°F sunny
1427					12.86	1.06	7.21	64	3.80	318	
1429					12.88	1.07	7.19	54	3.66	261	water: BROWN
1431					12.87	1.08	7.18	57	3.67	258	THICK
1433					12.88	1.08	7.18	57	3.66	246	
1435				4 gal	12.88	1.08	7.18	58	3.69	243	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-131
Field Personnel AW / DD
Initial Depth to Water (FT BMP) 49.05
Identify well Depth = 121.27

Sampling Date 05-19-2013
Sampling Organization EarthCon
Sampler Name AnkaWienseK
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/- 10%)	DO (mg/L) ((+/- 10%)	Turbidity (NTU) (+/- 10%)	Comments
0732					11.37	—	6.99	-101	1.48	478	PID=0
0734					12.31	2.39	7.13	-120	1.31	563	TB9
0737					12.77	2.40	7.14	-124	1.30	567	~35°F
0739					12.37	2.40	7.48	-126	1.31	581	cloudy
0741					12.36	2.41	7.48	-128	1.30	582	
0745				4 gal	12.36	2.41	7.48	-128	1.30	582	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-14
Field Personnel AW / DO
Initial Depth to Water (FT BMP) 34.02
Identify Well Depth = 102.34

Sampling Date 05-14-2013
Sampling Organization Ed-th Con
Sampler Name Anka Wiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/- 10%)	DO (mg/L) ((+/- 10%)	Turbidity (NTU) (+/- 10%)	Comments
0824					12.90	4.32	7.81	-141	2.75	439	PID=0
0827					11.60	2.01	7.30	-127	1.99	800	TB9
0829					11.20	1.71	7.22	-128	1.81	800	Water: GRAY
0832					11.18	1.60	7.19	-128	1.72	800	
0836					11.21	1.61	7.30	-128	1.63	800	
0838					11.17	1.62	7.16	-128	1.61	800	
0841				4.5 gal	11.16	1.66	7.18	-128	1.62	800	

Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-7
Field Personnel AW/DD
Initial Depth to Water (FT BMP) 11.51
Identify Well Depth = 42.38

Sampling Date 05- -2013
Sampling Organization Ed-thCon
Sampler Name AnkaWienceK
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
0947					10.07	0.807	9.36	60	11.41	38.7	40°F
0948					10.13	0.931	8.84	-162	5.70	25.2	cloudy
0950					10.21	1.04	8.09	-179	3.02	9.0	TB 11
0952					10.26	1.09	7.73	-157	2.15	2.7	
0954					10.29	1.10	7.62	-151	1.76	0.80	
0956					10.30	1.10	7.61	-148	1.64	0.71	
0958					10.31	1.09	7.56	-147	1.65	0.21	
1001				3.5gal	10.31	1.10	7.57	-149	1.63	0.20	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

Equipment Blank TB12 0910

15

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-03
Field Personnel
Initial Depth to Water (FT BMP) 8.87
Identify MP WD 40.9

Sampling Date 5/14/13
Sampling Organization EarthCon
Sampler Name
Purging Device (pump type)
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
	1020										
	1027				10.19	0.765	7.68	-164	5.72	235	
	1033										
	1035				10.27	1.02	7.66	-157	1.09	45.2	
					10.31	1.11	7.63	-137	0.66	78.8	
					10.32	1.13	7.62	-125	0.57	40.8	
					10.38	1.16	7.52	-139	0.55	11.7	
	1040										
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WD 40.9

dark grey water

TB 11

? gallons

frost heaved about 1 foot

cannot close well

Ti also

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-11
Field Personnel AW/DD
Initial Depth to Water (FT BMP) 47.87
Identify Well Depth = 83.06
Sampling Date 05-14-2013
Sampling Organization Ed-thCon
Sampler Name AnkaWiencek
Purging Device (pump type) 2" submersible pump
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/- 10%)	DO (mg/L) ((+/- 10%)	Turbidity (NTU) (+/- 10%)	Comments
1130					13.85	2.00	5.85	278	2.27	4.44	Horiba Low Batt
1132					14.06	1.93	6.57	-238	1.81	92.8	Warning
1133					14.23	1.89	6.68	-211	1.51	79.8	
1134					14.27	1.87	6.56	-201	1.40	69.7	PID = 0
1136					14.28	1.88	6.91	-206	1.32	66.3	TB 13
1138					14.31	1.87	6.81	-200	1.31	64.2	
1140				3 gal	14.34	1.88	6.85	-199	1.28	65.6	WATER → GRAY
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM (TB13) 1 of 1

Location (Site/Facility Name): IEL Site
Well Number MW-01S
Field Personnel
Initial Depth to Water (FT BMP) 47.80
Identify MP

Sampling Date 5/14/13
Sampling Organization EarthCon
Sampler Name Anka Wiencek
Purging Device (pump type)
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1205					14.15	1.26	7.58	770	2.11	0	PID = 0
1325											
14K											
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

WD = 49.67

W equip blank

TB 13

bailer 1415

TBB

pumped dry → come back w/ bailer

18

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

~260°F rains closing WD 54.8"

Location (Site/Facility Name): IEL Site
Well Number MW-115
Field Personnel
Initial Depth to Water (FT BMP) 48.70
Identify MP

Sampling Date 5/14/13
Sampling Organization EarthCon
Sampler Name Anka Wiencek
Purging Device (pump type)
Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh[3] (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
					21.06	0.001	7.91	-84	8.62	124	
											ran dry
											PID = 0
1538					13.46	1.42	7.17	-84	4.37	0	bailer
										Time	Samples IDs

parameters taken in bucket @ end of sampling

TB 14

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

19

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site
Well Number MW-11
Field Personnel
Initial Depth to Water (FT BMP) 79.86
Identify MP
Sampling Date 5/14/13
Sampling Organization EarthCon
Sampler Name
Purging Device (pump type)
Pump/Tubing Intake (FT BMP)

WD = 87.65

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1548					12.75	1.51	7.45	-146	6.64	62.9	
											PID = 0
1550					12.13	1.56	7.19	-135	5.23	23.9	
1552					12.13	1.57	7.11	-133	6.69	15.8	
1554					12.13	1.57	7.09	-132	7.75	12.4	
1600											
										Time	Samples IDs

TB 14

4 gal

w/ Equip Blank

DUP 2

TB 12

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

20

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

WD = 82.60

Location (Site/Facility Name): IEL Site — Sampling Date 5/14/13
Well Number MW-21s — Sampling Organization EarthCon
Field Personnel — Sampler Name
Initial Depth to Water (FT BMP) 48.68 — Purging Device (pump type)
Identify MP — Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1041					13.67	1.62	7.51	51	2.64	118	
											PID = 0
					12.91	1.62	7.33	90	0.83	184	
					[illegible]						
					1255	1.68	6.91	106	0.38	197	
1702											
					12.52	1.68	6.92	110	0.37	256	
					12.57	1.68	6.94	113	0.36	234	
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

TB = 15

4 gal

Field Dup #3 TB 16

21

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): **IEL Site**
Well Number: MW-29
Field Personnel:
Initial Depth to Water (FT BMP): 48.91
Identify MP:

Sampling Date: 5/14/13
Sampling Organization: EarthCon
Sampler Name: Anka Wiencek
Purging Device (pump type):
Pump/Tubing Intake (FT BMP):

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
											PID = 0
1731					12						
1732					12.83	1.63	7.15	-63	1.17	800	
					12.61	1.95	7.03	-97	0.74	0	
					12.54	2.00	6.98	-103	0.45	0	
1744											
					12.64	2.10	6.95	-107	0.35	0	
					12.86	2.16	6.93	-110	0.31	0	
1747											
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

(29) backs [illegible]
11 [illegible]

TR 15

WD 95.5

2.5 gal

22

60°F cloudy

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site — Sampling Date 5/14/13
Well Number MW-31 — Sampling Organization EarthCon
Field Personnel — Sampler Name
Initial Depth to Water (FT BMP) 54.06 — Purging Device (pump type)
Identify MP — Pump/Tubing Intake (FT BMP)

WD = 89.88
TB 14

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
1825					13.81	0.337	7.65	29	5.84	800	
1827											P.I.D = 0
1830					12.30	0.646	7.33	-114	2.17	0	3 gallons
1833											
1837					12.38	0.708	7.31	-153	0.45	800	
1840					12.75	0.626	7.36	-161	0.40	0	
1842					12.95	0.545	7.38	-156	0.64	0	brown water
1844											
1845					13.13	0.456	7.38	-141	1.34	0	
1850					13.27	0.368	7.34	-114	2.44	0	
1851											
					13.38	0.330	7.28	-89	3.12	0	
					13.45	0.324	7.24	-79	3.31	0	
										Time	Samples IDs

TB 17
MW/MSD
1903

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.)
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

Equip Blank 3
TB 18
By Itself
1920

(23)

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name): IEL Site — Sampling Date 05-16-2013
Well Number MW-235 — Sampling Organization Ed-th Con
Field Personnel AW / DO — Sampler Name Anka Wiencek
Initial Depth to Water (FT BMP) 8.19 — Purging Device (pump type) 2" submersible pump
Identify well Depth = 26.3 — Pump/Tubing Intake (FT BMP)

Clock Time (24 HR)	Water Depth Below MP (ft)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp. (C) (+/-3%)	Specific Cond.[2] (uS/cm) (+/-3%)	pH (+/-0.1)	ORP/Eh3 (mv) (+/-10%)	DO (mg/L) ((+/-10%)	Turbidity (NTU) (+/-10%)	Comments
											PID = 0
											TB 19
											well repaired on
0810					13.17	1.12	7.59	190	7.59	133	5/15/13
											purged dry
											Sampled by
											bailer
											Horiba measurements
										Time	Samples IDs

1. Pump dial setting (for eaxmple: hertz, cycles/min, etc.
2. uSiemens per cm (same as umhos/cm) at 25C
3. Oxidation reduction potential (stand in for Eh)
4. MP - well depth measuring point (i.e., top of casing)

Appendix D
Photocopies of Laboratory Chain of Custody Forms

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
EarthCon	JD Haines	05-13-2013	014378
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
	216-314-0770		
City / State / Zip Code	Site Contact	Lab Contact	
	Anka Wierzek	Nathan Pietras	
Project Name and Location (State)	Carrier/Waybill Number		
IEL - Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-17 NEW	5/13/13	1345		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-16 NEW	5/13/13	1435		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 8 (TB 8)	5/13/13			X						2			X									

240-24325 Chain of Custody

Special Instructions/ Conditions of Receipt

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-13-13	345	1. Received By		
2. Relinquished By			2. Received By	5/13/13	3:45
3. Relinquished By			3. Received By		

Comments
Cooler: MW-17 / MW-16 / Trip Blank (TB) 8

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-17 NEW	240-24325-D-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-17 NEW	240-24325-E-1	Plastic 250ml - with Sodium	>12		
MW-17 NEW	240-24325-G-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-17 NEW	240-24325-H-1	Plastic 500ml - with Zn Acetate and	>9		
MW-17 NEW	240-24325-I-1	Plastic 500ml - with Nitric Acid	<2		
MW-16 NEW	240-24325-D-2	Plastic 250ml - with Sulfuric Acid	<2		
MW-16 NEW	240-24325-E-2	Plastic 250ml - with Sodium	>12		
MW-16 NEW	240-24325-G-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-16 NEW	240-24325-H-2	Plastic 500ml - with Zn Acetate and	>9		
MW-16 NEW	240-24325-I-2	Plastic 500ml - with Nitric Acid	<2		

TestAmerica Canton Sample Receipt Form/Narrative Login # : 24325
Canton Facility

Client Earth Con Site Name _____ Cooler unpacked by:

Cooler Received on 5/13/13 Opened on 5/13/13

FedEx: 1st Grd Exp UPS FAS Stetson ~~Client Drop Off~~ TestAmerica Courier Other _____

TestAmerica Cooler # 570-50-65 Foam Box Client Cooler Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF –0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

~~IR GUN# 4G (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~ ☐ See Multiple Cooler Form

IR GUN# 5G (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +1 °C) Observed Cooler Temp. 9.2 °C Corrected Cooler Temp. 10.2 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes (No)
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? Yes (No)
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? (Yes) No NA pH Strip Lot# HC379740
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: JM

High temp ok samples straight from field.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client: Earth Con	Project Manager: JD Haines	Date: 05/09/2013	Chain of Custody Number: 014376
Address	Telephone Number (Area Code)/Fax Number: 216-314-0770	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact: Anka Wiencek	Lab Contact: Nate Pietros	
Project Name and Location (State): IEL - Uniontown	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-27i	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-26s	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 1 (TB1)	5/9/13			X						3			X									
MW-25S	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-10i	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 2 (TB2)	5/9/13			X						3			X									
MW-12i	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-30	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 4 (TB4)	5/9/13			X						3			X									
Duplicate 1	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 3 (TB3)	5/9/13			X						3			X									

Special Instructions/ Conditions of Receipt

240-24200 Chain of Custody

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For

are retained

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-9-13	445	1. Received By	5.9.13	445
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
Cooler: MW 27i / MW26S / TB1 Cooler: MW25S / MW10i / TB2 Cooler: MW12i / MW-30 / TB4
Cooler: Dup 1 / TB3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 24200
Canton Facility

Client EARTH CON Site Name _____ Cooler unpacked by: [signature]

Cooler Received on 5-9-13 Opened on 5-9-13

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
   - IR GUN# 1 (CF -0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   - IR GUN# 4G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   - IR GUN# 5G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   - IR GUN# 8 (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

☐ See Multiple Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes No
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC379740
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: [signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative Canton Facility			Login # : 29260	
Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
client cooler	1	4.7	4.7	ice
190		5.9	5.9	
client cooler		5.3	5.3	
client cooler	↓	2.3	2.3	↓

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-27I	240-24200-D-1	Plastic 250ml - with Sodium	>12		
MW-27I	240-24200-E-1	Plastic 500ml - with Zn Acetate and	>9		
MW-27I	240-24200-F-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-27I	240-24200-G-1	Plastic 500ml - with Nitric Acid	<2		
MW-27I	240-24200-K-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-26S	240-24200-D-2	Plastic 250ml - with Sodium	>12		
MW-26S	240-24200-E-2	Plastic 500ml - with Zn Acetate and	>9		
MW-26S	240-24200-F-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-26S	240-24200-G-2	Plastic 500ml - with Nitric Acid	<2		
MW-26S	240-24200-K-2	Plastic 250ml - with Sulfuric Acid	<2		
MW-25S	240-24200-D-4	Plastic 250ml - with Sodium	>12		
MW-25S	240-24200-E-4	Plastic 500ml - with Zn Acetate and	>9		
MW-25S	240-24200-F-4	Plastic 500ml - with Sulfuric Acid	<2		
MW-25S	240-24200-G-4	Plastic 500ml - with Nitric Acid	<2		
MW-25S	240-24200-K-4	Plastic 250ml - with Sulfuric Acid	<2		
MW-10I	240-24200-D-5	Plastic 250ml - with Sodium	>12		
MW-10I	240-24200-E-5	Plastic 500ml - with Zn Acetate and	>9		
MW-10I	240-24200-F-5	Plastic 500ml - with Sulfuric Acid	<2		
MW-10I	240-24200-G-5	Plastic 500ml - with Nitric Acid	<2		
MW-10I	240-24200-K-5	Plastic 250ml - with Sulfuric Acid	<2		
MW-12I	240-24200-D-7	Plastic 250ml - with Sodium	>12		
MW-12I	240-24200-E-7	Plastic 500ml - with Zn Acetate and	>9		
MW-12I	240-24200-F-7	Plastic 500ml - with Sulfuric Acid	<2		
MW-12I	240-24200-G-7	Plastic 500ml - with Nitric Acid	<2		
MW-12I	240-24200-K-7	Plastic 250ml - with Sulfuric Acid	<2		
MW-30	240-24200-D-8	Plastic 250ml - with Sodium	>12		
MW-30	240-24200-E-8	Plastic 500ml - with Zn Acetate and	>9		
MW-30	240-24200-F-8	Plastic 500ml - with Sulfuric Acid	<2		
MW-30	240-24200-G-8	Plastic 500ml - with Nitric Acid	<2		
MW-30	240-24200-K-8	Plastic 250ml - with Sulfuric Acid	<2		
DUPLICATE 1	240-24200-D-10	Plastic 250ml - with Sodium	>12		
DUPLICATE 1	240-24200-E-10	Plastic 500ml - with Zn Acetate and	>9		
DUPLICATE 1	240-24200-F-10	Plastic 500ml - with Sulfuric Acid	<2		
DUPLICATE 1	240-24200-G-10	Plastic 500ml - with Nitric Acid	<2		
DUPLICATE 1	240-24200-K-10	Plastic 250ml - with Sulfuric Acid	<2		

Chain of Custody Record

240-24386 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
EarthCon	JD Haines	05-14-2013	014372
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
	216-314-0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	AnkaWiencek	Nathan Pietras	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL-Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: 8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2	Special Instructions/ Conditions of Receipt
MW-13i NEW	5/14/13	0745		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MW-14i NEW	5/14/13	0841		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 9	5/14/13			X						2			X										
MW-7i	5/14/13	1001		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MW-03i	5/14/13	1030		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 11	5/14/13			X						2			X										
MW-01i (MW-01i)	5/14/13	1140		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MW-01s	5/14/13	1415		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 13	5/14/13			X						2			X										
Equipment Blank 2	5/14/13	0910		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Field Duplicate 2	5/14/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 12	5/14/13			X						2			X										

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		5-15-13	940		5/15/13	940
2.						
3.						

Comments
MW-13i/MW-14i/TB9; MW-7i/MW-03i/TB11; MW-01i/MW-01s/TB13; EB2/FDup2/TB12

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	J D Haines	5/14/13	014373
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 3
City / State / Zip Code	Site Contact: Anka Wieneck	Lab Contact: Nathan Pietros	
Project Name and Location (State): IEL-Uniontown	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 VOC	8270 SVOC	7 Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-11s	5/14/13	1535		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-11i	5/14/13	1600		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 14	5/14/13			X						2			X									
MW-21s	5/14/13	1702		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-29	5/14/13	1747		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 15	5/14/13			X						2			X									
Field Duplicate #3	5/14/13	—		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-31	5/14/13	1851		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 16	5/14/13			X						2			X									
MS #(MW-31)	5/14/13	1903		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MSD #(MW-31)	5/14/13	1910		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 17	5/14/13									2			X									

Special Instructions/ Conditions of Receipt

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: J-Of	5-15-13	940	1. Received By: [signature]	5/15/13	946
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: MW-11s/MW-11i/TB 14; MW-21s/MW-29/TB 15; FDup #3/MW-31/TB 16;

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	J D Haines	5/14/13	014365
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 3 of 3
	216-314-0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	Anka Wiencek	Nathan Pietros	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL-Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	Analysis: 8260 VOC	8270 SVOC	T Metals	Tot Cn	Ferrous	Chloride	Sulfate	Sulfide	NH_3	NO_3/NO_2	Special Instructions/ Conditions of Receipt
Equipment Blank 3	5/14/13	1920		X			3	2	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 18	5/14/13			X						2			X										

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-15-13	940	1. Received By	5/15/13	946
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative Login # : 24386
Canton Facility

Client Earth Con Site Name IEL
Cooler Received on 5/15/13 Opened on 5/15/13
Cooler unpacked by: Gary Burns
FedEx: 1st Grd Exp UPS FAS Stetson ~~Client Drop Off~~ TestAmerica Courier Other
TestAmerica Cooler # Foam Box Client Cooler Box Other Multiple
Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other
COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
   IR GUN# 1 (CF –0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN# 4G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN# 5G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   ~~IR GUN# 8~~ (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   ☒ See Multiple Cooler Form
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes (No)
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? Yes (No)
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? (Yes) No NA pH Strip Lot# HC379740
11. Were VOAs on the COC? (Yes) No
12. ~~Were air bubbles >6 mm in any VOA vials?~~ Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM NAP Date 5/15/13 by TB via (Verbal) Voice Mail Other
Concerning #14

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Field Duplicate #2 Rec'd 2 sulfide bottles + 2 metals bottles, No Sulfuric bottle + No unpres plastic bottle - per client do not log

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative Login # : 24386
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
CANTON	8	1.2	2.2	ICE
A796		1.0	2.0	
Buffalo		2.4	3.4	
TA No #		1.4	2.4	
A243		0.2	1.2	
Red Client		2.8	3.8	
White Client		1.6	2.6	
CANTON		0.6	1.6	
Edison		0.4	1.4	

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-13i NEW	240-24386-D-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-13i NEW	240-24386-E-1	Plastic 250ml - with Sodium	>12		
MW-13i NEW	240-24386-G-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-13i NEW	240-24386-H-1	Plastic 500ml - with Nitric Acid	<2		
MW-13i NEW	240-24386-I-1	Plastic 500ml - with Zn Acetate and	>9		
MW-14i NEW	240-24386-D-2	Plastic 250ml - with Sulfuric Acid	<2		
MW-14i NEW	240-24386-E-2	Plastic 250ml - with Sodium	>12		
MW-14i NEW	240-24386-G-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-14i NEW	240-24386-H-2	Plastic 500ml - with Nitric Acid	<2		
MW-14i NEW	240-24386-I-2	Plastic 500ml - with Zn Acetate and	>9		
MW-7i	240-24386-D-4	Plastic 250ml - with Sulfuric Acid	<2		
MW-7i	240-24386-E-4	Plastic 250ml - with Sodium	>12		
MW-7i	240-24386-G-4	Plastic 500ml - with Sulfuric Acid	<2		
MW-7i	240-24386-H-4	Plastic 500ml - with Nitric Acid	<2		
MW-7i	240-24386-I-4	Plastic 500ml - with Zn Acetate and	>9		
MW-03i	240-24386-D-5	Plastic 250ml - with Sulfuric Acid	<2		
MW-03i	240-24386-E-5	Plastic 250ml - with Sodium	>12		
MW-03i	240-24386-G-5	Plastic 500ml - with Sulfuric Acid	<2		
MW-03i	240-24386-H-5	Plastic 500ml - with Nitric Acid	<2		
MW-03i	240-24386-I-5	Plastic 500ml - with Zn Acetate and	>9		
MW-01i	240-24386-D-7	Plastic 250ml - with Sulfuric Acid	<2		
MW-01i	240-24386-E-7	Plastic 250ml - with Sodium	>12		
MW-01i	240-24386-G-7	Plastic 500ml - with Sulfuric Acid	<2		
MW-01i	240-24386-H-7	Plastic 500ml - with Nitric Acid	<2		
MW-01i	240-24386-I-7	Plastic 500ml - with Zn Acetate and	>9		
MW-01s	240-24386-D-8	Plastic 250ml - with Sulfuric Acid	<2		
MW-01s	240-24386-E-8	Plastic 250ml - with Sodium	>12		
MW-01s	240-24386-G-8	Plastic 500ml - with Sulfuric Acid	<2		
MW-01s	240-24386-H-8	Plastic 500ml - with Nitric Acid	<2		
MW-01s	240-24386-I-8	Plastic 500ml - with Zn Acetate and	>9		
EQUIPMENT BLANK 2	240-24386-D-10	Plastic 250ml - with Sulfuric Acid	<2		
EQUIPMENT BLANK 2	240-24386-E-10	Plastic 250ml - with Sodium	>12		
EQUIPMENT BLANK 2	240-24386-G-10	Plastic 500ml - with Sulfuric Acid	<2		
EQUIPMENT BLANK 2	240-24386-H-10	Plastic 500ml - with Nitric Acid	<2		
EQUIPMENT BLANK 2	240-24386-I-10	Plastic 500ml - with Zn Acetate and	>9		
MW-11s	240-24386-D-12	Plastic 250ml - with Sulfuric Acid	<2		
MW-11s	240-24386-E-12	Plastic 250ml - with Sodium	>12		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-11s	240-24386-G-12	Plastic 500ml - with Sulfuric Acid	<2		
MW-11s	240-24386-H-12	Plastic 500ml - with Nitric Acid	<2		
MW-11s	240-24386-I-12	Plastic 500ml - with Zn Acetate and	>9		
MW-11i	240-24386-D-13	Plastic 250ml - with Sulfuric Acid	<2		
MW-11i	240-24386-E-13	Plastic 250ml - with Sodium	>12		
MW-11i	240-24386-G-13	Plastic 500ml - with Sulfuric Acid	<2		
MW-11i	240-24386-H-13	Plastic 500ml - with Nitric Acid	<2		
MW-11i	240-24386-I-13	Plastic 500ml - with Zn Acetate and	>9		
MW-21s	240-24386-D-15	Plastic 250ml - with Sulfuric Acid	<2		
MW-21s	240-24386-E-15	Plastic 250ml - with Sodium	>12		
MW-21s	240-24386-G-15	Plastic 500ml - with Sulfuric Acid	<2		
MW-21s	240-24386-H-15	Plastic 500ml - with Nitric Acid	<2		
MW-21s	240-24386-I-15	Plastic 500ml - with Zn Acetate and	>9		
MW-29	240-24386-D-16	Plastic 250ml - with Sulfuric Acid	<2		
MW-29	240-24386-E-16	Plastic 250ml - with Sodium	>12		
MW-29	240-24386-G-16	Plastic 500ml - with Sulfuric Acid	<2		
MW-29	240-24386-H-16	Plastic 500ml - with Nitric Acid	<2		
MW-29	240-24386-I-16	Plastic 500ml - with Zn Acetate and	>9		
~~FIELD DUPLICATE #3~~	~~240-24386-D-18~~	~~Plastic 250ml - with Sulfuric Acid~~	~~<2~~		
FIELD DUPLICATE #3	240-24386-E-18	Plastic 250ml - with Sodium	>12		
FIELD DUPLICATE #3	240-24386-G-18	Plastic 500ml - with Sulfuric Acid	<2		
FIELD DUPLICATE #3	240-24386-H-18	Plastic 500ml - with Nitric Acid	<2		
FIELD DUPLICATE #3	240-24386-I-18	Plastic 500ml - with Zn Acetate and	>9		
MW-31	240-24386-A-19 MS	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-A-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	~~240-24386-AD-19~~	~~Amber Glass 1 liter - Nitric Acid~~	9/5/13		
MW-31	240-24386-J-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-K-19	Plastic 250ml - with Sodium	>12		
MW-31	240-24386-L-19	Plastic 250ml - with Sodium	>12		
MW-31	240-24386-M-19	Plastic 250ml - with Sodium	>12		
MW-31	240-24386-Q-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-R-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-S-19	Plastic 500ml - with Nitric Acid	<2		
MW-31	240-24386-T-19	Plastic 500ml - with Nitric Acid	<2		
MW-31	240-24386-U-19	Plastic 500ml - with Nitric Acid	<2		
MW-31	240-24386-V-19	Plastic 500ml - with Zn Acetate and	>9		
MW-31	240-24386-W-19	Plastic 500ml - with Zn Acetate and	>9		
MW-31	240-24386-X-19	Plastic 500ml - with Zn Acetate and	>9		
EQUIPMENT BLANK 3	240-24386-D-22	Plastic 250ml - with Sulfuric Acid	<2		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
EQUIPMENT BLANK 3	240-24386-E-22	Plastic 250ml - with Sodium	>12	_____	_____
EQUIPMENT BLANK 3	240-24386-G-22	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
EQUIPMENT BLANK 3	240-24386-H-22	Plastic 500ml - with Nitric Acid	<2	_____	_____
EQUIPMENT BLANK 3	240-24386-I-22	Plastic 500ml - with Zn Acetate and	>9	_____	_____

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	JD Haines	05-16-2013	014366

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
	216-314-0770		

City	State	Zip Code	Site Contact	Lab Contact
			Anka Wieniek	Nathan Pietras

Project Name and Location (State)	Carrier/Waybill Number
IEL - Uniontown	

Contract/Purchase Order/Quote No.

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2	Special Instructions/ Conditions of Receipt
MW-23s	5/16/13	0810		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Field Duplicate 4	5/16/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Test Blank 19				X						2			X										

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Anka Wieniek	5/16/13	1100	1. Received By: [signature]	5/16/13	1120
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 1 Cooler

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Appendix E
Data Validation and Lab Data Sheets

EARTHCON℠
Environmental Challenges
BUSINESS SOLUTIONS

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MEMORANDUM

TO:	JD Haines, EarthCon Site Services
FROM:	Kathy J. Gunderson, Senior Quality Assurance Chemist
DATE:	July 1, 2013
SUBJECT:	Data Quality Review
PROJECT:	Groundwater Monitoring, Industrial Excess Landfill, Uniontown, Ohio
RE	May 2013 Sampling Event
Project #:	02.20110001.00-50

1.0 Introduction

This memorandum presents the cursory validation of the samples collected as part of the groundwater monitoring event conducted at the Industrial Excess Landfill site. As listed in Table 1, 23 groundwater samples, three field duplicates, three field blanks, and 18 trip blanks were collected between May 10th and 16th, 2013. The analyses were performed by Test America Laboratories, Inc. at their North Canton, Ohio and Pittsburgh, Pennsylvania facilities.

The criteria used to qualify data are from the *Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review* (USEPA 1999 and 1994), the analytical methods, or the professional judgment of the validation chemist. The following laboratory deliverables were reviewed during the validation process:

- Chain-of-custody (COC) documentation to assess holding times and verify report completeness
- Laboratory quality control (QC) sample results, including method blanks, surrogate spikes, laboratory control sample/laboratory control sample duplicates (LCS/LCSDs), matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates
- Analytical results to verify reporting limits
- Mass spectra of tentatively identified compounds (TICs) to verify spectral matching

- Field QC samples to assess field blank contamination and field duplicate precision

Table 2 presents the field duplicate precision and the qualified data are summarized in Table 3 at the end of this memorandum. For results qualified more than once, the most stringent qualifier is applied to the data. Data qualifier flags have been added to the project database.

2.0 Data Validation Findings

2.1 Custody, Preservation, and Completeness – Acceptable with Discussion

Sample custody was maintained as required from sample collection to receipt at the laboratory. Except as noted, the samples were received intact and were properly preserved. The reports are complete and contain results for all samples and tests requested on the COC forms.

- Sample Field Duplicate 2 is listed on the 240-24386 COC; however, sufficient sample volume for all analyses was not collected. Analysis of this sample was cancelled.
- The laboratory receipt temperature of samples associated with reports 240-24325 and 240-24251 were above the temperature range of 2 to 6 °C. The samples of report 240-24325 were 10 °C and the samples of report 240-24251 were between and 8 and 11 °C. Data qualifiers are not require because, in both cases, the samples were delivered to the laboratory within three hours of collection.

2.2 Volatile Organic Compound Analyses

2.2.1 Holding Times – Acceptable

The samples were analyzed within the method-specified holding time of 14 days from collection for preserved water samples.

2.2.2 Blank Analyses – Acceptable with Qualification

2.2.2.1 Method Blanks

Method blanks were analyzed at the required frequency and, expect as noted below, target analytes were not detected above the method detection limits (MDLs).

- Methylene chloride, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene were detected in the method blank of batch 86639 at 0.473, 0.277, 0.430, 0.259 and 0.411 µg/L, respectively. Data qualifiers are not required because none of these analytes were detected in the associated samples.
- Methylene chloride was detected in the 86761 method blank at 0.401 µg/L. Functional Guidelines prescribes three qualifications schemes for organic blank contamination: (1) associated sample concentrations greater

than the action level (five times the blank concentration) are not qualified, (2) associated sample concentrations less than the action level and greater than the reporting limit are qualified as undetected (U) at the reported value, and (3) associated sample concentrations less than the action level and less than the reporting limit are qualified as undetected (U) at the reporting limit. One associated sample (MW-12I) required qualification as shown below and in Table 3.

- TICs were detected in the method blank of batch 175786. When the retention time and mass spectra of a sample TIC matches a TIC found in the method blank, the sample TIC result is qualified as undetected (U) as shown below. Note that occasionally the TIC will have a different identification (i.e., unknown vs. a chemical name) in the method blank and sample.
- Naphthalene was detected as a TIC in the method blank analyzed June 8, 2011 at a value that is below what is considered reportable (0.298 µg/L). Naphthalene was detected as a TIC in one associated sample (MW-03I) at a comparable level (0.47 µg/L). The naphthalene result of sample MW-03I is qualified as U.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-12I	Methylene chloride	U at RL	Result < RL & < 10X the method blank level
MW-21S	Unknown TIC at 12.10 min	U	Detected in Method blank
Field Duplicate 3	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank
Field Duplicate 3	Unknown TIC at 12.05 min	U	Detected in Method blank
Equipment Blank 3	Unknown TIC at 12.10 min	U	Detected in Method blank
MW-23S	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank
Field Duplicate 4	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank
Test Blank 19	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank

2.2.2.2 Field Blanks

Three equipment blanks and 18 trip blanks are associated with the samples. Target analytes were not detected above the MDLs in the equipment blanks or trip blanks, except as noted below.

- Toluene, isobutene and tetrahydrofuran were detected in Trip Blank 8 at 0.97, 11, and 1.3 µg/L, respectively. Functional Guidelines prescribes three qualifications schemes for organic blank contamination: (1) associated sample concentrations greater than the action level (five times the blank concentration) are not qualified, (2) associated sample concentrations less than the action level and greater than the reporting limit are qualified as undetected (U) at the reported value, and (3) associated sample concentrations less than the action level and less than the reporting limit are qualified as undetected (U) at the reporting limit.

One associated sample (MW-16 NEW) required qualification as shown below and in Table 3.

- Toluene and isobutene were detected in Field Equip Blank 1 at 0.30 and 7.3 µg/L, respectively. Data qualifiers are not required because neither of these analytes was detected in the associated samples.
- Toluene and isobutene were detected in Trip Blank 7 at 0.37 and 8.2 µg/L, respectively. Data qualifiers are not required because neither of these analytes was detected in the associated samples.
- Chloroform and an unknown TIC at 4.48 minutes were detected in Trip Blanks 9 and 12. Chloroform concentrations are 0.23 and 0.18 µg/L and the unknown concentrations are 1.8 and 1.3 µg/L, respectively. Data qualifiers are not required beaus neither of these analytes was detected in the associated samples.
- Chloroform was detected in Trip Blanks 11 and 13 at 0.24 and 0.21 µg/L, respectively. Data qualifiers are not required beaus chloroform was not detected in the associated samples.
- Chloroform and two TICs (octamethylcyclotetrasiloxane and 1,2,3-trimehtyl (1-alpha)cyclopentane) were detected in Trip Blank 14 at 0.22, 1.4, and 1.6 µg/L, respectively. Data qualifiers are not required beaus neither of these analytes was detected in the associated samples.
- Hexamethyltrisiloxane, cis-1,4-dichloro-2-butene, and unknown TICs at 6.33 and 14.10 minutes were detected in Equipment Blanks 3 at 62,000, 4.5, 790, 77 gµg/L, respectively. Per Functional Guidelines protocols, the associated samples were qualified as shown below and in Table 3.
- Acetone, toluene, hexamethylcyclotrisiloxane, decamethylcyclopentasiloxane, dodecamethylcyclohexasiloxane, octomethylcyclohexasiloxane, and an unknown TIC at 4.14 minutes were detected in Equipment Blank 2 with concentrations ranging from 0.67 to 36 µg/L. Per Functional Guidelines protocols, the associated samples were qualified as shown below and in Table 3.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-16 NEW	Toluene	U at RL	Result < RL & < 5X the trip blank level
MW-11S	Unknown TIC at 6.43 min.	U	Detected in Equipment Blank 3
MW-21S	TIC Trimethylcyclosiloxane	U	Detected in Equipment Blank 3
MW-21S	TIC Hexamethylcyclotetrasiloxane	U	Detected in Equipment Blank 3
MW-29	TIC Unknown TIC at 6.34 min.	U	Detected in Equipment Blank 3
Field Duplicate 3	Unknown TIC at 6.33 min.	U	Detected in Equipment Blank 3
Field Duplicate 3	TIC Hexamethylcyclotetrasiloxane	U	Detected in Equipment Blank 3
Field Duplicate 3	Unknown TIC at 14.10 min.	U	Detected in Equipment Blank 3
MW-31	Unknown TIC at 6.33 min.	U	Detected in Equipment Blank 3

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Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-31	Unknown TIC at 14.09 min.	U	Detected in Equipment Blank 3
MW-13I NEW	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank 3
MW-13I NEW	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank 3
MW-13I NEW	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank 3
MW-01I	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank 3
MW-01I	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank 3
MW-01I	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank 3
MW-01S	Toluene	U at RL	Result < RL & < 5X EB level
MW-01S	Unknown TIC at 10.63 min.	U	Detected in Equipment Blank 3
MW-01S	Unknown TIC at 10.63 min.	U	Detected in Equipment Blank 3
MW-01S	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank 3
MW-01IS	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank 3
MW-01IS	Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank 3
MW-11S	Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank 3
MW-11I	Decamethylcyclopentasiloxane	U	Detected in Equipment Blank 3
MW-11I	Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank 3
MW-11I	Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank 3
MW-21S	Hexamethylcyclotrisiloxane	U	Detected in Equipment Blank 3

2.2.3 Surrogate Analyses – Acceptable with Qualification

Surrogate compounds were added to all samples, blanks and QC samples as required. With the following exceptions, the recovery values are within the laboratory control limits.

- The recovery of all four surrogates in sample Field Duplicate #3 are above the laboratory control limits with values ranging from 133 to 144 percent. Due to the potential high bias, only positive results are qualified as estimated (J) as shown below and in Table 3.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
Field Duplicate #3	Positive VOC results	J	Surrogate recovery above laboratory limits

2.2.4 Laboratory Control Sample Analyses – Acceptable

LCSs were analyzed at the required frequency of one per batch. The recovery values are within the laboratory control limits.

2.2.5 Matrix Spike/Matrix Spike Duplicate Analyses – Acceptable with Qualification

MS/MSD analyses were performed at the required frequency. The recovery and relative percent difference (RPD) values are within the laboratory control limits, with the following exceptions.

- The MS and MSD recovery values of benzene, dibromochloromethane, chlorobenzene, chloroform, 1,1-dichloroethane, 1,2-dichloropropane, ethyl benzene, methylene chloride, styrene, toluene, total xylenes, 1,1,2-

trichloroethane, ethylene dibromide, cis-1,2-dichloroethene, trans-1,2-dichloroethene, isopropylbenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene in the spiked analysis of sample MW-18I are below criteria with values ranging from 56 to 70 percent. Per Functional Guidelines protocols, positive results are qualified as estimated (J flagged) and undetected results are qualified as estimated detection limit (UJ flagged) in sample MW-18I. None of the affected analytes were detected in sample MW-18I; therefore, all results were qualified as estimated detection limit as shown below and in Table 3.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-18I	Benzene	UJ	MS & MSD recovery below laboratory limits
MW-18I	Dibromochloromethane	UJ	MS & MSD recovery below laboratory limits
MW-18I	Chlorobenzene	UJ	MS & MSD recovery below laboratory limits
MW-18I	Chloroform	UJ	MS & MSD recovery below laboratory limits
MW-18I	1,1-dichloroethane	UJ	MS & MSD recovery below laboratory limits
MW-18I	1,2-dichloropropane	UJ	MS & MSD recovery below laboratory limits
MW-18I	Ethyl benzene	UJ	MS & MSD recovery below laboratory limits
MW-18I	Methylene chloride	UJ	MS & MSD recovery below laboratory limits
MW-18I	Styrene	UJ	MS & MSD recovery below laboratory limits
MW-18I	Toluene	UJ	MS & MSD recovery below laboratory limits
MW-18I	Total xylenes	UJ	MS & MSD recovery below laboratory limits
MW-18I	1,1,2-trichloroethane	UJ	MS & MSD recovery below laboratory limits
MW-18I	Ethylene dibromide	UJ	MS & MSD recovery below laboratory limits
MW-18I	cis-1,2-dichloroethene	UJ	MS & MSD recovery below laboratory limits
MW-18I	trans-1,2-dichloroethene	UJ	MS & MSD recovery below laboratory limits
MW-18I	Isopropylbenzene	UJ	MS & MSD recovery below laboratory limits
MW-18I	1,2-dichlorobenzene	UJ	MS & MSD recovery below laboratory limits
MW-18I	1,3-dichlorobenzene	UJ	MS & MSD recovery below laboratory limits
MW-18I	1,4-dichlorobenzene	UJ	MS & MSD recovery below laboratory limits

2.2.6 Tentatively Identified Compounds – Acceptable with Qualification

Tentatively identified compounds (TICs) were reported as required. The mass spectra of the TICs was reviewed and found to be acceptable. Per Functional Guidelines protocol, all TIC results are qualified as tentatively identified (N) and estimated (J). It should be noted that substituted methylcyclosiloxane TICs are artifacts of column degradation, aka "column bleed".

- Several non-target analytes were reported as TICs with calibrated results (J or unflagged TIC results). Since the analytical system was fully calibrated for these compounds, the NJ qualifier usually applied to TIC results is not applicable. The calibrated TICs are 2-methyl-2-propanol (tert-butyl alcohol), tetrahydrofuran, 1,4-dioxane, 2-methylhexanone, ethyl ether, naphthalene, 1,2,3-trichlorobenzene, dichlorofluoromethane, chlorodifluoromethane, cis-1,4-dichloro-2-butene, chlorofluoromethane, and isopropyl alcohol.

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- Methylene chloride was reported as a TIC in samples Trip blank 15, Trip blank 16, and Trip blank 17. Methylene chloride was not detected above the MDL in any of these trip blank samples. Test America was contacted and verified that the methylene chloride concentration is below the MDL and methylene chloride should not have been listed as a TIC. The methylene chloride TIC results of samples Trip blank 15, Trip blank 16, and Trip blank 17 are rejected (qualified R).
- Results for TICs that are uncalibrated are qualified NJ to denote their tentative identification and estimated concentration.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
All samples	Uncalibrated VOC TICs	NJ	Tentative identification & estimated concentration
Trip Blank 15	Methylene chloride TIC	R	Concentration below MDL
Trip Blank 16	Methylene chloride TIC	R	Concentration below MDL
Trip Blank 17	Methylene chloride TIC	R	Concentration below MDL

2.2.7 Laboratory Reporting Limits – Acceptable with Qualification

The MDLs are less than the maximum contaminant levels (MCLs) (USEPA 2003), with two exceptions.

- The ethylene dibromide and 1,2-bromo-3-chloropropane MCLs were not met. The ethylene dibromide and 1,2-dibromo-3-chloropropane MDLs are 0.24 and 0.67 µg/L, which are greater than the MCLs of 0.05 and 0.2 µg/L, respectively.
- Two calibrated TIC results are above the calibration range (laboratory E flag). Results above the calibration range are qualified as estimated (J) as shown below and in Table 3.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-21S	1,4-dioxane	J	Result above the calibration range
Field Duplicate #3	1,4-dioxane	J	Result above the calibration range

2.2.8 Field Duplicates – Acceptable with Qualification

Three field duplicates were collected with the samples. Sample Field Dup 1 is a field duplicate of sample MW-30, sample Field Duplicate #3 is a field duplicate of sample MW-21S, and sample Field Duplicate 4 is a field duplicate of sample MW-23S. (Analysis of Field Duplicate 2 was cancelled due to insufficient sample volume.) RPD values less than or equal to 30 are considered acceptable precision for water samples. Note that only calibrated TIC results are used to calculate RPD values for TICs. With the exceptions noted below, field duplicate precision is acceptable. Field duplicate precision is summarized in Table 2.

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- The RPD values of 1,1-dichloroethane, 1,2-dichloroethane, 1,4-dioxane, 2-methyl-2-propanol, ethyl ether, isopropyl alcohol, methyl tert butyl ether, and tetrahydrofuran for field duplicate pair MW-21S/Field Duplicate #3 are above criteria with values ranging from 32 to 132. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J).

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-21S	1,1-dichloroethane	J	Field duplicate RPD greater than 30
MW-21S	1,2-dichloroethane	J	Field duplicate RPD greater than 30
MW-21S	1,4-dioxane	J	Field duplicate RPD greater than 30
MW-21S	2-methyl-2-propanol	J	Field duplicate RPD greater than 30
MW-21S	Ethyl ether	J	Field duplicate RPD greater than 30
MW-21S	Isopropyl alcohol	J	Field duplicate RPD greater than 30
MW-21S	Methyl tert butyl ether	J	Field duplicate RPD greater than 30
MW-21S	Tetrahydrofuran	J	Field duplicate RPD greater than 30
Field Duplicate #3	1,1-dichloroethane	J	Field duplicate RPD greater than 30
Field Duplicate #3	1,2-dichloroethane	J	Field duplicate RPD greater than 30
Field Duplicate #3	1,4-dioxane	J	Field duplicate RPD greater than 30
Field Duplicate #3	2-methyl-2-propanol	J	Field duplicate RPD greater than 30
Field Duplicate #3	Ethyl ether	J	Field duplicate RPD greater than 30
Field Duplicate #3	Isopropyl alcohol	J	Field duplicate RPD greater than 30
Field Duplicate #3	Methyl tert butyl ether	J	Field duplicate RPD greater than 30
Field Duplicate #3	Tetrahydrofuran	J	Field duplicate RPD greater than 30

2.2.9 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data are acceptable. The data qualifier flags modify the usefulness of the individual values.

2.3 Semivolatile Organic Compound Analyses

2.3.1 Holding Times – Acceptable with Qualification

Except as noted below, the samples were extracted within the method-specified holding time of 7 days from collection and analyzed within the method-specified holding time of 40 days from extraction.

- Samples in laboratory reports 240-24251, 240-24325, and 240-24471 were re-extracted outside hold time due to quality issues with the LCS (see section 2.3.4). Since results are comparable between the original and re-extracted results, the re-extracted results have been rejected (R qualified) in favor of the original results that were extracted within hold time.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
Reanalysis of all samples in laboratory reports 240-24251	SVOCs	R	Extraction hold time exceeded, rejected in favor of original analysis
Reanalysis of all samples in laboratory reports 240-24325	SVOCs	R	Extraction hold time exceeded, rejected in favor of original analysis
Reanalysis of all samples in laboratory reports 240-24471	SVOCs	R	Extraction hold time exceeded, rejected in favor of original analysis

2.3.2 Blank Analyses – Acceptable with Qualification

2.3.2.1 Method Blanks

Method blanks were analyzed at the required frequency of one per extraction batch. Target analytes were not detected above the MDLs in the method blanks; however, TICs were detected in the method blanks as discussed below.

- TICs were detected in the method blanks. When the retention time and mass spectra of a sample TIC matches a TIC found in the associated method blank, the sample TIC result is qualified as undetected (U) as shown below. Note that occasionally the TIC will have a different identification (i.e., unknown vs. a chemical name) in the method blank and sample.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
Duplicate 1	Unknown TIC at 6.52 min	U	TIC found in method blank
Duplicate 1	Unknown TIC at 6.85 min	U	TIC found in method blank
MW-17 NEW	Unknown TIC at 8.75 min	U	TIC found in method blank
MW-18S	TIC n-hexadecanoic acid	U	TIC found in method blank
MW-18S	TIC Octadecanoic acid	U	TIC found in method blank
MW-18I	TIC Octadecanoic acid	U	TIC found in method blank
MW-22I	Unknown TIC at 6.15 min	U	TIC found in method blank
Field Equip Blank 1	Unknown TIC at 6.15 min	U	TIC found in method blank
Field Equip Blank 1	Unknown TIC at 15.26 min	U	TIC found in method blank
Field Equip Blank 1	Unknown TIC at 17.21 min	U	TIC found in method blank
MW-23S	Unknown TIC at 6.46 min	U	TIC found in method blank
MW-23S	Unknown TIC at 10.61 min	U	TIC found in method blank
Field Duplicate 4	Unknown TIC at 6.46 min	U	TIC found in method blank
Field Duplicate 4	TIC Bis(2-methylpropyl)carboxcyclic acid	U	TIC found in method blank

2.3.2.2 Field Blanks

Three equipment blanks were collected with the samples. TICs and target analytes were detected above the MDLs in the field blanks. Associated samples were qualified as shown below.

- Benzaldehyde was detected in all three equipment blanks at concentrations ranging from 0.53 to 0.74 µg/L. Data qualifiers are not required because benzaldehyde was not detected in the field samples.

- TICs were detected in the equipment blanks. When the retention time and mass spectra of a sample TIC matches a TIC found in the associated field blank, the sample TIC result is qualified as undetected (U) as shown below.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-13I NEW	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-14I NEW	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-7I	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-03I	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-01I	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-01S	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-01S	Unknown TIC at 13.50 min	U	TIC found in equipment blank 3
MW-11S	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-11I	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-21S	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-29	TIC Octadecanoic acid	U	TIC found in equipment blank 3
MW-31	TIC Octadecanoic acid	U	TIC found in equipment blank 3

2.3.3 Surrogate Analyses – Acceptable with Discussion

Surrogate compounds were added to all samples, blanks, and QC samples as required. With the following exceptions, the recovery values are within the laboratory control limits.

- The terphenyl-d_{14} surrogate recovery value for sample MW-12I is below the laboratory control limits at 13 percent. Data qualifiers are not required because Function Guidelines allow one surrogate (out of six) to fail criteria without qualification.
- The terphenyl-d_{14} surrogate recovery value for the original analysis of sample MW-16 NEW is below the laboratory control limits at 16 percent. The terphenyl-d_{14} and phenol-d_6 surrogate recovery values for reanalysis of sample MW-16 NEW are below the laboratory control limits at 19 and 15 percent, respectively. Data qualifiers are not required for the original analysis since only one surrogate is outside criteria. Data qualifiers are not required for the reanalysis because it was rejected in favor of the original analysis.
- The terphenyl-d_{14}, surrogate recovery value for the reanalyzed MS of sample MW-18I is below the laboratory control limits at 19 percent. Data qualifiers are not required for the laboratory QC samples.

2.3.4 Laboratory Control Sample Analyses – Acceptable with Qualification

LCSs were analyzed at the required frequency of one per extraction batch. The recovery values are within the laboratory control limits, except as noted below.

- For the LCS of batch 86125, associated with laboratory report 240-24200, the hexachlorocyclopentadiene recovery value is below the laboratory control limits at 0.8 percent. The samples were not re-extracted. Functional Guidelines prescribes estimating (J qualifier) positive results and rejecting undetected results (R qualifier) associated with recovery values below ten percent. The hexachlorocyclopentadiene results of the associated samples are all undetected and rejected (qualified R) due to the extremely low LCS recovery.
- The hexachlorocyclopentadiene recovery values in the 86126, 86336, 86337, and 87400 LCSs are below the laboratory control limits at one, zero, zero, and three percent, respectively. The laboratory re-extracted the samples and associated QC samples out of hold time. Hexachlorocyclopentadiene recovery in the re-extracted LCSs are acceptable. Since the sample results are similar between the original analysis and the reanalysis, the original extraction results are utilized; the re-extracted results are rejected (qualified R). Due to the low hexachlorocyclopentadiene recovery, the hexachlorocyclopentadiene results of all samples are qualified as estimated detection limit (UJ).
- The 1,1-biphenyl, 2chloronaphthalene, 2-methylnaphhtylene, 4-chlorophenyl phenylether, acenaphthene, acenaphthylene, dibenzofuran, fluorene, and phenanthrene recovery values in the 86126 LCS are below the laboratory control limits with values ranging from 41 to 52 percent. Since none of these analytes were detected in the two associated samples, the results are qualified as estimated detection limit (UJ) due to the low bias demonstrated by the LCS recovery.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-12I	Hexachlorocyclopentadiene	R	LCS recovery below 10%
MW-30	Hexachlorocyclopentadiene	R	LCS recovery below 10%
Duplicate 1	Hexachlorocyclopentadiene	R	LCS recovery below 10%
MW-18S	1,1-biphenyl	UJ	LCS recovery below laboratory limits
MW-18S	2-chloronaphthalene	UJ	LCS recovery below laboratory limits
MW-18S	2-methylnaphhtylene	UJ	LCS recovery below laboratory limits
MW-18S	4-chlorophenyl phenylether	UJ	LCS recovery below laboratory limits
MW-18S	Acenaphthene	UJ	LCS recovery below laboratory limits
MW-18S	Acenaphthylene	UJ	LCS recovery below laboratory limits
MW-18S	Dibenzofuran	UJ	LCS recovery below laboratory limits
MW-18S	Fluorene	UJ	LCS recovery below laboratory limits
MW-18S	Phenanthrene	UJ	LCS recovery below laboratory limits
MW-18I	1,1-biphenyl	UJ	LCS recovery below laboratory limits
MW-18I	2-chloronaphthalene	UJ	LCS recovery below laboratory limits
MW-18I	2-methylnaphhtylene	UJ	LCS recovery below laboratory limits
MW-18I	4-chlorophenyl phenylether	UJ	LCS recovery below laboratory limits
MW-18I	Acenaphthene	UJ	LCS recovery below laboratory limits
MW-18I	Acenaphthylene	UJ	LCS recovery below laboratory limits

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-18I	Dibenzofuran	UJ	LCS recovery below laboratory limits
MW-18I	Fluorene	UJ	LCS recovery below laboratory limits
MW-18I	Phenanthrene	UJ	LCS recovery below laboratory limits
MW-17 NEW	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
MW-16 NEW	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
MW-18S	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
MW-18I	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
MW-22I	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
Field Equip Blank 1	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
MW-23S	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result
Field Duplicate 4	Hexachlorocyclopentadiene	UJ	LCS recovery below 10% & similar re-extraction result

2.3.5 Matrix Spike/Matrix Spike Duplicate Analyses – Acceptable with Qualification

MS/MSD analyses were reported at the project-specific frequency of one pair per 20 field samples. The recovery and RPD values are within the laboratory control limits, with the following exceptions.

- The 3,3'-dichlorobenzidine MS and MSD recovery values and hexachlorocyclopentadiene MS recovery value in the spiked analysis of sample MW-18I are below the laboratory control limits with values of 4, 5, and 7 percent, respectively. The laboratory re-extracted the samples and MS/MSD samples out of hold time. The 3,3'-dichlorobenzidine and hexachlorocyclopentadiene recovery values in the re-extracted MS/MSD are acceptable (although the caprolactam and phenol recovery are low). Since the 3,3'-dichlorobenzidine and hexachlorocyclopentadiene results are similar between the original and re-extracted analysis, the original extraction results are utilized; the 3,3'-dichlorobenzidine and hexachlorocyclopentadiene results are qualified as estimated detection limit (UJ).

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-18I	3,3'-dichlorobenzidine	UJ	MS & MSD recovery below 10% & similar re-extraction result
MW-18I	Hexachlorocyclopentadiene	UJ	MS & MSD recovery below 10% & similar re-extraction result

2.3.6 Tentatively Identified Compounds – Acceptable with Qualification

TICs were reported as required. The TIC mass spectra were reviewed and found to be acceptable, except as noted below. Per Functional Guidelines protocol, all TIC results are qualified as tentatively identified (N) and estimated (J).

- In several cases, the spectra of the TIC peak does not support the specific compound identified. In these cases, the TIC identification is changed to unknown as shown below and in Table 3.
- Results for TICs that are uncalibrated are qualified NJ to denote their tentative identification and estimated result.
- The 1,4-dioxin TIC result of samples MW-26S and MW-27I are flagged as above the calibration range (laboratory E flag). These results are qualified as estimated (J).
- The surrogate 1,4-dichlorobenzene-d_4 was listed as a TIC in samples MW-10I and MW-26S. The results are rejected (qualified R) because 1,4-dichlorobenzene-d_4 is a laboratory QC compound.

Sample ID	Analyte	Qualifier/Data Change	Quality Control Exceedance
All samples	All uncalibrated SVOC TICs	NJ	Tentative identification & estimated concentration
MW-25S	Acrylamide TIC	Unknown TIC	Spectra does not support specific identification
MW-10I	Acrylamide TIC	Unknown TIC	Spectra does not support specific identification
MW-21S	Acrylamide TIC	Unknown	Spectra does not support specific identification
MW-21S	3-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
MW-21S	2-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
Field Duplicate 4	Acrylamide TIC	Unknown TIC	Spectra does not support specific identification
Field Duplicate 4	3-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
Field Duplicate 4	2-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
MW-10I	TIC 1,4-dichlorobenzene-d4	R	Not a TIC (Surrogate compound
MW-26S	TIC 1,4-dichlorobenzene-d4	R	Not a TIC (Surrogate compound
MW-27I	TIC 1,4-dioxane	J	Result above calibration range
MW-26S	TIC 1,4-dioxane	J	Result above calibration range

2.3.7 Laboratory Reporting Limits – Acceptable with Qualification

The MDLs are less than the MCLs, with one exception.

- The pentachlorophenol MCL was not met. The pentachlorophenol MDL is 2.3 µg/L, which is greater than the MCL of 1.0 µg/L.
- 1,4-dioxane was reported as a calibrated TIC in the VOC and SVOC analyses. For two samples, 1,4-dioxane was reported as both a VOC and SVOC TIC, with the SVOC results above the calibration range (laboratory E flag). The SVOC 1,4-dioxane TIC results of samples MW-27I and MW-26S are rejected (qualified R) in favor of the VOC results. Note that the VOC and SVOC results are comparable.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-27I	1,4-dioxane (SVOC result)	R	Result above calibration range, rejected in favor of VOC result
MW-26S	1,4-dioxane (SVOC result)	R	Result above calibration range, rejected in favor of VOC result

2.3.8 Field Duplicates – Acceptable with Qualification

Three field duplicates were collected with the samples. Sample Field Duplicate 1 is a field duplicate of sample MW-23S, sample Field Duplicate 2 is a field duplicate of sample MW-17 NEW, and sample Field Duplicate 3 is a field duplicate of sample MW-21S. RPD values less than or equal to 30 are considered acceptable precision for water samples. Except as noted below, field duplicate precision is acceptable as shown in Table 2.

- The RPD values of 2-methylnaphthalene, naphthalene, and phenanthrene for field duplicate pair MW-30/Duplicate 1 are above criteria at 85, 84, and 78, respectively. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J).
- The bis(2-ethylhexyl)phthalate RPD value for field duplicate pair MW-23S/Field Duplicate 4 is above criteria at 46. The bis(2-ethylhexyl)phthalate results of both samples are qualified as estimated (J).

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-30	2-methylnaphthalene	J	Field duplicate RPD greater than 30
MW-30	Naphthalene	J	Field duplicate RPD greater than 30
MW-30	Phenanthrene	J	Field duplicate RPD greater than 30
Duplicate 1	2-methylnaphthalene	J	Field duplicate RPD greater than 30
Duplicate 1	Naphthalene	J	Field duplicate RPD greater than 30
Duplicate 1	Phenanthrene	J	Field duplicate RPD greater than 30
MW-23S	Bis(2-ethylhexyl)phthalate	J	Field duplicate RPD greater than 30
Field Duplicate 4	Bis(2-ethylhexyl)phthalate	J	Field duplicate RPD greater than 30

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2.3.9 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data are acceptable. The data qualifier flags modify the usefulness of the individual values.

2.4 Total Metals Analyses

2.4.1 Holding Times – Acceptable

The samples were analyzed within the method-required holding times of 28 days for mercury and 180 days for all other metals.

2.4.2 Blank Analyses – Acceptable with Qualification

2.4.2.1 Method Blanks

Method blanks were analyzed at the required frequency of one per digestion batch. Except as noted below, target metals were not detected above the MDLs in the method blanks.

- Total antimony, arsenic, barium, calcium chromium, copper, iron, magnesium, potassium, manganese, nickel, zinc, and sodium were detected in the 85431 method blank with concentrations ranging from 0.093 to 45.3 µg/L. Functional Guidelines prescribes two qualifications schemes for inorganic blank contamination: (1) associated sample concentrations greater than the action level (five times the blank concentration) are not qualified, and (2) associated sample concentrations less than the action level are qualified as undetected (U) at the reported value. The associated samples were qualified as shown in the table below.
- Total antimony, arsenic, barium, calcium, copper, magnesium, zinc, and sodium were detected in the 85795 method blank at 0.158, 0.067, 0.604, 242, 0.577, 41.3, 17.6, and 29.3 µg/L, respectively. Data qualifiers are not required because the associated samples (MW-17NEW and MW-16 NEW) results are greater than five times the method blank concentrations.
- Total antimony, arsenic, barium, calcium, copper, magnesium, manganese, sodium, and zinc were detected in the 85624 method blank at 0.223, 0.147, 0.625, 175, 0.624, 33, 2.47, 41, and 9.72 µg/L, respectively. Per Functional Guidelines protocols, the associated samples were qualified as shown below.
- Total antimony, arsenic, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, silver, sodium, and zinc were detected in the 86111 method blank at 0.298, 0.071, 0.636, 200, 0.603, 55.1, 45.3, 0.422, 0.125, 12.8, 0.056, 51.4, and 24.5 µg/L, respectively. Per

Functional Guidelines protocols, the associated samples were qualified as shown below.

- Total aluminum, antimony, arsenic, barium, calcium, copper, magnesium, manganese, nickel, potassium, silver, sodium, and zinc were detected in the 86298 method blank at 8.74, 0.281, 0.106, 0.672, 312, 0.826, 46.9, 0.501, 0.101, 12.6, 0.022, 64.4, and 18.7 µg/L, respectively. Per Functional Guidelines protocols, the associated samples were qualified as shown below.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-27I	Total antimony	U	Result less than 5 times the MB level
MW-27I	Total zinc	U	Result less than 5 times the MB level
MW-26S	Total antimony	U	Result less than 5 times the MB level
MW-26S	Total zinc	U	Result less than 5 times the MB level
MW-25S	Total antimony	U	Result less than 5 times the MB level
MW-25S	Total zinc	U	Result less than 5 times the MB level
MW-10I	Total antimony	U	Result less than 5 times the MB level
MW-10I	Total zinc	U	Result less than 5 times the MB level
MW-30	Total antimony	U	Result less than 5 times the MB level
Duplicate 1	Total antimony	U	Result less than 5 times the MB level
MW-18S	Total antimony	U	Result less than 5 times the MB level
MW-18I	Total antimony	U	Result less than 5 times the MB level
MW-18I	Total zinc	U	Result less than 5 times the MB level
MW-22I	Total antimony	U	Result less than 5 times the MB level
MW-22I	Total zinc	U	Result less than 5 times the MB level
Field Equip Blank 1	Total antimony	U	Result less than 5 times the MB level
Field Equip Blank 1	Total arsenic	U	Result less than 5 times the MB level
MW-13I NEW	Total antimony	U	Result less than 5 times the MB level
MW-13I NEW	Total silver	U	Result less than 5 times the MB level
MW-13I NEW	Total zinc	U	Result less than 5 times the MB level
MW-14I NEW	Total antimony	U	Result less than 5 times the MB level
MW-14I NEW	Total silver	U	Result less than 5 times the MB level
MW-14I NEW	Total zinc	U	Result less than 5 times the MB level
MW-7I	Total antimony	U	Result less than 5 times the MB level
MW-7I	Total silver	U	Result less than 5 times the MB level
MW-7I	Total zinc	U	Result less than 5 times the MB level
MW-03I	Total antimony	U	Result less than 5 times the MB level
MW-03I	Total copper	U	Result less than 5 times the MB level
MW-03I	Total silver	U	Result less than 5 times the MB level
MW-03I	Total zinc	U	Result less than 5 times the MB level
MW-01I	Total antimony	U	Result less than 5 times the MB level
MW-01I	Total antimony	U	Result less than 5 times the MB level
MW-01I	Total zinc	U	Result less than 5 times the MB level
MW-01S	Total silver	U	Result less than 5 times the MB level
MW-01S	Total zinc	U	Result less than 5 times the MB level
Equipment Blank 2	Total antimony	U	Result less than 5 times the MB level
Equipment Blank 2	Total arsenic	U	Result less than 5 times the MB level
Equipment Blank 2	Total copper	U	Result less than 5 times the MB level
Equipment Blank 2	Total manganese	U	Result less than 5 times the MB level

Sample ID	Analyte	Qualifier	Quality Control Exceedance
Equipment Blank 2	Total nickel	U	Result less than 5 times the MB level
Equipment Blank 2	Total potassium	U	Result less than 5 times the MB level
Equipment Blank 2	Total sodium	U	Result less than 5 times the MB level
Equipment Blank 2	Total zinc	U	Result less than 5 times the MB level
MW-11S	Total silver	U	Result less than 5 times the MB level
MW-11S	Total zinc	U	Result less than 5 times the MB level
MW-11I	Total antimony	U	Result less than 5 times the MB level
MW-11I	Total copper	U	Result less than 5 times the MB level
MW-11I	Total zinc	U	Result less than 5 times the MB level
MW-21S	Total antimony	U	Result less than 5 times the MB level
MW-21S	Total silver	U	Result less than 5 times the MB level
MW-21S	Total zinc	U	Result less than 5 times the MB level
MW-29	Total antimony	U	Result less than 5 times the MB level
MW-29	Total antimony	U	Result less than 5 times the MB level
Field Duplicate #3	Total antimony	U	Result less than 5 times the MB level
Field Duplicate #3	Total zinc	U	Result less than 5 times the MB level
MW-31I	Total antimony	U	Result less than 5 times the MB level
MW-31I	Total silver	U	Result less than 5 times the MB level
MW-31I	Total zinc	U	Result less than 5 times the MB level
Equipment Blank 3	Total antimony	U	Result less than 5 times the MB level
Equipment Blank 3	Total arsenic	U	Result less than 5 times the MB level
Equipment Blank 3	Total calcium	U	Result less than 5 times the MB level
Equipment Blank 3	Total copper	U	Result less than 5 times the MB level
Equipment Blank 3	Total manganese	U	Result less than 5 times the MB level
Equipment Blank 3	Total potassium	U	Result less than 5 times the MB level
Equipment Blank 3	Total sodium	U	Result less than 5 times the MB level
Equipment Blank 3	Total zinc	U	Result less than 5 times the MB level
MW-23S	Total antimony	U	Result less than 5 times the MB level
MW-23S	Total silver	U	Result less than 5 times the MB level
Field Duplicate 4	Total antimony	U	Result less than 5 times the MB level

2.4.2.2 Field Blanks

Three field blanks were collected with the samples. Low levels of target metals were detected above the MDLs in the field blanks.

- Total beryllium, cobalt, chromium, nickel, and thallium were detected in Field Equip Blank 1 at 0.036, 0.035, 0.23, 0.16, and 0.60 µg/L, respectively. Per Functional Guidelines protocols, the associated samples were qualified as shown below and in Table 3.
- Total beryllium and lead were detected in Equipment Blank 2 at 0.056 and 0.15 µg/L, respectively. Per Functional Guidelines protocols, the associated samples were qualified as shown below.
- Total beryllium, cobalt, chromium, nickel, and lead were detected in Equipment Blank 3 at 0.049, 0.19, 3.7, 9.0, and 0.14 µg/L, respectively.

Per Functional Guidelines protocols, the associated samples were qualified as shown below.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-18S	Total beryllium	U	Result less than 5 times the field blank level
MW-18S	Total thallium	U	Result less than 5 times the field blank level
MW-22I	Total beryllium	U	Result less than 5 times the field blank level
MW-22I	Total thallium	U	Result less than 5 times the field blank level
MW-13I	Total nickel	U	Result less than 5 times the field blank level
MW-14I	Total nickel	U	Result less than 5 times the field blank level
MW-7I	Total beryllium	U	Result less than 5 times the field blank level
MW-7I	Total lead	U	Result less than 5 times the field blank level
MW-7I	Total cobalt	U	Result less than 5 times the field blank level
MW-7I	Total chromium	U	Result less than 5 times the field blank level
MW-7I	Total nickel	U	Result less than 5 times the field blank level
MW-03I	Total beryllium	U	Result less than 5 times the field blank level
MW-03I	Total lead	U	Result less than 5 times the field blank level
MW-03I	Total cobalt	U	Result less than 5 times the field blank level
MW-03I	Total nickel	U	Result less than 5 times the field blank level
MW-01I	Total beryllium	U	Result less than 5 times the field blank level
MW-01I	Total lead	U	Result less than 5 times the field blank level
MW-01I	Total chromium	U	Result less than 5 times the field blank level
MW-01I	Total nickel	U	Result less than 5 times the field blank level
MW-01S	Total beryllium	U	Result less than 5 times the field blank level
MW-01S	Total nickel	U	Result less than 5 times the field blank level
MW-11I	Total beryllium	U	Result less than 5 times the field blank level
MW-11I	Total lead	U	Result less than 5 times the field blank level
MW-11I	Total cobalt	U	Result less than 5 times the field blank level
MW-11I	Total chromium	U	Result less than 5 times the field blank level
MW-11I	Total nickel	U	Result less than 5 times the field blank level
MW-21S	Total beryllium	U	Result less than 5 times the field blank level
MW-21S	Total lead	U	Result less than 5 times the field blank level
MW-21S	Total chromium	U	Result less than 5 times the field blank level
Field Duplicate #3	Total beryllium	U	Result less than 5 times the field blank level
Field Duplicate #3	Total lead	U	Result less than 5 times the field blank level
Field Duplicate #3	Total chromium	U	Result less than 5 times the field blank level

2.4.3 Laboratory Control Sample Analyses – Acceptable

LCS analyses were performed at the required frequency of one per digestion batch. The recovery values are within the laboratory control limits.

2.4.4 Laboratory Duplicate Sample Analysis – Acceptable

The laboratory analyzed MS/MSDs to satisfy the duplicate requirement of the methods. The RPD values are within the laboratory control limits.

2.4.5 Spiked Sample Analyses – Acceptable with Discussion

MS/MSD analyses were performed at the project required frequency of one per 20 field samples. The recovery values are within the laboratory control limits, except as noted below.

- The total calcium, chromium, and sodium MS recovery value is below criteria at 39, 73, and 71 percent in the spiked analysis of sample MW-18I. Data qualifiers are not required because the MSD recovery values are acceptable.

2.4.6 Laboratory Reporting Limits – Acceptable

The MDLs are less than the MCLs and secondary MCLs.

2.4.7 Field Duplicates – Acceptable with Qualification

Three field duplicates were collected with the samples. Sample Field Dup 1 is a field duplicate of sample MW-23S, sample Field Dup 2 is a field duplicate of sample MW-17 NEW, and sample Field Dup 3 is a field duplicate of sample MW-21S. RPD values less than or equal to 30 are considered acceptable precision for water samples. With the exceptions noted below, field duplicate precision is acceptable as shown in Table 2.

- The RPD value of total aluminum for field duplicate pair MW-21S/Field Duplicate #3 is above criteria at 33. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J) as shown below.
- The RPD values of total aluminum, beryllium, chromium, lead, nickel and selenium for field duplicate pair MW-23S/Field Duplicate 4 are above criteria at 40, 43, 47, 34, 47, and 39, respectively. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J).

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-21S	Total aluminum	J	Field duplicate RPD greater than 30
Field Duplicate #3	Total aluminum	J	Field duplicate RPD greater than 30
MW-23S	Total aluminum	J	Field duplicate RPD greater than 30
MW-23S	Total beryllium	J	Field duplicate RPD greater than 30
MW-23S	Total chromium	J	Field duplicate RPD greater than 30
MW-23S	Total lead	J	Field duplicate RPD greater than 30
MW-23S	Total nickel	J	Field duplicate RPD greater than 30
MW-23S	Total selenium	J	Field duplicate RPD greater than 30
Field Duplicate 4	Total aluminum	J	Field duplicate RPD greater than 30
Field Duplicate 4	Total beryllium	J	Field duplicate RPD greater than 30
Field Duplicate 4	Total chromium	J	Field duplicate RPD greater than 30
Field Duplicate 4	Total lead	J	Field duplicate RPD greater than 30
Field Duplicate 4	Total nickel	J	Field duplicate RPD greater than 30
Field Duplicate 4	Total selenium	J	Field duplicate RPD greater than 30

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2.4.8 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data are acceptable. The data qualifier flags modify the usefulness of the individual values.

2.5 Inorganic Constituents and Total Cyanide Analyses

2.5.1 Holding Times – Acceptable with Qualification

Except as noted below, the samples were analyzed within the method-required holding times of 15 minutes for ferrous iron, seven days for sulfide, 14 days for cyanide, and 28 days for ammonia, chloride, sulfate, and nitrate plus nitrite.

- Samples for ferrous iron were analyzed past the holding time of 15 minutes after collection. The ferrous iron results of all samples are qualified as estimated (J) or estimated detection limit (UJ).

Sample ID	Analyte	Qualifier	Quality Control Exceedance
All samples	Ferrous iron	J positive results UJ detection limits	Analysis hold time exceeded

2.5.2 Blank Analyses – Acceptable with Qualification

2.5.2.1 Method Blanks

Method blanks were analyzed at the required frequency of one per analytical batch. With one exception, target constituents were not detected in the method blanks.

- Ammonia was detected in the method blank analyzed May 22, 2013 at 0.0549 mg/L. Data qualifiers are not required because the ammonia concentrations in the associated samples are greater than five times the method blank concentration,

2.5.2.2 Field Blanks

Three equipment blanks were collected with the samples. With the exceptions noted below, target constituents were not detected above the MDLs in the field blanks.

- Ammonia was detected in Equipment Blank 2 at 0.056 mg/L. Per Functional Guidelines protocols, associated samples results less than five times the field blank concentration are qualified as undetected (U) at the reported value. The qualified results are listed below and in Table 3.
- Ammonia and ferrous iron were detected in Equipment Blank 3 at 0.061 and 0.023 mg/L, respectively. Per Functional Guidelines protocols, the associated samples were qualified as shown below.

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-7I	Ferrous iron	U	Result less than 5 times the field blank level
MW-03I	Ferrous iron	U	Result less than 5 times the field blank level
MW-11S	Ferrous iron	U	Result less than 5 times the field blank level
MW-11S	Ammonia	U	Result less than 5 times the field blank level
MW-31	Ammonia	U	Result less than 5 times the field blank level

2.5.3 Laboratory Control Sample Analyses – Acceptable

LCSs were analyzed at the required frequency of one per batch. The recovery values are within the laboratory control limits.

2.5.4 Laboratory Duplicate Sample Analysis – Acceptable

The laboratory analyzed MS/MSDs to satisfy the duplicate requirement of the methods. The RPD values are within the laboratory control limits.

2.5.5 Spiked Sample Analyses – Acceptable

MS/MSD analyses were performed at the required frequency. The recovery values are within the laboratory control limits.

2.5.6 Laboratory Reporting Limits – Acceptable

The MDLs are less than the MCLs and secondary MCLs.

2.5.7 Field Duplicates – Acceptable with Qualification

Three field duplicates were collected with the samples. RPD values less than or equal to 30 are considered acceptable precision for water samples. With three exceptions, field duplicate precision is acceptable as shown in Table 2.

- The RPD value of ferrous iron for field duplicate pair MW-21S/Field Duplicate #3 is above criteria at 48. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J) as shown below.
- The ammonia and ferrous iron RPD values for field duplicate pair MW-23S/Field Duplicate 4 are above criteria at 35 and 152, respectively. Results associated with a field duplicate RPD value above criteria are qualified as estimated (J).

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-21S	Ferrous iron	J	Field duplicate RPD greater than 30
Field Duplicate #3	Ferrous iron	J	Field duplicate RPD greater than 30
MW-23S	Ammonia	J	Field duplicate RPD greater than 30
Field Duplicate 4	Ammonia	J	Field duplicate RPD greater than 30
MW-23S	Ferrous iron	J	Field duplicate RPD greater than 30

Sample ID	Analyte	Qualifier	Quality Control Exceedance
Field Duplicate 4	Ferrous iron	J	Field duplicate RPD greater than 30

2.5.8 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here, the data are acceptable. The data qualifier flags modify the usefulness of the individual values.

3.0 Data Qualifier Definitions

3.1 Organic Data Qualifiers

The following data validation qualifiers were used in the review of this data set. These qualifiers are from the *Contract Laboratory Program National Functional Guidelines for Organic Data Review.*

U The analyte was analyzed for but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the samples and meet quality control criteria. The presence or absence of the analyte cannot be verified.

3.2 Inorganic Data Qualifiers

The following data validation qualifiers were used in the review of this data set. These qualifiers are from the Contract Laboratory Program National Functional Guidelines for Inorganic Data Review.

U The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J The associated value is an estimated quantity.

UJ The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

R The data are unusable. (Note: Analyte may or may not be present.)

4.0 References

APHA. 1998. Standard Methods for the Examination of Water and Wastewater, 20th Edition. American Public Health Association. 1998.

USEPA. 1994. Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. United States Environmental Protection Agency. Office of Solid Waste and Emergence Response. February 1994.

USEPA. 1996. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) Third Edition, Updates I, II, IIA, IIB, and III. United States Environmental Protection Agency. Office of Solid Waste. December 1996.

USEPA. 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review. U.S. Environmental Protection Agency Office of Emergency and Remedial Response. EPA540/R-99/008. October 1999.

USEPA. 1999a. Methods and Guidance for Analysis of Water, Version 2.0. United States Environmental Protection Agency Office of Science and Technology. EPA 821-C-99-004. CD ROM. June 1999.

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Table 1—Sample Data Reviewed

Sample ID	Laboratory ID	VOCs[a]	SVOCs[b]	Metals[c]	MNA Parameters[d]	CN[e]
MW-27	240-24200-1	X	X	X	X	X
MW-26S	240-24200-2	X	X	X	X	X
Trip Blank 1	240-24200-3	X				
MW-25S	240-24200-4	X	X	X	X	X
MW-10I	240-24200-5	X	X	X	X	X
Trip Blank 2	240-24200-6	X				
MW-12I	240-24200-7	X	X	X	X	X
MW-30	240-24200-8	X	X	X	X	X
Trip Blank 4	240-24200-9	X	X	X	X	X
Duplicate 1	240-24200-10	X	X	X	X	X
Trip Blank 3	240-24200-11	X				
MW-17 NEW	240-24325-1	X	X	X	X	X
MW-16 NEW	240-24325-2	X	X	X	X	X
Trip Blank 8	240-24325-3	X				
MW-18S	240-24251-1	X	X	X	X	X
MW-18I	240-24251-2	X	X	X	X	X
Trip Blank 6	240-24251-3	X				
MW-22I	240-24251-4	X	X	X	X	X
Field Equip Blank 1	240-24251-5	X	X	X	X	X
Trip Blank 7	240-24251-6	X				
Trip Blank 5	240-24251-7	X				
MW-13i NEW	240-24386-1	X	X	X	X	X
MW-14i NEW	240-24386-2	X	X	X	X	X
TRIP BLANK 9	240-24386-3	X				
MW-7i	240-24386-4	X	X	X	X	X
MW-03i	240-24386-5	X	X	X	X	X
TRIP BLANK 11	240-24386-6	X				
MW-01i	240-24386-7	X	X	X	X	X
MW-01s	240-24386-8	X	X	X	X	X
TRIP BLANK 13	240-24386-9	X				
EQUIPMENT BLANK 2	240-24386-10	X	X	X	X	X
TRIP BLANK 12	240-24386-11	X	X	X	X	X
MW-11s	240-24386-12	X	X	X	X	X
MW-11i	240-24386-13	X	X	X	X	X
TRIP BLANK 14	240-24386-14	X				
MW-21s	240-24386-15	X	X	X	X	X
MW-29	240-24386-16	X	X	X	X	X
TRIP BLANK 15	240-24386-17	X				
FIELD DUPLICATE #3	240-24386-18	X	X	X	X	X
MW-31	240-24386-19	X	X	X	X	X
TRIP BLANK 16	240-24386-20	X				
TRIP BLANK 17	240-24386-21	X				
EQUIPMENT BLANK 3	240-24386-22	X	X	X	X	X
TRIP BLANK 18	240-24386-23	X				
MW-23S	240-24471-1	X	X	X	X	X
Field Duplicate 4	240-24471-2	X	X	X	X	X
Test Blank 19	240-24471-3	X				

[a] Volatile organic compounds by Method 8260B (USEPA 1996)
[b] Semivolatile organic compounds by Method 8270C (USEPA 1996)
[c] Total metals: aluminum, antimony, arsenic, barium, beryllium, calcium, cadmium, cobalt, chromium, copper, iron, magnesium, potassium, manganese, nickel, lead, selenium, thallium, zinc, silver, and sodium by Method 6020 (USEPA 1996) and total mercury by Method 7470A (USEPA 1996)
[d] Monitored natural attenuation (MNA) parameters ammonia by Method 350.3 (USEPA 1999a), chloride and sulfate by Method 300.0 (USEPA 1999a), nitrate plus nitrite by Method 353.2 (USEPA 1999a), sulfide by Method 376.1 (USEPA 1999a), and ferrous iron by Method 3500Fe D (APHA 1998)
[e] Total cyanide by Method 9012A (USEPA 1996)

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Table 2—Field Duplicate Precision

Analyte	MW-30 Sample Value[a]	Duplicate 1 Duplicate Value[a]	RPD[b]
Ferrous Iron	0.053	0.043	20.83
Chloride	98	100	2.02
Sulfate	91	93	2.17
Ammonia (as N)	0.16	0.13	20.69
Nitrate Nitrite as N	0.17	0.16	6.06
Aluminum	28000	29000	3.51
Antimony	0.88	0.91	3.35
Arsenic	29	31	6.67
Barium	250	250	0.00
Beryllium	1.5	1.6	6.45
Cadmium	0.39	0.38	2.60
Calcium	120,000	110,000	8.70
Chromium	62	65	4.72
Cobalt	19	21	10.00
Copper	71	78	9.40
Iron	50000	54000	7.69
Lead	32	33	3.08
Magnesium	31000	31000	0.00
Manganese	1100	1100	0.00
Nickel	53	56	5.50
Potassium	11000	11000	0.00
Selenium	3.8	4	5.13
Silver	0.093	0.096	3.17
Sodium	50000	49000	2.02
Zinc	180	190	5.41
Carbon disulfide	0.24	<1.0	NC
2-Methylnaphthalene	0.29	0.72	**85**
Bis(2-ethylhexyl)phthalate	<1.90	0.90	NC
Dibenzofuran	<0.95	0.15	NC
Naphthalene	0.15	0.37	**84**
Phenanthrene	0.11	0.25	**77**

Table 2—Field Duplicate Precision Continued

Analyte	MW-21S Sample Value[a]	Field Duplicate #3 Duplicate Value[a]	RPD[b]
Ferrous Iron	2.6	1.6	**48**
Chloride	160	160	0.00
Sulfate	33	34	2.99
Ammonia (as N)	12	12	0.00
Nitrate Nitrite as N	0.034	<0.10	NC
Sulfide	1.2	<1.0	NC
Aluminum	120	86	**33**
Arsenic	4.7	4.7	0.00
Barium	270	280	3.64
Calcium	120000	130000	8.00
Cobalt	2.2	2.2	0.00
Copper	12	14	15.38
Iron	8200	8200	0.00
Magnesium	60000	62000	3.28
Manganese	560	560	0.00
Nickel	58	60	3.39
Potassium	25000	26000	3.92
Sodium	120000	120000	0.00
1,1-Dichloroethane	1	1.4	**33**
1,2-Dichloroethane	6.3	8.7	**32**
1,4-Dioxane	1700	8300	**132**
2-Methyl-2-propanol	43	70	**48**
Benzene	1.5	2	28.57
Chloroethane	17	22	25.64
cis-1,2-Dichloroethene	15	20	28.57
cis-1,4-Dichloro-2-butene	0.9	ND	NC
Ethyl ether	24	33	**32**
Isopropyl alcohol	13	21	**47**
Methyl tert-butyl ether	0.25	0.37	**39**
Tetrahydrofuran	58	84	**37**
trans-1,2-Dichloroethene	0.28	0.33	16.39
Trichloroethene	0.61	0.79	25.71
Vinyl chloride	2.2	2.8	24.00

Table 2—Field Duplicate Precision Continued

Analyte	MW-23S Sample Value[a]	Field Duplicate 4 Duplicate Value[a]	RPD[b]
Cyanide, Total	0.0032	<0.010	NC
Ferrous Iron	0.82	0.11	**152**
Chloride	9.3	7	28.22
Sulfate	21	16	27.03
Ammonia (as N)	0.61	0.43	**35**
Nitrate Nitrite as N	0.092	0.078	16.47
Aluminum	6600	4400	**40**
Arsenic	11	8.4	26.80
Barium	230	210	9.09
Beryllium	0.42	0.27	**43**
Cadmium	0.28	0.27	3.64
Calcium	110000	95000	14.63
Chromium	470	760	**47**
Cobalt	12	11	8.70
Copper	41	51	21.74
Iron	28000	22000	24.00
Lead	17	12	**34**
Magnesium	28000	28000	0.00
Manganese	640	520	20.69
Nickel	240	390	**47**
Potassium	4300	4000	7.23
Selenium	0.97	0.65	**39**
Silver	<1.0	0.11	NC
Sodium	6500	7000	7.41
Zinc	120	92	26.42
1,1-Dichloroethane	1.3	1.3	0.00
cis-1,2-Dichloroethene	2.7	2.7	0.00
Ethyl ether	0.27	0.34	22.95
Trichloroethene	0.42	0.42	0.00
2-Methylcyclohexanone	1.2	0.96	22.22
3-Methylcyclohexanone	2.9	2.9	0.00
Acrylamide	3.2	3.2	0.00
Bis(2-ethylhexyl) phthalate	1.0	1.6	**46**
Di-n-butyl phthalate	0.69	<1.9	NC
Phenol	1.6	1.4	13.33

[a] Organic results are in µg/L, metals and general chemistry parameter results are in mg/L
[b] Relative percent difference
< – Analyte not detected above the associated MDL
ND – Not calculable
Bold values exceed criteria

Table 3—Summary of Qualified Data

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-12I	Methylene chloride	U at RL	Result <RL & <10X the MB level
MW-21S	Unknown VOC TIC at 12.10 min	U	Detected in Method blank
Field Duplicate 3	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank
Field Duplicate 3	Unknown VOC TIC at 12.05 min	U	Detected in Method blank
Equipment Blank 3	Unknown VOC TIC at 12.10 min	U	Detected in Method blank
MW-23S	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank
Field Duplicate 4	TIC Octamethylcyclotetrasiloxane	U	Detected in Method blank
Test Blank 19	Unknown TIC at 10.57 min.	U	Detected in Method blank
MW-16 NEW	Toluene	U at RL	Result < RL & < 5X the TB level
MW-11S	Unknown VOC TIC at 6.43 min.	U	Detected in Equipment Blank
MW-21S	TIC Trimethylcyclosiloxanol	U	Detected in Equipment Blank
MW-21S	TIC Hexamethylcyclotrisiloxane	U	Detected in Equipment Blank
MW-29	TIC Unknown TIC at 6.34 min.	U	Detected in Equipment Blank
Field Duplicate 3	Unknown VOC TIC at 6.33 min.	U	Detected in Equipment Blank
Field Duplicate 3	TIC Hexamethylcyclotrisiloxane	U	Detected in Equipment Blank
Field Duplicate 3	Unknown VOC TIC at 12.10 min.	U	Detected in Equipment Blank
Field Duplicate 3	Unknown VOC TIC at 14.10 min.	U	Detected in Equipment Blank
MW-31	Unknown VOC TIC at 6.33 min.	U	Detected in Equipment Blank
MW-31	Unknown VOC TIC at 14.09 min.	U	Detected in Equipment Blank
MW-13I NEW	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank
MW-13I NEW	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank
MW-13I NEW	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank
MW-01I	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank
MW-01I	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank
MW-01I	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank
MW-01S	Toluene	U at RL	Result < RL & < 5X EB level
MW-01S	Unknown VOC TIC at 10.63 min.	U	Detected in Equipment Blank
MW-01S	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank
MW-01S	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank
MW-01S	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank
MW-11S	TIC Octamethylcyclotetrasiloxane	U	Detected in Equipment Blank
MW-11S	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank
MW-11S	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank
MW-11I	TIC Decamethylcyclopentasiloxane	U	Detected in Equipment Blank
MW-11I	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank
MW-11I	TIC Dodecamethylcyclohexasiloxane	U	Detected in Equipment Blank
MW-21S	TIC Hexamethylcyclotrisiloxane	U	Detected in Equipment Blank
Field Duplicate #3	Positive VOC results	J	Surrogate %R above laboratory limits
MW-18I	Benzene	UJ	MS & MSD %R below laboratory limits
MW-18I	Dibromochloromethane	UJ	MS & MSD %R below laboratory limits
MW-18I	Chlorobenzene	UJ	MS & MSD %R below laboratory limits

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Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-18I	Chloroform	UJ	MS & MSD %R below laboratory limits
MW-18I	1,1-dichloroethane	UJ	MS & MSD %R below laboratory limits
MW-18I	1,2-dichloropropane	UJ	MS & MSD %R below laboratory limits
MW-18I	Ethyl benzene	UJ	MS & MSD %R below laboratory limits
MW-18I	Methylene chloride	UJ	MS & MSD %R below laboratory limits
MW-18I	Styrene	UJ	MS & MSD %R below laboratory limits
MW-18I	Toluene	UJ	MS & MSD %R below laboratory limits
MW-18I	Total xylenes	UJ	MS & MSD %R below laboratory limits
MW-18I	1,1,2-trichloroethane	UJ	MS & MSD %R below laboratory limits
MW-18I	Ethylene dibromide	UJ	MS & MSD %R below laboratory limits
MW-18I	cis-1,2-dichloroethene	UJ	MS & MSD %R below laboratory limits
MW-18I	trans-1,2-dichloroethene	UJ	MS & MSD %R below laboratory limits
MW-18I	Isopropylbenzene	UJ	MS & MSD %R below laboratory limits
MW-18I	1,2-dichlorobenzene	UJ	MS & MSD %R below laboratory limits
MW-18I	1,3-dichlorobenzene	UJ	MS & MSD %R below laboratory limits
MW-18I	1,4-dichlorobenzene	UJ	MS & MSD %R below laboratory limits
All samples	Uncalibrated VOC TICs	NJ	Tentative identification & estimated concentration
Trip Blank 15	Methylene chloride TIC	R	Concentration below MDL
Trip Blank 16	Methylene chloride TIC	R	Concentration below MDL
Trip Blank 17	Methylene chloride TIC	R	Concentration below MDL
MW-21S	1,4-dioxane	J	Result above the calibration range
Field Duplicate #3	1,4-dioxane (VOC)	J	Result above the calibration range
MW-21S	1,1-dichloroethane	J	Field duplicate RPD > 30
MW-21S	1,2-dichloroethane	J	Field duplicate RPD > 30
MW-21S	1,4-dioxane	J	Field duplicate RPD > 30
MW-21S	2-methyl-2-propanol	J	Field duplicate RPD > 30
MW-21S	Ethyl ether	J	Field duplicate RPD > 30
MW-21S	Isopropyl alcohol	J	Field duplicate RPD > 30
MW-21S	Methyl tert butyl ether	J	Field duplicate RPD > 30
MW-21S	Tetrahydrofuran	J	Field duplicate RPD > 30
Field Duplicate #3	1,1-dichloroethane	J	Field duplicate RPD > 30

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Sample ID	Analyte	Qualifier	Quality Control Exceedance
Field Duplicate #3	1,2-dichloroethane	J	Field duplicate RPD > 30
Field Duplicate #3	1,4-dioxane	J	Field duplicate RPD > 30
Field Duplicate #3	2-methyl-2-propanol	J	Field duplicate RPD > 30
Field Duplicate #3	Ethyl ether	J	Field duplicate RPD > 30
Field Duplicate #3	Isopropyl alcohol	J	Field duplicate RPD > 30
Field Duplicate #3	Methyl tert butyl ether	J	Field duplicate RPD > 30
Field Duplicate #3	Tetrahydrofuran	J	Field duplicate RPD > 30
Reanalysis of all samples in reports 240-24251	SVOCs	R	Extraction hold time exceeded, rejected in favor of original analysis
Reanalysis of all samples in reports 240-24325	SVOCs	R	Extraction hold time exceeded, rejected in favor of original analysis
Reanalysis of all samples in reports 240-24471	SVOCs	R	Extraction hold time exceeded, rejected in favor of original analysis
Duplicate 1	Unknown SVOC TIC at 6.52 min	U	TIC found in method blank
Duplicate 1	Unknown SVOC TIC at 6.85 min	U	TIC found in method blank
MW-17 NEW	Unknown SVOC TIC at 8.75 min	U	TIC found in method blank
MW-18S	TIC n-hexadecanoic acid	U	TIC found in method blank
MW-18S	TIC Octadecanoic acid	U	TIC found in method blank
MW-18I	TIC Octadecanoic acid	U	TIC found in method blank
MW-22I	Unknown SVOC TIC at 6.15 min	U	TIC found in method blank
Field Equip Blank 1	Unknown SVOC TIC at 6.15 min	U	TIC found in method blank
Field Equip Blank 1	Unknown SVOC TIC at 15.26 min	U	TIC found in method blank
Field Equip Blank 1	Unknown SVOC TIC at 17.21 min	U	TIC found in method blank
MW-23S	Unknown SVOC TIC at 6.46 min	U	TIC found in method blank
MW-23S	Unknown SVOC TIC at 10.61 min	U	TIC found in method blank
Field Duplicate 4	Unknown SVOC TIC at 6.46 min	U	TIC found in method blank
Field Duplicate 4	TIC Bis(2-methylpropyl) ester 1,2-benzenedicarboxcyclic acid	U	TIC found in method blank
MW-13I NEW	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-14I NEW	Unknown SVOC TIC at 10.90 min.	U	TIC found in equipment blank
MW-7I	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-03I	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-01I	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-01S	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-01S	Unknown SVOC TIC at 13.50 min	U	TIC found in equipment blank
MW-11S	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-11I	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-21S	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-29	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-31	TIC Octadecanoic acid	U	TIC found in equipment blank
MW-12I	Hexachlorocyclopentadiene	R	LCS recovery below 10%
MW-30	Hexachlorocyclopentadiene	R	LCS recovery below 10%
Duplicate 1	Hexachlorocyclopentadiene	R	LCS recovery below 10%
MW-18S	1,1-biphenyl	UJ	LCS %R < laboratory limits
MW-18S	2-chloronaphthalene	UJ	LCS %R < laboratory limits
MW-18S	2-methylnaphhtylene	UJ	LCS %R < laboratory limits

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-18S	4-chlorophenyl phenylether	UJ	LCS %R < laboratory limits
MW-18S	Acenaphthene	UJ	LCS %R < laboratory limits
MW-18S	Acenaphthylene	UJ	LCS %R < laboratory limits
MW-18S	Dibenzofuran	UJ	LCS %R < laboratory limits
MW-18S	Fluorene	UJ	LCS %R < laboratory limits
MW-18S	Phenanthrene	UJ	LCS %R < laboratory limits
MW-18I	1,1-biphenyl	UJ	LCS %R < laboratory limits
MW-18I	2-chloronaphthalene	UJ	LCS %R < laboratory limits
MW-18I	2-methylnaphhtylene	UJ	LCS %R < laboratory limits
MW-18I	4-chlorophenyl phenylether	UJ	LCS %R < laboratory limits
MW-18I	Acenaphthene	UJ	LCS %R < laboratory limits
MW-18I	Acenaphthylene	UJ	LCS %R < laboratory limits
MW-18I	Dibenzofuran	UJ	LCS %R < laboratory limits
MW-18I	Fluorene	UJ	LCS %R < laboratory limits
MW-18I	Phenanthrene	UJ	LCS %R < laboratory limits
MW-17 NEW	Hexachlorocyclopentadiene	UJ	LCS %R <10% & similar re-extraction result
MW-16 NEW	Hexachlorocyclopentadiene	UJ	LCS %R <10% & similar re-extraction result
MW-18S	Hexachlorocyclopentadiene	UJ	LCS %R below 10% & similar re-extraction result
MW-18I	Hexachlorocyclopentadiene	UJ	LCS %R below 10% & similar re-extraction result
MW-22I	Hexachlorocyclopentadiene	UJ	LCS %R below 10% & similar re-extraction result
Field Equip Blank 1	Hexachlorocyclopentadiene	UJ	LCS %R below 10% & similar re-extraction result
MW-23S	Hexachlorocyclopentadiene	UJ	LCS %R below 10% & similar re-extraction result
Field Duplicate 4	Hexachlorocyclopentadiene	UJ	LCS %R below 10% & similar re-extraction result
MW-18I	3,3'-dichlorobenzidine	UJ	MS & MSD %R below 10% & similar re-extraction result
MW-18I	Hexachlorocyclopentadiene	UJ	MS & MSD %R below 10% & similar re-extraction result
All samples	All uncalibrated SVOC TICs	NJ	Tentative identification & estimated concentration
MW-25S	Acrylamide TIC	Unknown TIC	Spectra does not support specific identification
MW-10I	Acrylamide TIC	Unknown TIC	Spectra does not support specific identification
MW-23S	Acrylamide TIC	Unknown	Spectra does not support specific identification
MW-23S	3-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
MW-23S	2-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
Field Duplicate 4	Acrylamide TIC	Unknown TIC	Spectra does not support specific identification

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Sample ID	Analyte	Qualifier	Quality Control Exceedance
Field Duplicate 4	3-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
Field Duplicate 4	2-methylcyclohexanine TIC	Unknown TIC	Spectra does not support specific identification
MW-10I	TIC 1,4-dichlorobenzene-d4	R	Not a TIC (Surrogate compound
MW-26S	TIC 1,4-dichlorobenzene-d4	R	Not a TIC (Surrogate compound
MW-27I	TIC 1,4-dioxane (SVOC)	J	Result above calibration range
MW-26S	TIC 1,4-dioxane (SVOC)	J	Result above calibration range
MW-27I	1,4-dioxane (SVOC)	R	Result above calibration range, rejected in favor of VOC result
MW-26S	1,4-dioxane (SVOC)	R	Result above calibration range, rejected in favor of VOC result
MW-30	2-methylnaphthalene	J	Field duplicate RPD > 30
MW-30	Naphthalene	J	Field duplicate RPD > 30
MW-30	Phenanthrene	J	Field duplicate RPD > 30
Duplicate 1	2-methylnaphthalene	J	Field duplicate RPD > 30
Duplicate 1	Naphthalene	J	Field duplicate RPD > 30
Duplicate 1	Phenanthrene	J	Field duplicate RPD > 30
MW-23S	Bis(2-ethylhexyl)phthalate	J	Field duplicate RPD > 30
Field Duplicate 4	Bis(2-ethylhexyl)phthalate	J	Field duplicate RPD > 30
MW-27I	Total antimony	U	Result < 5X the MB level
MW-27I	Total zinc	U	Result < 5X the MB level
MW-26S	Total antimony	U	Result < 5X the MB level
MW-26S	Total zinc	U	Result < 5X the MB level
MW-25S	Total antimony	U	Result < 5X the MB level
MW-25S	Total zinc	U	Result < 5X the MB level
MW-10I	Total antimony	U	Result < 5X the MB level
MW-10I	Total zinc	U	Result < 5X the MB level
MW-30	Total antimony	U	Result < 5X the MB level
Duplicate 1	Total antimony	U	Result < 5X the MB level
MW-18S	Total antimony	U	Result < 5X the MB level
MW-18I	Total antimony	U	Result < 5X the MB level
MW-18I	Total zinc	U	Result < 5X the MB level
MW-22I	Total antimony	U	Result < 5X the MB level
MW-22I	Total zinc	U	Result < 5X the MB level
Field Equip Blank 1	Total antimony	U	Result < 5X the MB level
Field Equip Blank 1	Total arsenic	U	Result < 5X the MB level
MW-13I NEW	Total antimony	U	Result < 5X the MB level
MW-13I NEW	Total silver	U	Result < 5X the MB level
MW-13I NEW	Total zinc	U	Result < 5X the MB level
MW-14I NEW	Total antimony	U	Result < 5X the MB level
MW-14I NEW	Total silver	U	Result < 5X the MB level
MW-14I NEW	Total zinc	U	Result < 5X the MB level
MW-7I	Total antimony	U	Result < 5X the MB level
MW-7I	Total silver	U	Result < 5X the MB level

Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-7I	Total zinc	U	Result < 5X the MB level
MW-03I	Total antimony	U	Result < 5X the MB level
MW-03I	Total copper	U	Result < 5X the MB level
MW-03I	Total silver	U	Result < 5X the MB level
MW-03I	Total zinc	U	Result < 5X the MB level
MW-01I	Total antimony	U	Result < 5X the MB level
MW-01I	Total antimony	U	Result < 5X the MB level
MW-01I	Total zinc	U	Result < 5X the MB level
MW-01S	Total silver	U	Result < 5X the MB level
MW-01S	Total zinc	U	Result < 5X the MB level
Equipment Blank 2	Total antimony	U	Result < 5X the MB level
Equipment Blank 2	Total arsenic	U	Result < 5X the MB level
Equipment Blank 2	Total copper	U	Result < 5X the MB level
Equipment Blank 2	Total manganese	U	Result < 5X the MB level
Equipment Blank 2	Total nickel	U	Result < 5X the MB level
Equipment Blank 2	Total potassium	U	Result < 5X the MB level
Equipment Blank 2	Total sodium	U	Result < 5X the MB level
Equipment Blank 2	Total zinc	U	Result < 5X the MB level
MW-11S	Total silver	U	Result < 5X the MB level
MW-11S	Total zinc	U	Result < 5X the MB level
MW-11I	Total antimony	U	Result < 5X the MB level
MW-11I	Total copper	U	Result < 5X the MB level
MW-11I	Total zinc	U	Result < 5X the MB level
MW-21S	Total antimony	U	Result < 5X the MB level
MW-21S	Total silver	U	Result < 5X the MB level
MW-21S	Total zinc	U	Result < 5X the MB level
MW-29	Total antimony	U	Result < 5X the MB level
MW-29	Total silver	U	Result < 5X the MB level
Field Duplicate #3	Total antimony	U	Result < 5X the MB level
Field Duplicate #3	Total zinc	U	Result < 5X the MB level
MW-31	Total antimony	U	Result < 5X the MB level
MW-31	Total silver	U	Result < 5X the MB level
MW-31	Total zinc	U	Result < 5X the MB level
Equipment Blank 3	Total antimony	U	Result < 5X the MB level
Equipment Blank 3	Total arsenic	U	Result < 5X the MB level
Equipment Blank 3	Total calcium	U	Result < 5X the MB level
Equipment Blank 3	Total copper	U	Result < 5X the MB level
Equipment Blank 3	Total manganese	U	Result < 5X the MB level
Equipment Blank 3	Total potassium	U	Result < 5X the MB level
Equipment Blank 3	Total sodium	U	Result < 5X the MB level
Equipment Blank 3	Total zinc	U	Result < 5X the MB level
MW-23S	Total antimony	U	Result < 5X the MB level
MW-23S	Total silver	U	Result < 5X the MB level
Field Duplicate 4	Total antimony	U	Result < 5X the MB level
MW-18S	Total beryllium	U	Result < 5X the EB level
MW-18S	Total thallium	U	Result < 5X the EB level
MW-22I	Total beryllium	U	Result < 5X the EB level
MW-22I	Total thallium	U	Result < 5X the EB level
MW-13I	Total nickel	U	Result < 5X the EB level

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Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-14I	Total nickel	U	Result < 5X the EB level
MW-7I	Total beryllium	U	Result < 5X the EB level
MW-7I	Total lead	U	Result < 5X the EB level
MW-7I	Total cobalt	U	Result < 5X the EB level
MW-7I	Total chromium	U	Result < 5X the EB level
MW-7I	Total nickel	U	Result < 5X the EB level
MW-03I	Total beryllium	U	Result < 5X the EB level
MW-03I	Total lead	U	Result < 5X the EB level
MW-03I	Total cobalt	U	Result < 5X the EB level
MW-03I	Total nickel	U	Result < 5X the EB level
MW-01I	Total beryllium	U	Result < 5X the EB level
MW-01I	Total lead	U	Result < 5X the EB level
MW-01I	Total chromium	U	Result < 5X the EB level
MW-01I	Total nickel	U	Result < 5X the EB level
MW-01S	Total beryllium	U	Result < 5X the EB level
MW-01S	Total nickel	U	Result < 5X the EB level
MW-11I	Total beryllium	U	Result < 5X the EB level
MW-11I	Total lead	U	Result < 5X the EB level
MW-11I	Total cobalt	U	Result < 5X the EB level
MW-11I	Total chromium	U	Result < 5X the EB level
MW-11I	Total nickel	U	Result < 5X the EB level
MW-21S	Total beryllium	U	Result < 5X the EB level
MW-21S	Total lead	U	Result < 5X the EB level
MW-21S	Total chromium	U	Result < 5X the EB level
Field Duplicate #3	Total beryllium	U	Result < 5X the EB level
Field Duplicate #3	Total lead	U	Result < 5X the EB level
Field Duplicate #3	Total chromium	U	Result < 5X the EB level
MW-21S	Total aluminum	J	Field duplicate RPD > 30
Field Duplicate #3	Total aluminum	J	Field duplicate RPD > 30
MW-23S	Total aluminum	J	Field duplicate RPD > 30
MW-23S	Total beryllium	J	Field duplicate RPD > 30
MW-23S	Total chromium	J	Field duplicate RPD > 30
MW-23S	Total lead	J	Field duplicate RPD > 30
MW-23S	Total nickel	J	Field duplicate RPD > 30
MW-23S	Total selenium	J	Field duplicate RPD > 30
Field Duplicate 4	Total aluminum	J	Field duplicate RPD > 30
Field Duplicate 4	Total beryllium	J	Field duplicate RPD > 30
Field Duplicate 4	Total chromium	J	Field duplicate RPD > 30
Field Duplicate 4	Total lead	J	Field duplicate RPD > 30
Field Duplicate 4	Total nickel	J	Field duplicate RPD > 30
Field Duplicate 4	Total selenium	J	Field duplicate RPD > 30
All samples	Ferrous iron	J positive results UJ detection limits	Analysis hold time exceeded
MW-7I	Ferrous iron	U	Result < 5X the EB level
MW-03I	Ferrous iron	U	Result < 5X the EB level
MW-11S	Ferrous iron	U	Result < 5X the EB level
MW-11S	Ammonia	U	Result < 5X the EB level

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Sample ID	Analyte	Qualifier	Quality Control Exceedance
MW-31	Ammonia	U	Result < 5X the EB level
MW-21S	Ferrous iron	J	Field duplicate RPD > 30
Field Duplicate #3	Ferrous iron	J	Field duplicate RPD > 30
MW-23S	Ammonia	J	Field duplicate RPD > 30
Field Duplicate 4	Ammonia	J	Field duplicate RPD > 30
MW-23S	Ferrous iron	J	Field duplicate RPD > 30
Field Duplicate 4	Ferrous iron	J	Field duplicate RPD > 30

RL – Reporting limit
%R – Percent recovery
MB – Method blank
EB – Equipment blank
TB – Trip blank

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TestAmerica

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ANALYTICAL REPORT

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TestAmerica Job ID: 240-24200-1
Client Project/Site: IEL Landfill

For:
EarthCon Consultants Inc
129 Monohon Landing Road
Raymond, Washington 98577

Attn: Kathy Gunderson

Authorized for release by:
5/28/2013 11:11:49 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-24200-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: EarthCon Consultants Inc

Project: IEL Landfill

Report Number: 240-24200-1

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

The 353.2 Nitrate Nitrite as N analysis was performed at the TestAmerica Pittsburgh Laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/09/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.3, 4.7, 5.3 and 5.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), TRIP BLANK 1(TB1) (240-24200-3), MW-25S (240-24200-4), MW-10I (240-24200-5), TRIP BLANK 2(TB2) (240-24200-6), MW-12I (240-24200-7), MW-30 (240-24200-8), TRIP BLANK 4(TB4) (240-24200-9), DUPLICATE 1 (240-24200-10) and TRIP BLANK 3(TB3) (240-24200-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/21/2013.

1,2,4-Trichlorobenzene and Methylene Chloride were detected in method blank MB 240-86639/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Methylene Chloride was detected in method blank MB 240-86761/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Job ID: 240-24200-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Sample MW-12I (240-24200-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-12I (240-24200-7). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/15/2013 and 05/16/2013 and analyzed on 05/18/2013 and 05/22/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for MW-12I (240-24200-7).

Hexachlorocyclopentadiene failed the recovery criteria low for LCS 240-86125/22-A.

Method(s) 8270C: The laboratory control sample for batch 86125 recovered outside control limits for the following analyte: Hexachlorocyclopentadiene. This has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: MW-12I (240-24200-7). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 05/10/2013 and analyzed on 05/13/2013 and 05/14/2013.

Several analytes were detected in method blank MB 240-85431/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Samples MW-12I (240-24200-7)[10X], MW-30 (240-24200-8)[5X] and DUPLICATE 1 (240-24200-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 6020: The reporting limit (RL) provided for the following analyte(s) Thallium falls below the laboratory's verified standard quantitation limit: DUPLICATE 1 (240-24200-10), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-25S (240-24200-4), MW-26S (240-24200-2), MW-27I (240-24200-1), MW-30 (240-24200-8). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client’s discretion. The continuing calibration blanks and method blanks may not support the lower RL.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

Job ID: 240-24200-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL MERCURY

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 05/10/2013 and analyzed on 05/15/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 05/17/2013 and 05/20/2013.

Sulfate failed the recovery criteria low for the MS of sample 240-24138-3 in batch 240-86393.

Refer to the QC report for details.

Samples MW-27I (240-24200-1)[5X], MW-26S (240-24200-2)[5X], MW-12I (240-24200-7)[10X], MW-30 (240-24200-8)[5X] and DUPLICATE 1 (240-24200-10)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 05/16/2013.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

FERROUS IRON

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for ferrous iron in accordance with SM 3500 F+2 D. The samples were analyzed on 05/10/2013.

No difficulties were encountered during the ferrous iron analyses.

All quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 05/21/2013.

No difficulties were encountered during the nitrate-nitrite analyses.

All quality control parameters were within the acceptance limits.

SULFIDE

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30

Job ID: 240-24200-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 05/15/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-27I (240-24200-1), MW-26S (240-24200-2), MW-25S (240-24200-4), MW-10I (240-24200-5), MW-12I (240-24200-7), MW-30 (240-24200-8) and DUPLICATE 1 (240-24200-10) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 05/14/2013.

Sample MW-12I (240-24200-7)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.3	Nitrogen, Ammonia	MCAWW	TAL CAN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL PIT
376.1	Sulfide	MCAWW	TAL CAN
9012A	Cyanide, Total and/or Amenable	SW846	TAL CAN
SM 3500 FE D	Iron, Ferrous	SM	TAL CAN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-24200-1	MW-27I	Water	05/09/13 00:00	05/09/13 16:45
240-24200-2	MW-26S	Water	05/09/13 00:00	05/09/13 16:45
240-24200-3	TRIP BLANK 1(TB1)	Water	05/09/13 00:00	05/09/13 16:45
240-24200-4	MW-25S	Water	05/09/13 00:00	05/09/13 16:45
240-24200-5	MW-10I	Water	05/09/13 00:00	05/09/13 16:45
240-24200-6	TRIP BLANK 2(TB2)	Water	05/09/13 00:00	05/09/13 16:45
240-24200-7	MW-12I	Water	05/09/13 00:00	05/09/13 16:45
240-24200-8	MW-30	Water	05/09/13 00:00	05/09/13 16:45
240-24200-9	TRIP BLANK 4(TB4)	Water	05/09/13 00:00	05/09/13 16:45
240-24200-10	DUPLICATE 1	Water	05/09/13 00:00	05/09/13 16:45
240-24200-11	TRIP BLANK 3(TB3)	Water	05/09/13 00:00	05/09/13 16:45

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-27I — Lab Sample ID: 240-24200-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.7		1.9	0.76	ug/L	1		8270C	Total/NA
Aluminum	560		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.25	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	8.5	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	320	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.067	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	140000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.11	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	1.1		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	280	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	4.3	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	4500	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	33000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	2700	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	140	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	72	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.75	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	24	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.013	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	95000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	200		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	76		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.29		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	0.12	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-26S — Lab Sample ID: 240-24200-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	3900		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.49	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	6.0	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	690	B	1.0	0.32	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-26S (Continued) — Lab Sample ID: 240-24200-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.24	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	140000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.099	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	3.7		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	63	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	9.8	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	12000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	35000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	3500	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	220	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	51	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	5.0		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.47	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	31	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.023	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	130000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	240		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	63		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.52		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	0.18	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 1(TB1) — Lab Sample ID: 240-24200-3

No Detections.

Client Sample ID: MW-25S — Lab Sample ID: 240-24200-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	800		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.29	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	1.5	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	110	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.052	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-25S (Continued) — Lab Sample ID: 240-24200-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.084	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	8.6		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	120	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	19	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	13000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	23000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	2600	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	460	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	650	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	3.5		1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	40	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.014	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	39000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	63		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	70		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.064	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	3.0		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.033	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-10I — Lab Sample ID: 240-24200-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	280		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.20	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	2.2	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	680	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.050	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	0.50	J	1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	12	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	5.1	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	3800	B	100	12	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10I (Continued) — Lab Sample ID: 240-24200-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	28000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	4700	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	230	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	13	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.75	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	7.4	J B	20	2.1	ug/L	1		6020	Total Recoverable
Sodium	48000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	45		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	47		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	2.7		0.20	0.035	mg/L	1		350.3	Total/NA

Client Sample ID: TRIP BLANK 2(TB2) — Lab Sample ID: 240-24200-6

No Detections.

Client Sample ID: MW-12I — Lab Sample ID: 240-24200-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.3	J B	5.0	1.7	ug/L	5		8260B	Total/NA
2-Methylnaphthalene	0.13	J	0.23	0.12	ug/L	1		8270C	Total/NA
Benzaldehyde	0.65	J	1.2	0.45	ug/L	1		8270C	Total/NA
Benzo[a]anthracene	0.49		0.23	0.12	ug/L	1		8270C	Total/NA
Benzo[a]pyrene	0.86		0.23	0.12	ug/L	1		8270C	Total/NA
Benzo[b]fluoranthene	1.9		0.23	0.12	ug/L	1		8270C	Total/NA
Benzo[g,h,i]perylene	1.4		0.23	0.12	ug/L	1		8270C	Total/NA
Benzo[k]fluoranthene	0.68		0.23	0.12	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	19		2.3	0.93	ug/L	1		8270C	Total/NA
Chrysene	1.0		0.23	0.12	ug/L	1		8270C	Total/NA
Fluoranthene	1.7		0.23	0.12	ug/L	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	0.98		0.23	0.12	ug/L	1		8270C	Total/NA
Naphthalene	0.17	J	0.23	0.12	ug/L	1		8270C	Total/NA
Phenanthrene	0.78		0.23	0.12	ug/L	1		8270C	Total/NA
Pyrene	1.7		0.23	0.12	ug/L	1		8270C	Total/NA
Aluminum	40000		500	75	ug/L	10		6020	Total Recoverable
Antimony	5.0	B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	67	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	540	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	1.6		1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	170000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	120		1.0	0.026	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-12I (Continued)

Lab Sample ID: 240-24200-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	27		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	3100	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	300	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	69000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	40000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	7700	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1400	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	700	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	89		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	7.2		5.0	0.34	ug/L	1		6020	Total Recoverable
Thallium	0.61	J	1.0	0.40	ug/L	1		6020	Total Recoverable
Zinc	18000	B	200	21	ug/L	10		6020	Total Recoverable
Silver	1.6		1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	300000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Mercury	0.43		0.20	0.12	ug/L	1		7470A	Total/NA
Chloride	630		10	1.0	mg/L	10		300.0	Total/NA
Sulfate	65		10	1.2	mg/L	10		300.0	Total/NA
Ammonia (as N)	0.21		0.20	0.035	mg/L	1		350.3	Total/NA
Sulfide	10		1.0	0.67	mg/L	1		376.1	Total/NA
Cyanide, Total	0.51		0.25	0.080	mg/L	25		9012A	Total/NA
Ferrous Iron	0.50	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-30

Lab Sample ID: 240-24200-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.24	J	1.0	0.13	ug/L	1		8260B	Total/NA
2-Methylnaphthalene	0.29		0.19	0.095	ug/L	1		8270C	Total/NA
Naphthalene	0.15	J	0.19	0.095	ug/L	1		8270C	Total/NA
Phenanthrene	0.11	J	0.19	0.095	ug/L	1		8270C	Total/NA
Aluminum	28000		250	38	ug/L	5		6020	Total Recoverable
Antimony	0.88	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	29	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	250	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	1.5		1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	120000	B	1000	27	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-30 (Continued) — Lab Sample ID: 240-24200-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.39	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	19		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	62	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	71	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	50000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	31000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	11000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1100	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	53	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	32		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	3.8	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	180	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.093	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	50000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	98		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	91		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.16	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.17		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.053	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 4(TB4) — Lab Sample ID: 240-24200-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.97	J	1.0	0.13	ug/L	1		8260B	Total/NA

Client Sample ID: DUPLICATE 1 — Lab Sample ID: 240-24200-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.72		0.19	0.095	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	0.90	J	1.9	0.76	ug/L	1		8270C	Total/NA
Dibenzofuran	0.15	J	0.95	0.095	ug/L	1		8270C	Total/NA
Naphthalene	0.37		0.19	0.095	ug/L	1		8270C	Total/NA
Phenanthrene	0.25		0.19	0.095	ug/L	1		8270C	Total/NA
Aluminum	29000		250	38	ug/L	5		6020	Total Recoverable
Antimony	0.91	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	31	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	250	B	1.0	0.32	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUPLICATE 1 (Continued)

Lab Sample ID: 240-24200-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	1.6		1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.38	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	21		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	65	B	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	78	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	54000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	31000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	11000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1100	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	56	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	33		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	4.0	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	190	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.096	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	49000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	100		2.0	0.20	mg/L	2		300.0	Total/NA
Sulfate	93		2.0	0.24	mg/L	2		300.0	Total/NA
Ammonia (as N)	0.13	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.16		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.043	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 3(TB3)

Lab Sample ID: 240-24200-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-27I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 08:11	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 08:11	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 08:11	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 08:11	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 08:11	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 08:11	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 08:11	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 08:11	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 08:11	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 08:11	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 08:11	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 08:11	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 08:11	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 08:11	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 08:11	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 08:11	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 08:11	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 08:11	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 08:11	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 08:11	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 08:11	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 08:11	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 08:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 08:11	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 08:11	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 08:11	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 08:11	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 08:11	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 08:11	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 08:11	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 08:11	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 08:11	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 08:11	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 08:11	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 08:11	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 08:11	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 08:11	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 08:11	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 08:11	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 08:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 08:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 08:11	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 08:11	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 08:11	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 08:11	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 08:11	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 08:11	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 08:11	1

Client Sample ID: MW-27I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-1
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Methyl-2-propanol	23	J *	ug/L		3.74	75-65-0		05/21/13 08:11	1
Silanol, trimethyl-	1.4	T J N	ug/L		4.68	1066-40-6		05/21/13 08:11	1
1,4-Dioxane	270		ug/L		6.39	123-91-1		05/21/13 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		63 - 129		05/21/13 08:11	1
4-Bromofluorobenzene (Surr)	84		66 - 117		05/21/13 08:11	1
Toluene-d8 (Surr)	94		74 - 115		05/21/13 08:11	1
Dibromofluoromethane (Surr)	99		75 - 121		05/21/13 08:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/15/13 09:16	05/22/13 01:31	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/15/13 09:16	05/22/13 01:31	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 01:31	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/15/13 09:16	05/22/13 01:31	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 01:31	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:31	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/15/13 09:16	05/22/13 01:31	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:31	1
Acenaphthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Acetophenone	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 01:31	1
Anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Atrazine	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 01:31	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/15/13 09:16	05/22/13 01:31	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 01:31	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Bis(2-ethylhexyl) phthalate	**2.7**		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1

Client Sample ID: MW-27I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
Caprolactam	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
Carbazole	ND		0.95	0.27	ug/L		05/15/13 09:16	05/22/13 01:31	1
Chrysene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/15/13 09:16	05/22/13 01:31	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/15/13 09:16	05/22/13 01:31	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/15/13 09:16	05/22/13 01:31	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
Fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Fluorene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 01:31	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Isophorone	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 01:31	1
Naphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/15/13 09:16	05/22/13 01:31	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:31	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 01:31	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:31	1
Phenol	ND		0.95	0.57	ug/L		05/15/13 09:16	05/22/13 01:31	1
Phenanthrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
Pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:31	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/15/13 09:16	05/22/13 01:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane	*230*	*E*	*ug/L*		*3.25*	*123-91-1*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Unknown	*17*	*T J*	*ug/L*		*6.25*		*05/15/13 09:16*	*05/22/13 01:31*	*1*
Unknown	*11*	*T J*	*ug/L*		*6.60*		*05/15/13 09:16*	*05/22/13 01:31*	*1*
Unknown	*15*	*T J*	*ug/L*		*6.83*		*05/15/13 09:16*	*05/22/13 01:31*	*1*
N-Formylmorpholine	*5.4*	*T J N*	*ug/L*		*7.13*	*4394-85-8*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Unknown	*12*	*T J*	*ug/L*		*7.39*		*05/15/13 09:16*	*05/22/13 01:31*	*1*
Morpholine, 4-acetyl-	*5.6*	*T J N*	*ug/L*		*7.50*	*1696-20-4*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Octadecanoic acid	*6.5*	*T J N*	*ug/L*		*11.37*	*57-11-4*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Unknown	*76*	*T J*	*ug/L*		*11.86*		*05/15/13 09:16*	*05/22/13 01:31*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*17.95*		*05/15/13 09:16*	*05/22/13 01:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 110*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*21 - 110*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Nitrobenzene-d5 (Surr)	*60*		*21 - 110*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Phenol-d5 (Surr)	*74*		*21 - 110*	*05/15/13 09:16*	*05/22/13 01:31*	*1*
Terphenyl-d14 (Surr)	*43*		*24 - 110*	*05/15/13 09:16*	*05/22/13 01:31*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-27I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-1
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	560		50	7.5	ug/L		05/10/13 09:13	05/14/13 10:18	1
Antimony	0.25	J B	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:02	1
Arsenic	8.5	B	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:02	1
Barium	320	B	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:02	1
Beryllium	0.067	J	1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:02	1
Calcium	140000	B	1000	27	ug/L		05/10/13 09:13	05/13/13 13:02	1
Cadmium	0.11	J	1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:02	1
Cobalt	1.1		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:02	1
Chromium	280	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:02	1
Copper	4.3	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:02	1
Iron	4500	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:02	1
Magnesium	33000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:02	1
Potassium	2700	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:02	1
Manganese	140	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:02	1
Nickel	72	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:02	1
Lead	0.75	J	1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:02	1
Selenium	ND		5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:02	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:02	1
Zinc	24	B	20	2.1	ug/L		05/10/13 09:13	05/13/13 13:02	1
Silver	0.013	J	1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:02	1
Sodium	95000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		5.0	0.50	mg/L			05/20/13 19:55	5
Sulfate	76		5.0	0.60	mg/L			05/17/13 20:27	5
Ammonia (as N)	0.29		0.20	0.035	mg/L			05/16/13 10:39	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:50	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 10:56	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 12:55	1
Ferrous Iron	0.12	HF	0.050	0.018	mg/L			05/10/13 10:53	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-26S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 08:34	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 08:34	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 08:34	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 08:34	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 08:34	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 08:34	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 08:34	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 08:34	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 08:34	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 08:34	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 08:34	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 08:34	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 08:34	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 08:34	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 08:34	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 08:34	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 08:34	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 08:34	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 08:34	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 08:34	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 08:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 08:34	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 08:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 08:34	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 08:34	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 08:34	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 08:34	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 08:34	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 08:34	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 08:34	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 08:34	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 08:34	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 08:34	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 08:34	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 08:34	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 08:34	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 08:34	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 08:34	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 08:34	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 08:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 08:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 08:34	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 08:34	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 08:34	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 08:34	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 08:34	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 08:34	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 08:34	1

Client Sample ID: MW-26S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-2
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Methyl-2-propanol	42	J *	ug/L		3.75	75-65-0		05/21/13 08:34	1
Silanol, trimethyl-	2.4	T J N	ug/L		4.68	1066-40-6		05/21/13 08:34	1
Tetrahydrofuran	0.65	J	ug/L		5.03	109-99-9		05/21/13 08:34	1
1,4-Dioxane	320		ug/L		6.39	123-91-1		05/21/13 08:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		63 - 129		05/21/13 08:34	1
4-Bromofluorobenzene (Surr)	86		66 - 117		05/21/13 08:34	1
Toluene-d8 (Surr)	95		74 - 115		05/21/13 08:34	1
Dibromofluoromethane (Surr)	101		75 - 121		05/21/13 08:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/15/13 09:16	05/22/13 01:04	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/15/13 09:16	05/22/13 01:04	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 01:04	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/15/13 09:16	05/22/13 01:04	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 01:04	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:04	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/15/13 09:16	05/22/13 01:04	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:04	1
Acenaphthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Acetophenone	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 01:04	1
Anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Atrazine	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 01:04	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/15/13 09:16	05/22/13 01:04	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 01:04	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-26S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
Caprolactam	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
Carbazole	ND		0.95	0.27	ug/L		05/15/13 09:16	05/22/13 01:04	1
Chrysene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/15/13 09:16	05/22/13 01:04	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/15/13 09:16	05/22/13 01:04	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/15/13 09:16	05/22/13 01:04	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
Fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Fluorene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 01:04	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Isophorone	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 01:04	1
Naphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/15/13 09:16	05/22/13 01:04	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 01:04	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 01:04	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 01:04	1
Phenol	ND		0.95	0.57	ug/L		05/15/13 09:16	05/22/13 01:04	1
Phenanthrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
Pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 01:04	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/15/13 09:16	05/22/13 01:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane	*240*	*E*	*ug/L*		*3.24*	*123-91-1*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Unknown	*18*	*T J*	*ug/L*		*6.25*		*05/15/13 09:16*	*05/22/13 01:04*	*1*
1,4-Dichlorobenzene-d4	*11*	*T J N*	*ug/L*		*6.60*	*3855-82-1*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
N-Formylmorpholine	*9.4*	*T J N*	*ug/L*		*7.12*	*4394-85-8*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Unknown	*16*	*T J*	*ug/L*		*7.40*		*05/15/13 09:16*	*05/22/13 01:04*	*1*
Morpholine, 4-acetyl-	*9.4*	*T J N*	*ug/L*		*7.50*	*1696-20-4*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Unknown	*17*	*T J*	*ug/L*		*8.87*		*05/15/13 09:16*	*05/22/13 01:04*	*1*
n-Hexadecanoic acid	*9.1*	*T J N*	*ug/L*		*10.71*	*57-10-3*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Octadecanoic acid	*8.4*	*T J N*	*ug/L*		*11.37*	*57-11-4*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Unknown	*70*	*T J*	*ug/L*		*11.87*		*05/15/13 09:16*	*05/22/13 01:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*20 - 110*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 110*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*21 - 110*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Nitrobenzene-d5 (Surr)	*63*		*21 - 110*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Phenol-d5 (Surr)	*78*		*21 - 110*	*05/15/13 09:16*	*05/22/13 01:04*	*1*
Terphenyl-d14 (Surr)	*48*		*24 - 110*	*05/15/13 09:16*	*05/22/13 01:04*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-26S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-2
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3900		50	7.5	ug/L		05/10/13 09:13	05/14/13 10:25	1
Antimony	0.49	J B	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:09	1
Arsenic	6.0	B	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:09	1
Barium	690	B	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:09	1
Beryllium	0.24	J	1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:09	1
Calcium	140000	B	1000	27	ug/L		05/10/13 09:13	05/13/13 13:09	1
Cadmium	0.099	J	1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:09	1
Cobalt	3.7		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:09	1
Chromium	63	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:09	1
Copper	9.8	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:09	1
Iron	12000	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:09	1
Magnesium	35000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:09	1
Potassium	3500	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:09	1
Manganese	220	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:09	1
Nickel	51	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:09	1
Lead	5.0		1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:09	1
Selenium	0.47	J	5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:09	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:09	1
Zinc	31	B	20	2.1	ug/L		05/10/13 09:13	05/13/13 13:09	1
Silver	0.023	J	1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:09	1
Sodium	130000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.0	0.50	mg/L			05/20/13 20:15	5
Sulfate	63		5.0	0.60	mg/L			05/17/13 20:48	5
Ammonia (as N)	0.52		0.20	0.035	mg/L			05/16/13 10:39	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:55	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:02	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 12:55	1
Ferrous Iron	0.18	HF	0.050	0.018	mg/L			05/10/13 10:54	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 1(TB1)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 08:56	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 08:56	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 08:56	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 08:56	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 08:56	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 08:56	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 08:56	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 08:56	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 08:56	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 08:56	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 08:56	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 08:56	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 08:56	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 08:56	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 08:56	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 08:56	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 08:56	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 08:56	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 08:56	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 08:56	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 08:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 08:56	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 08:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 08:56	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 08:56	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 08:56	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 08:56	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 08:56	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 08:56	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 08:56	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 08:56	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 08:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 08:56	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 08:56	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 08:56	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 08:56	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 08:56	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 08:56	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 08:56	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 08:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 08:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 08:56	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 08:56	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 08:56	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 08:56	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 08:56	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 08:56	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 08:56	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 1(TB1)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-3
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 08:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129		05/21/13 08:56	1
4-Bromofluorobenzene (Surr)	86		66 - 117		05/21/13 08:56	1
Toluene-d8 (Surr)	95		74 - 115		05/21/13 08:56	1
Dibromofluoromethane (Surr)	103		75 - 121		05/21/13 08:56	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-25S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 09:19	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 09:19	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 09:19	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 09:19	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 09:19	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 09:19	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 09:19	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 09:19	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 09:19	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 09:19	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 09:19	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 09:19	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 09:19	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 09:19	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 09:19	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 09:19	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 09:19	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 09:19	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 09:19	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 09:19	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 09:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 09:19	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 09:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 09:19	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 09:19	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 09:19	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 09:19	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 09:19	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 09:19	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 09:19	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 09:19	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 09:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 09:19	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 09:19	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 09:19	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 09:19	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 09:19	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 09:19	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 09:19	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 09:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 09:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 09:19	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 09:19	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 09:19	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 09:19	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 09:19	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 09:19	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 09:19	1

Client Sample ID: MW-25S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-4
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		63 - 129		05/21/13 09:19	1
4-Bromofluorobenzene (Surr)	88		66 - 117		05/21/13 09:19	1
Toluene-d8 (Surr)	95		74 - 115		05/21/13 09:19	1
Dibromofluoromethane (Surr)	104		75 - 121		05/21/13 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/15/13 09:16	05/22/13 00:38	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/15/13 09:16	05/22/13 00:38	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 00:38	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/15/13 09:16	05/22/13 00:38	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 00:38	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:38	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/15/13 09:16	05/22/13 00:38	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:38	1
Acenaphthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Acetophenone	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 00:38	1
Anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Atrazine	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 00:38	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/15/13 09:16	05/22/13 00:38	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 00:38	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
Caprolactam	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-25S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/15/13 09:16	05/22/13 00:38	1
Chrysene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/15/13 09:16	05/22/13 00:38	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/15/13 09:16	05/22/13 00:38	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/15/13 09:16	05/22/13 00:38	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
Fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Fluorene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 00:38	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Isophorone	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 00:38	1
Naphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/15/13 09:16	05/22/13 00:38	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:38	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 00:38	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:38	1
Phenol	ND		0.95	0.57	ug/L		05/15/13 09:16	05/22/13 00:38	1
Phenanthrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
Pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:38	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/15/13 09:16	05/22/13 00:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acrylamide	*2.3*	*J*	*ug/L*		*5.03*	*79-06-1*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
Unknown	*18*	*T J*	*ug/L*		*6.25*		*05/15/13 09:16*	*05/22/13 00:38*	*1*
Unknown	*12*	*T J*	*ug/L*		*6.60*		*05/15/13 09:16*	*05/22/13 00:38*	*1*
n-Hexadecanoic acid	*3.3*	*T J N*	*ug/L*		*10.70*	*57-10-3*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
Octadecanoic acid	*2.9*	*T J N*	*ug/L*		*11.37*	*57-11-4*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
Unknown	*0.77*	*T J*	*ug/L*		*11.84*		*05/15/13 09:16*	*05/22/13 00:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*20 - 110*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 110*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*21 - 110*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
Nitrobenzene-d5 (Surr)	*64*		*21 - 110*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
Phenol-d5 (Surr)	*77*		*21 - 110*	*05/15/13 09:16*	*05/22/13 00:38*	*1*
Terphenyl-d14 (Surr)	*52*		*24 - 110*	*05/15/13 09:16*	*05/22/13 00:38*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**800**		50	7.5	ug/L		05/10/13 09:13	05/14/13 10:32	1
Antimony	**0.29**	**J B**	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:17	1
Arsenic	**1.5**	**J B**	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:17	1
Barium	**110**	**B**	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:17	1
Beryllium	**0.052**	**J**	1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:17	1
Calcium	**110000**	**B**	1000	27	ug/L		05/10/13 09:13	05/13/13 13:17	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-25S
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-4
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.084	J	1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:17	1
Cobalt	8.6		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:17	1
Chromium	120	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:17	1
Copper	19	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:17	1
Iron	13000	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:17	1
Magnesium	23000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:17	1
Potassium	2600	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:17	1
Manganese	460	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:17	1
Nickel	650	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:17	1
Lead	3.5		1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:17	1
Selenium	ND		5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:17	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:17	1
Zinc	40	B	20	2.1	ug/L		05/10/13 09:13	05/13/13 13:17	1
Silver	0.014	J	1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:17	1
Sodium	39000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63		1.0	0.10	mg/L			05/20/13 20:35	1
Sulfate	70		1.0	0.12	mg/L			05/17/13 21:08	1
Ammonia (as N)	0.064	J	0.20	0.035	mg/L			05/16/13 10:39	1
Nitrate Nitrite as N	3.0		0.10	0.014	mg/L			05/21/13 12:57	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:09	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 12:55	1
Ferrous Iron	0.033	J HF	0.050	0.018	mg/L			05/10/13 10:55	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-10I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 09:41	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 09:41	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 09:41	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 09:41	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 09:41	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 09:41	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 09:41	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 09:41	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 09:41	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 09:41	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 09:41	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 09:41	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 09:41	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 09:41	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 09:41	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 09:41	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 09:41	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 09:41	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 09:41	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 09:41	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 09:41	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 09:41	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 09:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 09:41	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 09:41	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 09:41	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 09:41	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 09:41	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 09:41	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 09:41	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 09:41	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 09:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 09:41	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 09:41	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 09:41	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 09:41	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 09:41	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 09:41	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 09:41	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 09:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 09:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 09:41	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 09:41	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 09:41	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 09:41	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 09:41	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 09:41	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 09:41	1

Client Sample ID: MW-10I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-5
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	0.69	J	ug/L		2.95	60-29-7		05/21/13 09:41	1
2-Methyl-2-propanol	7.0	J *	ug/L		3.75	75-65-0		05/21/13 09:41	1
Silanol, trimethyl-	1.4	T J N	ug/L		4.68	1066-40-6		05/21/13 09:41	1
Tetrahydrofuran	6.6		ug/L		5.03	109-99-9		05/21/13 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		63 - 129		05/21/13 09:41	1
4-Bromofluorobenzene (Surr)	84		66 - 117		05/21/13 09:41	1
Toluene-d8 (Surr)	92		74 - 115		05/21/13 09:41	1
Dibromofluoromethane (Surr)	99		75 - 121		05/21/13 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/15/13 09:16	05/22/13 00:11	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/15/13 09:16	05/22/13 00:11	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 00:11	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/15/13 09:16	05/22/13 00:11	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/15/13 09:16	05/22/13 00:11	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:11	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/15/13 09:16	05/22/13 00:11	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:11	1
Acenaphthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Acetophenone	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 00:11	1
Anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Atrazine	ND		0.95	0.32	ug/L		05/15/13 09:16	05/22/13 00:11	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/15/13 09:16	05/22/13 00:11	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 00:11	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1

Client Sample ID: MW-10I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
Caprolactam	ND		4.8	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
Carbazole	ND		0.95	0.27	ug/L		05/15/13 09:16	05/22/13 00:11	1
Chrysene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/15/13 09:16	05/22/13 00:11	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/15/13 09:16	05/22/13 00:11	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/15/13 09:16	05/22/13 00:11	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
Fluoranthene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Fluorene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 00:11	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Isophorone	ND		0.95	0.26	ug/L		05/15/13 09:16	05/22/13 00:11	1
Naphthalene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/15/13 09:16	05/22/13 00:11	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/15/13 09:16	05/22/13 00:11	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/15/13 09:16	05/22/13 00:11	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/15/13 09:16	05/22/13 00:11	1
Phenol	ND		0.95	0.57	ug/L		05/15/13 09:16	05/22/13 00:11	1
Phenanthrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
Pyrene	ND		0.19	0.095	ug/L		05/15/13 09:16	05/22/13 00:11	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/15/13 09:16	05/22/13 00:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane	*15*		*ug/L*		*3.17*	*123-91-1*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Acrylamide	*2.3*	*J*	*ug/L*		*5.08*	*79-06-1*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Unknown	*17*	*T J*	*ug/L*		*6.25*		*05/15/13 09:16*	*05/22/13 00:11*	*1*
1,4-Dichlorobenzene-d4	*11*	*T J N*	*ug/L*		*6.59*	*3855-82-1*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
N-Formylmorpholine	*2.7*	*T J N*	*ug/L*		*7.12*	*4394-85-8*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Morpholine, 4-acetyl-	*2.6*	*T J N*	*ug/L*		*7.50*	*1696-20-4*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Octadecanoic acid	*5.9*	*T J N*	*ug/L*		*11.37*	*57-11-4*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Unknown	*13*	*T J*	*ug/L*		*11.85*		*05/15/13 09:16*	*05/22/13 00:11*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*15.76*		*05/15/13 09:16*	*05/22/13 00:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*20 - 110*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 110*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*21 - 110*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Nitrobenzene-d5 (Surr)	*62*		*21 - 110*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Phenol-d5 (Surr)	*72*		*21 - 110*	*05/15/13 09:16*	*05/22/13 00:11*	*1*
Terphenyl-d14 (Surr)	*47*		*24 - 110*	*05/15/13 09:16*	*05/22/13 00:11*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-10I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-5
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	280		50	7.5	ug/L		05/10/13 09:13	05/14/13 10:39	1
Antimony	0.20	J B	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:24	1
Arsenic	2.2	J B	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:24	1
Barium	680	B	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:24	1
Beryllium	ND		1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:24	1
Calcium	110000	B	1000	27	ug/L		05/10/13 09:13	05/13/13 13:24	1
Cadmium	0.050	J	1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:24	1
Cobalt	0.50	J	1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:24	1
Chromium	12	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:24	1
Copper	5.1	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:24	1
Iron	3800	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:24	1
Magnesium	28000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:24	1
Potassium	4700	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:24	1
Manganese	230	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:24	1
Nickel	13	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:24	1
Lead	0.75	J	1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:24	1
Selenium	ND		5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:24	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:24	1
Zinc	7.4	J B	20	2.1	ug/L		05/10/13 09:13	05/13/13 13:24	1
Silver	ND		1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:24	1
Sodium	48000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45		1.0	0.10	mg/L			05/20/13 20:56	1
Sulfate	47		1.0	0.12	mg/L			05/17/13 21:28	1
Ammonia (as N)	2.7		0.20	0.035	mg/L			05/16/13 12:41	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:58	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:16	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 12:56	1
Ferrous Iron	ND	HF	0.050	0.018	mg/L			05/10/13 10:56	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 2(TB2)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 10:04	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 10:04	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 10:04	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 10:04	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 10:04	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 10:04	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 10:04	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 10:04	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 10:04	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 10:04	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 10:04	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 10:04	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 10:04	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 10:04	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 10:04	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 10:04	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 10:04	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 10:04	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 10:04	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 10:04	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 10:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 10:04	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 10:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 10:04	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 10:04	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 10:04	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 10:04	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 10:04	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 10:04	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 10:04	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 10:04	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 10:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 10:04	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 10:04	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 10:04	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 10:04	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 10:04	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 10:04	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 10:04	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 10:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 10:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 10:04	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 10:04	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 10:04	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 10:04	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 10:04	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 10:04	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 10:04	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 2(TB2)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-6
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 10:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		63 - 129		05/21/13 10:04	1
4-Bromofluorobenzene (Surr)	90		66 - 117		05/21/13 10:04	1
Toluene-d8 (Surr)	97		74 - 115		05/21/13 10:04	1
Dibromofluoromethane (Surr)	106		75 - 121		05/21/13 10:04	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-12I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	5.5	ug/L			05/21/13 16:07	5
Benzene	ND		5.0	0.65	ug/L			05/21/13 16:07	5
Dichlorobromomethane	ND		5.0	0.75	ug/L			05/21/13 16:07	5
Bromoform	ND		5.0	3.2	ug/L			05/21/13 16:07	5
Bromomethane	ND		5.0	2.1	ug/L			05/21/13 16:07	5
2-Butanone (MEK)	ND		50	2.9	ug/L			05/21/13 16:07	5
Carbon disulfide	ND		5.0	0.65	ug/L			05/21/13 16:07	5
Carbon tetrachloride	ND		5.0	0.65	ug/L			05/21/13 16:07	5
Chlorobenzene	ND		5.0	0.75	ug/L			05/21/13 16:07	5
Chloroethane	ND		5.0	1.5	ug/L			05/21/13 16:07	5
Chloroform	ND		5.0	0.80	ug/L			05/21/13 16:07	5
Chloromethane	ND		5.0	1.5	ug/L			05/21/13 16:07	5
1,1-Dichloroethane	ND		5.0	0.75	ug/L			05/21/13 16:07	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/21/13 16:07	5
1,1-Dichloroethene	ND		5.0	0.95	ug/L			05/21/13 16:07	5
1,2-Dichloropropane	ND		5.0	0.90	ug/L			05/21/13 16:07	5
cis-1,3-Dichloropropene	ND		5.0	0.70	ug/L			05/21/13 16:07	5
trans-1,3-Dichloropropene	ND		5.0	0.95	ug/L			05/21/13 16:07	5
Ethylbenzene	ND		5.0	0.85	ug/L			05/21/13 16:07	5
2-Hexanone	ND		50	2.1	ug/L			05/21/13 16:07	5
Methylene Chloride	**2.3**	**J B**	5.0	1.7	ug/L			05/21/13 16:07	5
4-Methyl-2-pentanone (MIBK)	ND		50	1.6	ug/L			05/21/13 16:07	5
Styrene	ND		5.0	0.55	ug/L			05/21/13 16:07	5
1,1,2,2-Tetrachloroethane	ND		5.0	0.90	ug/L			05/21/13 16:07	5
Tetrachloroethene	ND		5.0	1.5	ug/L			05/21/13 16:07	5
Toluene	ND		5.0	0.65	ug/L			05/21/13 16:07	5
Trichloroethene	ND		5.0	0.85	ug/L			05/21/13 16:07	5
Vinyl chloride	ND		5.0	1.1	ug/L			05/21/13 16:07	5
Xylenes, Total	ND		10	1.4	ug/L			05/21/13 16:07	5
1,1,1-Trichloroethane	ND		5.0	1.1	ug/L			05/21/13 16:07	5
1,1,2-Trichloroethane	ND		5.0	1.4	ug/L			05/21/13 16:07	5
Cyclohexane	ND		5.0	0.60	ug/L			05/21/13 16:07	5
1,2-Dibromo-3-Chloropropane	ND		10	3.4	ug/L			05/21/13 16:07	5
Ethylene Dibromide	ND		5.0	1.2	ug/L			05/21/13 16:07	5
Dichlorodifluoromethane	ND		5.0	1.6	ug/L			05/21/13 16:07	5
cis-1,2-Dichloroethene	ND		5.0	0.85	ug/L			05/21/13 16:07	5
trans-1,2-Dichloroethene	ND		5.0	0.95	ug/L			05/21/13 16:07	5
Isopropylbenzene	ND		5.0	0.65	ug/L			05/21/13 16:07	5
Methyl acetate	ND		50	1.9	ug/L			05/21/13 16:07	5
Methyl tert-butyl ether	ND		5.0	0.85	ug/L			05/21/13 16:07	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.4	ug/L			05/21/13 16:07	5
1,2,4-Trichlorobenzene	ND		5.0	0.75	ug/L			05/21/13 16:07	5
1,2-Dichlorobenzene	ND		5.0	0.65	ug/L			05/21/13 16:07	5
1,3-Dichlorobenzene	ND		5.0	0.70	ug/L			05/21/13 16:07	5
1,4-Dichlorobenzene	ND		5.0	0.65	ug/L			05/21/13 16:07	5
Trichlorofluoromethane	ND		5.0	1.1	ug/L			05/21/13 16:07	5
Chlorodibromomethane	ND		5.0	0.90	ug/L			05/21/13 16:07	5
Methylcyclohexane	ND		5.0	0.65	ug/L			05/21/13 16:07	5

Client Sample ID: MW-12I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-7
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 16:07	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129		05/21/13 16:07	5
4-Bromofluorobenzene (Surr)	90		66 - 117		05/21/13 16:07	5
Toluene-d8 (Surr)	95		74 - 115		05/21/13 16:07	5
Dibromofluoromethane (Surr)	103		75 - 121		05/21/13 16:07	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.2	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,2'-oxybis[1-chloropropane]	ND		1.2	0.47	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,4,5-Trichlorophenol	ND		5.8	0.35	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,4,6-Trichlorophenol	ND		5.8	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,4-Dichlorophenol	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,4-Dimethylphenol	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,4-Dinitrophenol	ND		5.8	2.8	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,4-Dinitrotoluene	ND		5.8	0.31	ug/L		05/16/13 08:46	05/18/13 18:40	1
2,6-Dinitrotoluene	ND		5.8	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2-Chloronaphthalene	ND		1.2	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
2-Chlorophenol	ND		1.2	0.34	ug/L		05/16/13 08:46	05/18/13 18:40	1
2-Methylnaphthalene	**0.13**	**J**	0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
2-Methylphenol	ND		1.2	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2-Nitroaniline	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
2-Nitrophenol	ND		2.3	0.33	ug/L		05/16/13 08:46	05/18/13 18:40	1
3,3'-Dichlorobenzidine	ND		5.8	0.43	ug/L		05/16/13 08:46	05/18/13 18:40	1
3-Nitroaniline	ND		2.3	0.33	ug/L		05/16/13 08:46	05/18/13 18:40	1
4,6-Dinitro-2-methylphenol	ND		5.8	2.8	ug/L		05/16/13 08:46	05/18/13 18:40	1
4-Bromophenyl phenyl ether	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
4-Chloro-3-methylphenol	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
4-Chloroaniline	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
4-Chlorophenyl phenyl ether	ND		2.3	0.35	ug/L		05/16/13 08:46	05/18/13 18:40	1
4-Nitroaniline	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
4-Nitrophenol	ND		5.8	2.8	ug/L		05/16/13 08:46	05/18/13 18:40	1
Acenaphthene	ND		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Acenaphthylene	ND		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Acetophenone	ND		1.2	0.40	ug/L		05/16/13 08:46	05/18/13 18:40	1
Anthracene	ND		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Atrazine	ND		1.2	0.40	ug/L		05/16/13 08:46	05/18/13 18:40	1
Benzaldehyde	**0.65**	**J**	1.2	0.45	ug/L		05/16/13 08:46	05/18/13 18:40	1
Benzo[a]anthracene	**0.49**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Benzo[a]pyrene	**0.86**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Benzo[b]fluoranthene	**1.9**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Benzo[g,h,i]perylene	**1.4**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Benzo[k]fluoranthene	**0.68**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Bis(2-chloroethoxy)methane	ND		1.2	0.37	ug/L		05/16/13 08:46	05/18/13 18:40	1
Bis(2-chloroethyl)ether	ND		1.2	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Bis(2-ethylhexyl) phthalate	**19**		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
Butyl benzyl phthalate	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
Caprolactam	ND		5.8	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1

Client Sample ID: MW-12I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		1.2	0.33	ug/L		05/16/13 08:46	05/18/13 18:40	1
Chrysene	**1.0**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Dibenz(a,h)anthracene	ND		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Dibenzofuran	ND		1.2	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Diethyl phthalate	ND		2.3	0.70	ug/L		05/16/13 08:46	05/18/13 18:40	1
Dimethyl phthalate	ND		2.3	0.34	ug/L		05/16/13 08:46	05/18/13 18:40	1
Di-n-butyl phthalate	ND		2.3	0.78	ug/L		05/16/13 08:46	05/18/13 18:40	1
Di-n-octyl phthalate	ND		2.3	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
Fluoranthene	**1.7**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Fluorene	ND		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Hexachlorobenzene	ND		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Hexachlorobutadiene	ND		1.2	0.31	ug/L		05/16/13 08:46	05/18/13 18:40	1
Hexachlorocyclopentadiene	ND	*	12	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
Hexachloroethane	ND		1.2	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
Indeno[1,2,3-cd]pyrene	**0.98**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Isophorone	ND		1.2	0.31	ug/L		05/16/13 08:46	05/18/13 18:40	1
Naphthalene	**0.17**	**J**	0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Nitrobenzene	ND		1.2	0.047	ug/L		05/16/13 08:46	05/18/13 18:40	1
N-Nitrosodi-n-propylamine	ND		1.2	0.93	ug/L		05/16/13 08:46	05/18/13 18:40	1
N-Nitrosodiphenylamine	ND		1.2	0.36	ug/L		05/16/13 08:46	05/18/13 18:40	1
Pentachlorophenol	ND		5.8	2.8	ug/L		05/16/13 08:46	05/18/13 18:40	1
Phenol	ND		1.2	0.70	ug/L		05/16/13 08:46	05/18/13 18:40	1
Phenanthrene	**0.78**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
Pyrene	**1.7**		0.23	0.12	ug/L		05/16/13 08:46	05/18/13 18:40	1
3 & 4 Methylphenol	ND		2.3	0.87	ug/L		05/16/13 08:46	05/18/13 18:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.0*	*T J*	*ug/L*		*11.21*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown	*54*	*T J*	*ug/L*		*11.42*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown Hydrocarbon	*7.8*	*T J*	*ug/L*		*14.22*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown Hydrocarbon	*15*	*T J*	*ug/L*		*15.03*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown	*18*	*T J*	*ug/L*		*15.63*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*16.25*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown Hydrocarbon	*17*	*T J*	*ug/L*		*16.59*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*17.03*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown	*19*	*T J*	*ug/L*		*17.32*		*05/16/13 08:46*	*05/18/13 18:40*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*17.69*		*05/16/13 08:46*	*05/18/13 18:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*40*		*20 - 110*	*05/16/13 08:46*	*05/18/13 18:40*	*1*
2-Fluorophenol (Surr)	*66*		*10 - 110*	*05/16/13 08:46*	*05/18/13 18:40*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*21 - 110*	*05/16/13 08:46*	*05/18/13 18:40*	*1*
Nitrobenzene-d5 (Surr)	*66*		*21 - 110*	*05/16/13 08:46*	*05/18/13 18:40*	*1*
Phenol-d5 (Surr)	*72*		*21 - 110*	*05/16/13 08:46*	*05/18/13 18:40*	*1*
Terphenyl-d14 (Surr)	*13*	*X*	*24 - 110*	*05/16/13 08:46*	*05/18/13 18:40*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**40000**		500	75	ug/L		05/10/13 09:13	05/14/13 10:45	10
Antimony	**5.0**	**B**	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:32	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-12I
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-7
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	67	B	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:32	1
Barium	540	B	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:32	1
Beryllium	1.6		1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:32	1
Calcium	170000	B	1000	27	ug/L		05/10/13 09:13	05/13/13 13:32	1
Cadmium	120		1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:32	1
Cobalt	27		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:32	1
Chromium	3100	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:32	1
Copper	300	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:32	1
Iron	69000	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:32	1
Magnesium	40000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:32	1
Potassium	7700	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:32	1
Manganese	1400	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:32	1
Nickel	700	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:32	1
Lead	89		1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:32	1
Selenium	7.2		5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:32	1
Thallium	0.61	J	1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:32	1
Zinc	18000	B	200	21	ug/L		05/10/13 09:13	05/14/13 10:45	10
Silver	1.6		1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:32	1
Sodium	300000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		10	1.0	mg/L			05/20/13 21:16	10
Sulfate	65		10	1.2	mg/L			05/17/13 21:48	10
Ammonia (as N)	0.21		0.20	0.035	mg/L			05/16/13 12:41	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 13:05	1
Sulfide	10		1.0	0.67	mg/L			05/15/13 11:22	1
Cyanide, Total	0.51		0.25	0.080	mg/L		05/14/13 10:05	05/14/13 14:03	25
Ferrous Iron	0.50	HF	0.050	0.018	mg/L			05/10/13 10:57	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-30
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 10:26	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 10:26	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 10:26	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 10:26	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 10:26	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 10:26	1
Carbon disulfide	**0.24**	**J**	1.0	0.13	ug/L			05/21/13 10:26	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 10:26	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 10:26	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 10:26	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 10:26	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 10:26	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 10:26	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 10:26	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 10:26	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 10:26	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 10:26	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 10:26	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 10:26	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 10:26	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 10:26	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 10:26	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 10:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 10:26	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 10:26	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 10:26	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 10:26	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 10:26	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 10:26	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 10:26	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 10:26	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 10:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 10:26	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 10:26	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 10:26	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 10:26	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 10:26	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 10:26	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 10:26	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 10:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 10:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 10:26	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 10:26	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 10:26	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 10:26	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 10:26	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 10:26	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 10:26	1

Client Sample ID: MW-30
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-8
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, dimethyl(1,1,2-trimethylpropyl)	1.8	T J N	ug/L		4.68	55644-10-5		05/21/13 10:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		63 - 129		05/21/13 10:26	1
4-Bromofluorobenzene (Surr)	80		66 - 117		05/21/13 10:26	1
Toluene-d8 (Surr)	94		74 - 115		05/21/13 10:26	1
Dibromofluoromethane (Surr)	103		75 - 121		05/21/13 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/16/13 08:46	05/18/13 17:47	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/16/13 08:46	05/18/13 17:47	1
2-Methylnaphthalene	**0.29**		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/16/13 08:46	05/18/13 17:47	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/16/13 08:46	05/18/13 17:47	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/16/13 08:46	05/18/13 17:47	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 17:47	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/16/13 08:46	05/18/13 17:47	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 17:47	1
Acenaphthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Acetophenone	ND		0.95	0.32	ug/L		05/16/13 08:46	05/18/13 17:47	1
Anthracene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Atrazine	ND		0.95	0.32	ug/L		05/16/13 08:46	05/18/13 17:47	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/16/13 08:46	05/18/13 17:47	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/16/13 08:46	05/18/13 17:47	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
Caprolactam	ND		4.8	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1

Client Sample ID: MW-30
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/16/13 08:46	05/18/13 17:47	1
Chrysene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/16/13 08:46	05/18/13 17:47	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/16/13 08:46	05/18/13 17:47	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/16/13 08:46	05/18/13 17:47	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
Fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Fluorene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/16/13 08:46	05/18/13 17:47	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Isophorone	ND		0.95	0.26	ug/L		05/16/13 08:46	05/18/13 17:47	1
Naphthalene	**0.15**	**J**	0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/16/13 08:46	05/18/13 17:47	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 17:47	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/16/13 08:46	05/18/13 17:47	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 17:47	1
Phenol	ND		0.95	0.57	ug/L		05/16/13 08:46	05/18/13 17:47	1
Phenanthrene	**0.11**	**J**	0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
Pyrene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 17:47	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/16/13 08:46	05/18/13 17:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.66*	*T J*	*ug/L*		*6.08*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*0.72*	*T J*	*ug/L*		*7.73*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*0.49*	*T J*	*ug/L*		*8.03*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*0.47*	*T J*	*ug/L*		*9.02*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*9.60*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*11.70*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*15.34*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*1.3*	*T J*	*ug/L*		*16.58*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*17.34*		*05/16/13 08:46*	*05/18/13 17:47*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*18.20*		*05/16/13 08:46*	*05/18/13 17:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*20 - 110*	*05/16/13 08:46*	*05/18/13 17:47*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 110*	*05/16/13 08:46*	*05/18/13 17:47*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*21 - 110*	*05/16/13 08:46*	*05/18/13 17:47*	*1*
Nitrobenzene-d5 (Surr)	*72*		*21 - 110*	*05/16/13 08:46*	*05/18/13 17:47*	*1*
Phenol-d5 (Surr)	*75*		*21 - 110*	*05/16/13 08:46*	*05/18/13 17:47*	*1*
Terphenyl-d14 (Surr)	*29*		*24 - 110*	*05/16/13 08:46*	*05/18/13 17:47*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**28000**		250	38	ug/L		05/10/13 09:13	05/14/13 10:52	5
Antimony	**0.88**	**J B**	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:39	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: MW-30
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-8
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	29	B	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:39	1
Barium	250	B	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:39	1
Beryllium	1.5		1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:39	1
Calcium	120000	B	1000	27	ug/L		05/10/13 09:13	05/13/13 13:39	1
Cadmium	0.39	J	1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:39	1
Cobalt	19		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:39	1
Chromium	62	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:39	1
Copper	71	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:39	1
Iron	50000	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:39	1
Magnesium	31000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:39	1
Potassium	11000	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:39	1
Manganese	1100	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:39	1
Nickel	53	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:39	1
Lead	32		1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:39	1
Selenium	3.8	J	5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:39	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:39	1
Zinc	180	B	20	2.1	ug/L		05/10/13 09:13	05/13/13 13:39	1
Silver	0.093	J	1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:39	1
Sodium	50000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98		5.0	0.50	mg/L			05/20/13 21:36	5
Sulfate	91		5.0	0.60	mg/L			05/17/13 22:08	5
Ammonia (as N)	0.16	J	0.20	0.035	mg/L			05/16/13 12:41	1
Nitrate Nitrite as N	0.17		0.10	0.014	mg/L			05/21/13 13:07	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:29	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 13:00	1
Ferrous Iron	0.053	HF	0.050	0.018	mg/L			05/10/13 10:58	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 4(TB4)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 16:29	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 16:29	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 16:29	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 16:29	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 16:29	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 16:29	1
Carbon disulfide	**0.97**	**J**	1.0	0.13	ug/L			05/21/13 16:29	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 16:29	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 16:29	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 16:29	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 16:29	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 16:29	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 16:29	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 16:29	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 16:29	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 16:29	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 16:29	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 16:29	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 16:29	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 16:29	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 16:29	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 16:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 16:29	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 16:29	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 16:29	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 16:29	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 16:29	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 16:29	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 16:29	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 16:29	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 16:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 16:29	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 16:29	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 16:29	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 16:29	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 16:29	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 16:29	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 16:29	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 16:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 16:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 16:29	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 16:29	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 16:29	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 16:29	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 16:29	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 16:29	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 16:29	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 4(TB4)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-9
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		63 - 129		05/21/13 16:29	1
4-Bromofluorobenzene (Surr)	84		66 - 117		05/21/13 16:29	1
Toluene-d8 (Surr)	92		74 - 115		05/21/13 16:29	1
Dibromofluoromethane (Surr)	99		75 - 121		05/21/13 16:29	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: DUPLICATE 1
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 16:52	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 16:52	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 16:52	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 16:52	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 16:52	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 16:52	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 16:52	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 16:52	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 16:52	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 16:52	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 16:52	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 16:52	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 16:52	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 16:52	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 16:52	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 16:52	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 16:52	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 16:52	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 16:52	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 16:52	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 16:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 16:52	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 16:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 16:52	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 16:52	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 16:52	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 16:52	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 16:52	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 16:52	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 16:52	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 16:52	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 16:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 16:52	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 16:52	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 16:52	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 16:52	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 16:52	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 16:52	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 16:52	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 16:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 16:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 16:52	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 16:52	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 16:52	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 16:52	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 16:52	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 16:52	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 16:52	1

Client Sample ID: DUPLICATE 1
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-10
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, trimethyl-	1.1	T J N	ug/L		4.68	1066-40-6		05/21/13 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		63 - 129		05/21/13 16:52	1
4-Bromofluorobenzene (Surr)	84		66 - 117		05/21/13 16:52	1
Toluene-d8 (Surr)	92		74 - 115		05/21/13 16:52	1
Dibromofluoromethane (Surr)	97		75 - 121		05/21/13 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/16/13 08:46	05/18/13 18:14	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/16/13 08:46	05/18/13 18:14	1
2-Methylnaphthalene	**0.72**		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/16/13 08:46	05/18/13 18:14	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/16/13 08:46	05/18/13 18:14	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/16/13 08:46	05/18/13 18:14	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 18:14	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/16/13 08:46	05/18/13 18:14	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 18:14	1
Acenaphthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Acetophenone	ND		0.95	0.32	ug/L		05/16/13 08:46	05/18/13 18:14	1
Anthracene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Atrazine	ND		0.95	0.32	ug/L		05/16/13 08:46	05/18/13 18:14	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/16/13 08:46	05/18/13 18:14	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/16/13 08:46	05/18/13 18:14	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Bis(2-ethylhexyl) phthalate	**0.90**	**J**	1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
Caprolactam	ND		4.8	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1

Client Sample ID: DUPLICATE 1
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/16/13 08:46	05/18/13 18:14	1
Chrysene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Dibenzofuran	**0.15**	**J**	0.95	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/16/13 08:46	05/18/13 18:14	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/16/13 08:46	05/18/13 18:14	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/16/13 08:46	05/18/13 18:14	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
Fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Fluorene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/16/13 08:46	05/18/13 18:14	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Isophorone	ND		0.95	0.26	ug/L		05/16/13 08:46	05/18/13 18:14	1
Naphthalene	**0.37**		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/16/13 08:46	05/18/13 18:14	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/16/13 08:46	05/18/13 18:14	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/16/13 08:46	05/18/13 18:14	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/16/13 08:46	05/18/13 18:14	1
Phenol	ND		0.95	0.57	ug/L		05/16/13 08:46	05/18/13 18:14	1
Phenanthrene	**0.25**		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
Pyrene	ND		0.19	0.095	ug/L		05/16/13 08:46	05/18/13 18:14	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/16/13 08:46	05/18/13 18:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.5*	*T J*	*ug/L*		*6.09*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*15*	*T J*	*ug/L*		*6.52*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*6.85*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*1.1*	*T J*	*ug/L*		*9.02*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*1.1*	*T J*	*ug/L*		*9.60*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*0.85*	*T J*	*ug/L*		*10.36*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*11.70*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*0.96*	*T J*	*ug/L*		*16.58*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*0.82*	*T J*	*ug/L*		*17.34*		*05/16/13 08:46*	*05/18/13 18:14*	*1*
Unknown	*0.83*	*T J*	*ug/L*		*18.20*		*05/16/13 08:46*	*05/18/13 18:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*20 - 110*	*05/16/13 08:46*	*05/18/13 18:14*	*1*
2-Fluorophenol (Surr)	*60*		*10 - 110*	*05/16/13 08:46*	*05/18/13 18:14*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*21 - 110*	*05/16/13 08:46*	*05/18/13 18:14*	*1*
Nitrobenzene-d5 (Surr)	*59*		*21 - 110*	*05/16/13 08:46*	*05/18/13 18:14*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*05/16/13 08:46*	*05/18/13 18:14*	*1*
Terphenyl-d14 (Surr)	*35*		*24 - 110*	*05/16/13 08:46*	*05/18/13 18:14*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**29000**		250	38	ug/L		05/10/13 09:13	05/14/13 10:59	5
Antimony	**0.91**	**J B**	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 13:47	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: DUPLICATE 1
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-10
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31	B	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 13:47	1
Barium	250	B	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 13:47	1
Beryllium	1.6		1.0	0.031	ug/L		05/10/13 09:13	05/13/13 13:47	1
Calcium	110000	B	1000	27	ug/L		05/10/13 09:13	05/13/13 13:47	1
Cadmium	0.38	J	1.0	0.026	ug/L		05/10/13 09:13	05/13/13 13:47	1
Cobalt	21		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 13:47	1
Chromium	65	B	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 13:47	1
Copper	78	B	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 13:47	1
Iron	54000	B	100	12	ug/L		05/10/13 09:13	05/13/13 13:47	1
Magnesium	31000	B	1000	15	ug/L		05/10/13 09:13	05/13/13 13:47	1
Potassium	11000	B	1000	5.1	ug/L		05/10/13 09:13	05/13/13 13:47	1
Manganese	1100	B	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 13:47	1
Nickel	56	B	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 13:47	1
Lead	33		1.0	0.14	ug/L		05/10/13 09:13	05/13/13 13:47	1
Selenium	4.0	J	5.0	0.34	ug/L		05/10/13 09:13	05/13/13 13:47	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 13:47	1
Zinc	190	B	20	2.1	ug/L		05/10/13 09:13	05/13/13 13:47	1
Silver	0.096	J	1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 13:47	1
Sodium	49000	B	1000	4.2	ug/L		05/10/13 09:13	05/13/13 13:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		2.0	0.20	mg/L			05/20/13 22:36	2
Sulfate	93		2.0	0.24	mg/L			05/17/13 23:09	2
Ammonia (as N)	0.13	J	0.20	0.035	mg/L			05/16/13 12:41	1
Nitrate Nitrite as N	0.16		0.10	0.014	mg/L			05/21/13 13:08	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:35	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 13:00	1
Ferrous Iron	0.043	J HF	0.050	0.018	mg/L			05/10/13 10:59	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 3(TB3)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 17:14	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 17:14	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 17:14	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 17:14	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 17:14	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 17:14	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 17:14	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 17:14	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 17:14	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 17:14	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 17:14	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 17:14	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 17:14	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 17:14	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 17:14	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 17:14	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 17:14	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 17:14	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 17:14	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 17:14	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 17:14	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 17:14	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 17:14	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 17:14	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 17:14	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 17:14	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 17:14	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 17:14	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 17:14	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 17:14	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 17:14	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 17:14	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 17:14	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 17:14	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 17:14	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 17:14	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 17:14	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 17:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 17:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 17:14	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 17:14	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 17:14	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 17:14	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 17:14	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 17:14	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 17:14	1

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Client Sample ID: TRIP BLANK 3(TB3)
Date Collected: 05/09/13 00:00
Date Received: 05/09/13 16:45

Lab Sample ID: 240-24200-11
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		63 - 129		05/21/13 17:14	1
4-Bromofluorobenzene (Surr)	90		66 - 117		05/21/13 17:14	1
Toluene-d8 (Surr)	97		74 - 115		05/21/13 17:14	1
Dibromofluoromethane (Surr)	105		75 - 121		05/21/13 17:14	1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-24200-1	MW-27I	105	84	94	99
240-24200-2	MW-26S	108	86	95	101
240-24200-3	TRIP BLANK 1(TB1)	110	86	95	103
240-24200-4	MW-25S	108	88	95	104
240-24200-5	MW-10I	105	84	92	99
240-24200-6	TRIP BLANK 2(TB2)	112	90	97	106
240-24200-7	MW-12I	110	90	95	103
240-24200-8	MW-30	108	80	94	103
240-24200-9	TRIP BLANK 4(TB4)	105	84	92	99
240-24200-10	DUPLICATE 1	106	84	92	97
240-24200-11	TRIP BLANK 3(TB3)	112	90	97	105
LCS 240-86639/4	Lab Control Sample	95	88	97	96
LCS 240-86761/4	Lab Control Sample	107	102	98	102
MB 240-86639/6	Method Blank	100	86	90	94
MB 240-86761/6	Method Blank	106	84	94	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)
240-24200-1	MW-27I	61	70	81	60	74	43
240-24200-2	MW-26S	65	70	87	63	78	48
240-24200-4	MW-25S	65	72	82	64	77	52
240-24200-5	MW-10I	64	68	85	62	72	47
240-24200-7	MW-12I	40	66	77	66	72	13 X
240-24200-8	MW-30	69	73	87	72	75	29
240-24200-10	DUPLICATE 1	57	60	71	59	62	35
LCS 240-85971/22-A	Lab Control Sample	74	82	76	77	84	58
LCS 240-86125/22-A	Lab Control Sample	58	60	67	61	61	45
MB 240-85971/21-A	Method Blank	66	72	78	67	76	53
MB 240-86125/21-A	Method Blank	69	77	86	72	78	55

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 240-86639/6
Matrix: Water
Analysis Batch: 86639

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 03:20	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 03:20	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 03:20	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 03:20	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 03:20	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 03:20	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 03:20	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 03:20	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 03:20	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 03:20	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 03:20	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 03:20	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 03:20	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 03:20	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 03:20	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 03:20	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 03:20	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 03:20	1
Methylene Chloride	0.473	J	1.0	0.33	ug/L			05/21/13 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 03:20	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 03:20	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 03:20	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 03:20	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 03:20	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 03:20	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 03:20	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 03:20	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 03:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 03:20	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 03:20	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 03:20	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 03:20	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 03:20	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 03:20	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 03:20	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 03:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 03:20	1
1,2,4-Trichlorobenzene	0.277	J	1.0	0.15	ug/L			05/21/13 03:20	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 03:20	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 03:20	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 03:20	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 03:20	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 03:20	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 03:20	1

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

Lab Sample ID: MB 240-86639/6
Matrix: Water
Analysis Batch: 86639

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.430	J	ug/L		12.89	87-68-3		05/21/13 03:20	1
Naphthalene	0.259	J	ug/L		13.00	91-20-3		05/21/13 03:20	1
1,2,3-Trichlorobenzene	0.411	J	ug/L		13.26	87-61-6		05/21/13 03:20	1
Tentatively Identified Compound	None		ug/L					05/21/13 03:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		63 - 129		05/21/13 03:20	1
4-Bromofluorobenzene (Surr)	86		66 - 117		05/21/13 03:20	1
Toluene-d8 (Surr)	90		74 - 115		05/21/13 03:20	1
Dibromofluoromethane (Surr)	94		75 - 121		05/21/13 03:20	1

Lab Sample ID: LCS 240-86639/4
Matrix: Water
Analysis Batch: 86639

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.1		ug/L		76	43 - 136
Benzene	10.0	9.51		ug/L		95	83 - 112
Dichlorobromomethane	10.0	9.87		ug/L		99	72 - 121
Bromoform	10.0	7.62		ug/L		76	40 - 131
Bromomethane	10.0	9.40		ug/L		94	11 - 185
2-Butanone (MEK)	20.0	14.5		ug/L		73	60 - 126
Carbon disulfide	10.0	9.02		ug/L		90	62 - 142
Carbon tetrachloride	10.0	10.6		ug/L		106	66 - 128
Chlorobenzene	10.0	9.22		ug/L		92	85 - 110
Chloroethane	10.0	9.12		ug/L		91	25 - 153
Chloroform	10.0	10.0		ug/L		100	79 - 117
Chloromethane	10.0	9.12		ug/L		91	44 - 126
1,1-Dichloroethane	10.0	9.72		ug/L		97	82 - 115
1,2-Dichloroethane	10.0	10.2		ug/L		102	71 - 127
1,1-Dichloroethene	10.0	9.69		ug/L		97	78 - 131
1,2-Dichloropropane	10.0	9.56		ug/L		96	81 - 115
cis-1,3-Dichloropropene	10.0	8.51		ug/L		85	61 - 115
trans-1,3-Dichloropropene	10.0	8.34		ug/L		83	58 - 117
Ethylbenzene	10.0	9.01		ug/L		90	83 - 112
2-Hexanone	20.0	15.8		ug/L		79	55 - 133
Methylene Chloride	10.0	9.80		ug/L		98	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	15.5		ug/L		77	63 - 128
Styrene	10.0	8.97		ug/L		90	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.77		ug/L		98	68 - 118
Tetrachloroethene	10.0	9.02		ug/L		90	79 - 114
Toluene	10.0	9.15		ug/L		91	84 - 111
Trichloroethene	10.0	9.26		ug/L		93	76 - 117
Vinyl chloride	10.0	9.75		ug/L		97	53 - 127
Xylenes, Total	30.0	26.3		ug/L		88	83 - 112
1,1,1-Trichloroethane	10.0	9.51		ug/L		95	74 - 118
1,1,2-Trichloroethane	10.0	9.70		ug/L		97	80 - 112

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

Lab Sample ID: LCS 240-86639/4
Matrix: Water
Analysis Batch: 86639

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	10.0	8.67		ug/L		87	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	5.78		ug/L		58	42 - 136
Ethylene Dibromide	10.0	9.47		ug/L		95	79 - 113
Dichlorodifluoromethane	10.0	8.31		ug/L		83	19 - 129
cis-1,2-Dichloroethene	10.0	9.40		ug/L		94	80 - 113
trans-1,2-Dichloroethene	10.0	9.17		ug/L		92	83 - 117
Isopropylbenzene	10.0	7.85		ug/L		78	75 - 114
Methyl acetate	10.0	9.73	J	ug/L		97	58 - 131
Methyl tert-butyl ether	10.0	8.27		ug/L		83	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.5		ug/L		105	74 - 151
1,2,4-Trichlorobenzene	10.0	5.67		ug/L		57	48 - 135
1,2-Dichlorobenzene	10.0	8.13		ug/L		81	81 - 110
1,3-Dichlorobenzene	10.0	8.55		ug/L		85	80 - 110
1,4-Dichlorobenzene	10.0	8.49		ug/L		85	82 - 110
Trichlorofluoromethane	10.0	12.6		ug/L		126	49 - 157
Chlorodibromomethane	10.0	9.19		ug/L		92	64 - 119
Methylcyclohexane	10.0	7.97		ug/L		80	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*
Toluene-d8 (Surr)	*97*		*74 - 115*
Dibromofluoromethane (Surr)	*96*		*75 - 121*

Lab Sample ID: MB 240-86761/6
Matrix: Water
Analysis Batch: 86761

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 15:45	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 15:45	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 15:45	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 15:45	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 15:45	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 15:45	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 15:45	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 15:45	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 15:45	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 15:45	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 15:45	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 15:45	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 15:45	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 15:45	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 15:45	1

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

Lab Sample ID: MB 240-86761/6
Matrix: Water
Analysis Batch: 86761

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 15:45	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 15:45	1
Methylene Chloride	0.401	J	1.0	0.33	ug/L			05/21/13 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 15:45	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 15:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 15:45	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 15:45	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 15:45	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 15:45	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 15:45	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 15:45	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 15:45	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 15:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 15:45	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 15:45	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 15:45	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 15:45	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 15:45	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 15:45	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 15:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 15:45	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 15:45	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 15:45	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 15:45	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 15:45	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/21/13 15:45*	*1*

Surrogate	*%Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*63 - 129*		*05/21/13 15:45*	*1*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*05/21/13 15:45*	*1*
Toluene-d8 (Surr)	*94*		*74 - 115*		*05/21/13 15:45*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 121*		*05/21/13 15:45*	*1*

Lab Sample ID: LCS 240-86761/4
Matrix: Water
Analysis Batch: 86761

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	24.8		ug/L		124	43 - 136
Benzene	10.0	10.3		ug/L		103	83 - 112

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

Lab Sample ID: LCS 240-86761/4
Matrix: Water
Analysis Batch: 86761

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	10.0	10.6		ug/L		106	72 - 121
Bromoform	10.0	8.35		ug/L		84	40 - 131
Bromomethane	10.0	6.93		ug/L		69	11 - 185
2-Butanone (MEK)	20.0	20.1		ug/L		100	60 - 126
Carbon disulfide	10.0	9.21		ug/L		92	62 - 142
Carbon tetrachloride	10.0	11.1		ug/L		111	66 - 128
Chlorobenzene	10.0	9.57		ug/L		96	85 - 110
Chloroethane	10.0	6.93		ug/L		69	25 - 153
Chloroform	10.0	10.6		ug/L		106	79 - 117
Chloromethane	10.0	10.3		ug/L		103	44 - 126
1,1-Dichloroethane	10.0	10.5		ug/L		105	82 - 115
1,2-Dichloroethane	10.0	11.1		ug/L		111	71 - 127
1,1-Dichloroethene	10.0	10.7		ug/L		107	78 - 131
1,2-Dichloropropane	10.0	10.2		ug/L		102	81 - 115
cis-1,3-Dichloropropene	10.0	9.25		ug/L		93	61 - 115
trans-1,3-Dichloropropene	10.0	8.52		ug/L		85	58 - 117
Ethylbenzene	10.0	9.69		ug/L		97	83 - 112
2-Hexanone	20.0	19.1		ug/L		95	55 - 133
Methylene Chloride	10.0	10.1		ug/L		101	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.3		ug/L		96	63 - 128
Styrene	10.0	9.89		ug/L		99	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.93		ug/L		99	68 - 118
Tetrachloroethene	10.0	9.60		ug/L		96	79 - 114
Toluene	10.0	9.66		ug/L		97	84 - 111
Trichloroethene	10.0	10.2		ug/L		102	76 - 117
Vinyl chloride	10.0	10.2		ug/L		102	53 - 127
Xylenes, Total	30.0	28.8		ug/L		96	83 - 112
1,1,1-Trichloroethane	10.0	10.2		ug/L		102	74 - 118
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	80 - 112
Cyclohexane	10.0	10.3		ug/L		103	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.29		ug/L		73	42 - 136
Ethylene Dibromide	10.0	9.85		ug/L		99	79 - 113
Dichlorodifluoromethane	10.0	9.68		ug/L		97	19 - 129
cis-1,2-Dichloroethene	10.0	9.90		ug/L		99	80 - 113
trans-1,2-Dichloroethene	10.0	10.0		ug/L		100	83 - 117
Isopropylbenzene	10.0	9.47		ug/L		95	75 - 114
Methyl acetate	10.0	11.2		ug/L		112	58 - 131
Methyl tert-butyl ether	10.0	9.17		ug/L		92	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.6		ug/L		126	74 - 151
1,2,4-Trichlorobenzene	10.0	7.17		ug/L		72	48 - 135
1,2-Dichlorobenzene	10.0	9.05		ug/L		91	81 - 110
1,3-Dichlorobenzene	10.0	9.26		ug/L		93	80 - 110
1,4-Dichlorobenzene	10.0	9.20		ug/L		92	82 - 110
Trichlorofluoromethane	10.0	12.0		ug/L		120	49 - 157
Chlorodibromomethane	10.0	9.15		ug/L		92	64 - 119
Methylcyclohexane	10.0	9.89		ug/L		99	56 - 127

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

Lab Sample ID: LCS 240-86761/4
Matrix: Water
Analysis Batch: 86761

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*
Toluene-d8 (Surr)	*98*		*74 - 115*
Dibromofluoromethane (Surr)	*102*		*75 - 121*

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

Lab Sample ID: MB 240-85971/21-A
Matrix: Water
Analysis Batch: 86832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/15/13 09:16	05/21/13 18:31	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/15/13 09:16	05/21/13 18:31	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/15/13 09:16	05/21/13 18:31	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/15/13 09:16	05/21/13 18:31	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/15/13 09:16	05/21/13 18:31	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/15/13 09:16	05/21/13 18:31	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/15/13 09:16	05/21/13 18:31	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/15/13 09:16	05/21/13 18:31	1
Acenaphthene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Acetophenone	ND		1.0	0.34	ug/L		05/15/13 09:16	05/21/13 18:31	1
Anthracene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Atrazine	ND		1.0	0.34	ug/L		05/15/13 09:16	05/21/13 18:31	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/15/13 09:16	05/21/13 18:31	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/15/13 09:16	05/21/13 18:31	1

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

Lab Sample ID: MB 240-85971/21-A
Matrix: Water
Analysis Batch: 86832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
Caprolactam	ND		5.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
Carbazole	ND		1.0	0.28	ug/L		05/15/13 09:16	05/21/13 18:31	1
Chrysene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/15/13 09:16	05/21/13 18:31	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/15/13 09:16	05/21/13 18:31	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/15/13 09:16	05/21/13 18:31	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
Fluoranthene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Fluorene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/15/13 09:16	05/21/13 18:31	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Isophorone	ND		1.0	0.27	ug/L		05/15/13 09:16	05/21/13 18:31	1
Naphthalene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/15/13 09:16	05/21/13 18:31	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/15/13 09:16	05/21/13 18:31	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/15/13 09:16	05/21/13 18:31	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/15/13 09:16	05/21/13 18:31	1
Phenol	ND		1.0	0.60	ug/L		05/15/13 09:16	05/21/13 18:31	1
Phenanthrene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
Pyrene	ND		0.20	0.10	ug/L		05/15/13 09:16	05/21/13 18:31	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/15/13 09:16	05/21/13 18:31	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*05/15/13 09:16*	*05/21/13 18:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*20 - 110*	*05/15/13 09:16*	*05/21/13 18:31*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 110*	*05/15/13 09:16*	*05/21/13 18:31*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*21 - 110*	*05/15/13 09:16*	*05/21/13 18:31*	*1*
Nitrobenzene-d5 (Surr)	*67*		*21 - 110*	*05/15/13 09:16*	*05/21/13 18:31*	*1*
Phenol-d5 (Surr)	*76*		*21 - 110*	*05/15/13 09:16*	*05/21/13 18:31*	*1*
Terphenyl-d14 (Surr)	*53*		*24 - 110*	*05/15/13 09:16*	*05/21/13 18:31*	*1*

Lab Sample ID: LCS 240-85971/22-A
Matrix: Water
Analysis Batch: 86832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	15.5		ug/L		78	43 - 110

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

Lab Sample ID: LCS 240-85971/22-A
Matrix: Water
Analysis Batch: 86832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2'-oxybis[1-chloropropane]	20.0	17.2		ug/L		86	37 - 110
2,4,5-Trichlorophenol	20.0	17.5		ug/L		87	48 - 110
2,4,6-Trichlorophenol	20.0	17.1		ug/L		85	45 - 110
2,4-Dichlorophenol	20.0	16.9		ug/L		84	41 - 110
2,4-Dimethylphenol	20.0	11.5		ug/L		57	32 - 110
2,4-Dinitrophenol	40.0	29.3		ug/L		73	10 - 110
2,4-Dinitrotoluene	20.0	17.4		ug/L		87	53 - 110
2-Chloronaphthalene	20.0	15.5		ug/L		78	43 - 110
2-Chlorophenol	20.0	17.6		ug/L		88	29 - 110
2-Methylnaphthalene	20.0	15.4		ug/L		77	45 - 110
2-Methylphenol	20.0	16.7		ug/L		83	42 - 110
2-Nitroaniline	20.0	18.4		ug/L		92	54 - 110
2-Nitrophenol	20.0	17.0		ug/L		85	40 - 110
3,3'-Dichlorobenzidine	40.0	28.0		ug/L		70	22 - 110
3-Nitroaniline	20.0	16.9		ug/L		85	53 - 110
4,6-Dinitro-2-methylphenol	40.0	35.5		ug/L		89	31 - 110
4-Bromophenyl phenyl ether	20.0	17.6		ug/L		88	45 - 110
4-Chloro-3-methylphenol	20.0	17.0		ug/L		85	52 - 110
4-Chloroaniline	20.0	16.6		ug/L		83	44 - 110
4-Chlorophenyl phenyl ether	20.0	17.7		ug/L		88	47 - 110
4-Nitroaniline	20.0	18.4		ug/L		92	54 - 110
4-Nitrophenol	40.0	37.4		ug/L		94	33 - 112
Acenaphthene	20.0	16.1		ug/L		81	47 - 110
Acenaphthylene	20.0	16.2		ug/L		81	49 - 110
Anthracene	20.0	17.1		ug/L		86	52 - 110
Benzo[a]anthracene	20.0	16.7		ug/L		83	52 - 110
Benzo[a]pyrene	20.0	15.6		ug/L		78	44 - 110
Benzo[b]fluoranthene	20.0	16.7		ug/L		83	48 - 110
Benzo[g,h,i]perylene	20.0	16.5		ug/L		83	50 - 110
Benzo[k]fluoranthene	20.0	16.7		ug/L		83	49 - 110
Bis(2-chloroethoxy)methane	20.0	17.4		ug/L		87	43 - 110
Bis(2-chloroethyl)ether	20.0	17.6		ug/L		88	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	18.1		ug/L		90	39 - 116
Butyl benzyl phthalate	20.0	18.2		ug/L		91	55 - 110
Caprolactam	40.0	33.8		ug/L		84	45 - 111
Carbazole	20.0	18.4		ug/L		92	55 - 110
Chrysene	20.0	16.7		ug/L		83	55 - 110
Dibenz(a,h)anthracene	20.0	16.8		ug/L		84	49 - 110
Dibenzofuran	20.0	16.6		ug/L		83	51 - 110
Diethyl phthalate	20.0	16.4		ug/L		82	58 - 110
Dimethyl phthalate	20.0	18.3		ug/L		91	57 - 110
Di-n-butyl phthalate	20.0	19.3		ug/L		97	57 - 110
Di-n-octyl phthalate	20.0	15.7		ug/L		79	40 - 110
Fluoranthene	20.0	19.1		ug/L		96	54 - 110
Fluorene	20.0	17.3		ug/L		86	52 - 110
Hexachlorobenzene	20.0	19.3		ug/L		96	50 - 110
Hexachlorobutadiene	20.0	11.8		ug/L		59	33 - 110
Hexachlorocyclopentadiene	20.0	2.07	J	ug/L		10	10 - 110

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

Lab Sample ID: LCS 240-85971/22-A
Matrix: Water
Analysis Batch: 86832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	20.0	12.1		ug/L		61	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	16.9		ug/L		85	50 - 110
Isophorone	20.0	17.4		ug/L		87	49 - 110
Naphthalene	20.0	15.1		ug/L		76	44 - 110
N-Nitrosodi-n-propylamine	20.0	17.9		ug/L		89	47 - 110
N-Nitrosodiphenylamine	40.0	32.8		ug/L		82	50 - 110
Pentachlorophenol	40.0	36.5		ug/L		91	18 - 110
Phenol	20.0	17.6		ug/L		88	33 - 110
Phenanthrene	20.0	16.6		ug/L		83	53 - 110
Pyrene	20.0	17.8		ug/L		89	52 - 110
3 & 4 Methylphenol	20.0	17.5		ug/L		88	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*20 - 110*
2-Fluorophenol (Surr)	*82*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*76*		*21 - 110*
Nitrobenzene-d5 (Surr)	*77*		*21 - 110*
Phenol-d5 (Surr)	*84*		*21 - 110*
Terphenyl-d14 (Surr)	*58*		*24 - 110*

Lab Sample ID: MB 240-86125/21-A
Matrix: Water
Analysis Batch: 86459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/16/13 08:46	05/18/13 11:37	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/16/13 08:46	05/18/13 11:37	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/16/13 08:46	05/18/13 11:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/16/13 08:46	05/18/13 11:37	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/16/13 08:46	05/18/13 11:37	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/16/13 08:46	05/18/13 11:37	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/16/13 08:46	05/18/13 11:37	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1

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

Lab Sample ID: MB 240-86125/21-A
Matrix: Water
Analysis Batch: 86459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		5.0	2.4	ug/L		05/16/13 08:46	05/18/13 11:37	1
Acenaphthene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Acetophenone	ND		1.0	0.34	ug/L		05/16/13 08:46	05/18/13 11:37	1
Anthracene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Atrazine	ND		1.0	0.34	ug/L		05/16/13 08:46	05/18/13 11:37	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/16/13 08:46	05/18/13 11:37	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/16/13 08:46	05/18/13 11:37	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
Caprolactam	ND		5.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
Carbazole	ND		1.0	0.28	ug/L		05/16/13 08:46	05/18/13 11:37	1
Chrysene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/16/13 08:46	05/18/13 11:37	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/16/13 08:46	05/18/13 11:37	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/16/13 08:46	05/18/13 11:37	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
Fluoranthene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Fluorene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/16/13 08:46	05/18/13 11:37	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Isophorone	ND		1.0	0.27	ug/L		05/16/13 08:46	05/18/13 11:37	1
Naphthalene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/16/13 08:46	05/18/13 11:37	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/16/13 08:46	05/18/13 11:37	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/16/13 08:46	05/18/13 11:37	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/16/13 08:46	05/18/13 11:37	1
Phenol	ND		1.0	0.60	ug/L		05/16/13 08:46	05/18/13 11:37	1
Phenanthrene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
Pyrene	ND		0.20	0.10	ug/L		05/16/13 08:46	05/18/13 11:37	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/16/13 08:46	05/18/13 11:37	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.345*	*T J*	*ug/L*		*4.34*		*05/16/13 08:46*	*05/18/13 11:37*	*1*
Unknown	*0.542*	*T J*	*ug/L*		*5.20*		*05/16/13 08:46*	*05/18/13 11:37*	*1*
Unknown	*0.368*	*T J*	*ug/L*		*5.78*		*05/16/13 08:46*	*05/18/13 11:37*	*1*
Unknown	*18.7*	*T J*	*ug/L*		*6.52*		*05/16/13 08:46*	*05/18/13 11:37*	*1*

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

Lab Sample ID: MB 240-86125/21-A
Matrix: Water
Analysis Batch: 86459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86125

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	11.5	T J	ug/L		6.85		05/16/13 08:46	05/18/13 11:37	1
Unknown	0.293	T J	ug/L		7.27		05/16/13 08:46	05/18/13 11:37	1
Unknown	0.826	T J	ug/L		7.73		05/16/13 08:46	05/18/13 11:37	1
Unknown	0.621	T J	ug/L		8.05		05/16/13 08:46	05/18/13 11:37	1
Unknown	0.290	T J	ug/L		8.16		05/16/13 08:46	05/18/13 11:37	1
Unknown	0.403	T J	ug/L		9.60		05/16/13 08:46	05/18/13 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		20 - 110	05/16/13 08:46	05/18/13 11:37	1
2-Fluorophenol (Surr)	77		10 - 110	05/16/13 08:46	05/18/13 11:37	1
2,4,6-Tribromophenol (Surr)	86		21 - 110	05/16/13 08:46	05/18/13 11:37	1
Nitrobenzene-d5 (Surr)	72		21 - 110	05/16/13 08:46	05/18/13 11:37	1
Phenol-d5 (Surr)	78		21 - 110	05/16/13 08:46	05/18/13 11:37	1
Terphenyl-d14 (Surr)	55		24 - 110	05/16/13 08:46	05/18/13 11:37	1

Lab Sample ID: LCS 240-86125/22-A
Matrix: Water
Analysis Batch: 86459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	12.1		ug/L		61	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	13.3		ug/L		67	37 - 110
2,4,5-Trichlorophenol	20.0	13.0		ug/L		65	48 - 110
2,4,6-Trichlorophenol	20.0	13.2		ug/L		66	45 - 110
2,4-Dichlorophenol	20.0	13.4		ug/L		67	41 - 110
2,4-Dimethylphenol	20.0	9.35		ug/L		47	32 - 110
2,4-Dinitrophenol	40.0	20.9		ug/L		52	10 - 110
2,4-Dinitrotoluene	20.0	14.5		ug/L		73	53 - 110
2-Chloronaphthalene	20.0	12.1		ug/L		61	43 - 110
2-Chlorophenol	20.0	13.3		ug/L		66	29 - 110
2-Methylnaphthalene	20.0	11.8		ug/L		59	45 - 110
2-Methylphenol	20.0	13.1		ug/L		65	42 - 110
2-Nitroaniline	20.0	15.1		ug/L		76	54 - 110
2-Nitrophenol	20.0	13.5		ug/L		67	40 - 110
3,3'-Dichlorobenzidine	40.0	22.3		ug/L		56	22 - 110
3-Nitroaniline	20.0	14.1		ug/L		70	53 - 110
4,6-Dinitro-2-methylphenol	40.0	27.5		ug/L		69	31 - 110
4-Bromophenyl phenyl ether	20.0	16.4		ug/L		82	45 - 110
4-Chloro-3-methylphenol	20.0	14.2		ug/L		71	52 - 110
4-Chloroaniline	20.0	12.6		ug/L		63	44 - 110
4-Chlorophenyl phenyl ether	20.0	14.0		ug/L		70	47 - 110
4-Nitroaniline	20.0	14.6		ug/L		73	54 - 110
4-Nitrophenol	40.0	30.7		ug/L		77	33 - 112
Acenaphthene	20.0	12.7		ug/L		64	47 - 110
Acenaphthylene	20.0	12.9		ug/L		64	49 - 110
Anthracene	20.0	13.5		ug/L		67	52 - 110
Benzo[a]anthracene	20.0	13.3		ug/L		66	52 - 110

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

Lab Sample ID: LCS 240-86125/22-A
Matrix: Water
Analysis Batch: 86459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	20.0	13.0		ug/L		65	44 - 110
Benzo[b]fluoranthene	20.0	13.6		ug/L		68	48 - 110
Benzo[g,h,i]perylene	20.0	12.9		ug/L		64	50 - 110
Benzo[k]fluoranthene	20.0	13.4		ug/L		67	49 - 110
Bis(2-chloroethoxy)methane	20.0	13.2		ug/L		66	43 - 110
Bis(2-chloroethyl)ether	20.0	12.4		ug/L		62	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.1		ug/L		75	39 - 116
Butyl benzyl phthalate	20.0	14.6		ug/L		73	55 - 110
Caprolactam	40.0	27.3		ug/L		68	45 - 111
Carbazole	20.0	15.5		ug/L		77	55 - 110
Chrysene	20.0	13.3		ug/L		67	55 - 110
Dibenz(a,h)anthracene	20.0	14.1		ug/L		70	49 - 110
Dibenzofuran	20.0	13.1		ug/L		65	51 - 110
Diethyl phthalate	20.0	14.5		ug/L		72	58 - 110
Dimethyl phthalate	20.0	15.1		ug/L		76	57 - 110
Di-n-butyl phthalate	20.0	16.9		ug/L		85	57 - 110
Di-n-octyl phthalate	20.0	14.8		ug/L		74	40 - 110
Fluoranthene	20.0	15.5		ug/L		78	54 - 110
Fluorene	20.0	14.0		ug/L		70	52 - 110
Hexachlorobenzene	20.0	15.7		ug/L		78	50 - 110
Hexachlorobutadiene	20.0	8.76		ug/L		44	33 - 110
Hexachlorocyclopentadiene	20.0	ND	*	ug/L		0.8	10 - 110
Hexachloroethane	20.0	8.50		ug/L		43	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	13.4		ug/L		67	50 - 110
Isophorone	20.0	13.5		ug/L		67	49 - 110
Naphthalene	20.0	11.9		ug/L		60	44 - 110
N-Nitrosodi-n-propylamine	20.0	13.2		ug/L		66	47 - 110
N-Nitrosodiphenylamine	40.0	31.2		ug/L		78	50 - 110
Pentachlorophenol	40.0	25.0		ug/L		62	18 - 110
Phenol	20.0	12.7		ug/L		63	33 - 110
Phenanthrene	20.0	13.2		ug/L		66	53 - 110
Pyrene	20.0	13.9		ug/L		69	52 - 110
3 & 4 Methylphenol	20.0	13.6		ug/L		68	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*58*		*20 - 110*
2-Fluorophenol (Surr)	*60*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*67*		*21 - 110*
Nitrobenzene-d5 (Surr)	*61*		*21 - 110*
Phenol-d5 (Surr)	*61*		*21 - 110*
Terphenyl-d14 (Surr)	*45*		*24 - 110*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-85431/1-A
Matrix: Water
Analysis Batch: 85754

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.345	J	2.0	0.11	ug/L		05/10/13 09:13	05/13/13 12:39	1
Arsenic	0.0930	J	3.0	0.063	ug/L		05/10/13 09:13	05/13/13 12:39	1
Barium	0.579	J	1.0	0.32	ug/L		05/10/13 09:13	05/13/13 12:39	1
Beryllium	ND		1.0	0.031	ug/L		05/10/13 09:13	05/13/13 12:39	1
Calcium	183	J	1000	27	ug/L		05/10/13 09:13	05/13/13 12:39	1
Cadmium	ND		1.0	0.026	ug/L		05/10/13 09:13	05/13/13 12:39	1
Cobalt	ND		1.0	0.020	ug/L		05/10/13 09:13	05/13/13 12:39	1
Chromium	0.384	J	2.0	0.13	ug/L		05/10/13 09:13	05/13/13 12:39	1
Copper	0.614	J	2.0	0.24	ug/L		05/10/13 09:13	05/13/13 12:39	1
Iron	34.4	J	100	12	ug/L		05/10/13 09:13	05/13/13 12:39	1
Magnesium	44.9	J	1000	15	ug/L		05/10/13 09:13	05/13/13 12:39	1
Potassium	6.60	J	1000	5.1	ug/L		05/10/13 09:13	05/13/13 12:39	1
Manganese	2.45	J	5.0	0.41	ug/L		05/10/13 09:13	05/13/13 12:39	1
Nickel	0.293	J	2.0	0.088	ug/L		05/10/13 09:13	05/13/13 12:39	1
Lead	ND		1.0	0.14	ug/L		05/10/13 09:13	05/13/13 12:39	1
Selenium	ND		5.0	0.34	ug/L		05/10/13 09:13	05/13/13 12:39	1
Thallium	ND		1.0	0.40	ug/L		05/10/13 09:13	05/13/13 12:39	1
Zinc	8.55	J	20	2.1	ug/L		05/10/13 09:13	05/13/13 12:39	1
Silver	ND		1.0	0.0083	ug/L		05/10/13 09:13	05/13/13 12:39	1
Sodium	45.3	J	1000	4.2	ug/L		05/10/13 09:13	05/13/13 12:39	1

Lab Sample ID: MB 240-85431/1-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/10/13 09:13	05/14/13 10:05	1

Lab Sample ID: LCS 240-85431/2-A
Matrix: Water
Analysis Batch: 85754

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	100	92.9		ug/L		93	80 - 120
Arsenic	1000	989		ug/L		99	80 - 120
Barium	1000	944		ug/L		94	80 - 120
Beryllium	1000	941		ug/L		94	80 - 120
Calcium	10000	10500		ug/L		105	80 - 120
Cadmium	1000	988		ug/L		99	80 - 120
Cobalt	1000	914		ug/L		91	80 - 120
Chromium	1000	947		ug/L		95	80 - 120
Copper	1000	991		ug/L		99	80 - 120
Iron	10000	9540		ug/L		95	80 - 120
Magnesium	10000	9610		ug/L		96	80 - 120
Potassium	10000	9380		ug/L		94	80 - 120
Manganese	1000	980		ug/L		98	80 - 120
Nickel	1000	987		ug/L		99	80 - 120
Lead	1000	889		ug/L		89	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-85431/2-A
Matrix: Water
Analysis Batch: 85754

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	1000	988		ug/L		99	80 - 120
Thallium	250	224		ug/L		90	80 - 120
Zinc	1000	1000		ug/L		100	80 - 120
Silver	100	103		ug/L		103	80 - 120
Sodium	10000	10400		ug/L		104	80 - 120

Lab Sample ID: LCS 240-85431/2-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9290		ug/L		93	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-85445/1-A
Matrix: Water
Analysis Batch: 86041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/10/13 15:50	05/15/13 16:28	1

Lab Sample ID: LCS 240-85445/2-A
Matrix: Water
Analysis Batch: 86041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.82		ug/L		96	81 - 123

Lab Sample ID: 240-24200-1 MS
Matrix: Water
Analysis Batch: 86041

Client Sample ID: MW-27I
Prep Type: Total/NA
Prep Batch: 85445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	0.859		ug/L		86	69 - 134

Lab Sample ID: 240-24200-1 MSD
Matrix: Water
Analysis Batch: 86041

Client Sample ID: MW-27I
Prep Type: Total/NA
Prep Batch: 85445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	0.887		ug/L		89	69 - 134	3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-86393/3
Matrix: Water
Analysis Batch: 86393

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0	0.12	mg/L			05/17/13 15:05	1

Lab Sample ID: LCS 240-86393/4
Matrix: Water
Analysis Batch: 86393

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	46.8		mg/L		94	90 - 110

Lab Sample ID: MB 240-86569/3
Matrix: Water
Analysis Batch: 86569

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/20/13 14:33	1

Lab Sample ID: LCS 240-86569/4
Matrix: Water
Analysis Batch: 86569

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.9		mg/L		96	90 - 110

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-86219/7
Matrix: Water
Analysis Batch: 86219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.20	0.035	mg/L			05/16/13 09:26	1

Lab Sample ID: LCS 240-86219/8
Matrix: Water
Analysis Batch: 86219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	6.86	6.32		mg/L		92	85 - 114

Lab Sample ID: 240-24200-4 MS
Matrix: Water
Analysis Batch: 86219

Client Sample ID: MW-25S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	0.064	J	2.50	2.65		mg/L		103	75 - 125

Method: 350.3 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 240-24200-4 MSD
Matrix: Water
Analysis Batch: 86219

Client Sample ID: MW-25S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	0.064	J	2.50	2.70		mg/L		105	75 - 125	2	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 180-72545/16
Matrix: Water
Analysis Batch: 72545

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:21	1

Lab Sample ID: LCS 180-72545/15
Matrix: Water
Analysis Batch: 72545

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	4.00	4.14		mg/L		104	90 - 110

Lab Sample ID: 240-24200-1 MS
Matrix: Water
Analysis Batch: 72545

Client Sample ID: MW-27I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	ND		2.00	2.04		mg/L		102	90 - 110

Lab Sample ID: 240-24200-1 MSD
Matrix: Water
Analysis Batch: 72545

Client Sample ID: MW-27I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		2.00	2.08		mg/L		104	90 - 110	2	20

Method: 376.1 - Sulfide

Lab Sample ID: MB 240-85997/1
Matrix: Water
Analysis Batch: 85997

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			05/15/13 10:42	1

Lab Sample ID: LCS 240-85997/2
Matrix: Water
Analysis Batch: 85997

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	17.1	17.1		mg/L		100	79 - 110

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-85815/1-A
Matrix: Water
Analysis Batch: 85886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/14/13 10:05	05/14/13 14:01	1

Lab Sample ID: LCS 240-85815/2-A
Matrix: Water
Analysis Batch: 85886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0539		mg/L		104	69 - 118

Method: SM 3500 FE D - Iron, Ferrous

Lab Sample ID: MB 240-85480/3
Matrix: Water
Analysis Batch: 85480

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.050	0.018	mg/L			05/10/13 10:39	1

Lab Sample ID: LCS 240-85480/4
Matrix: Water
Analysis Batch: 85480

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	1.00	0.990		mg/L		99	86 - 117

GC/MS VOA

Analysis Batch: 86639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	8260B	
240-24200-2	MW-26S	Total/NA	Water	8260B	
240-24200-3	TRIP BLANK 1(TB1)	Total/NA	Water	8260B	
240-24200-4	MW-25S	Total/NA	Water	8260B	
240-24200-5	MW-10I	Total/NA	Water	8260B	
240-24200-6	TRIP BLANK 2(TB2)	Total/NA	Water	8260B	
240-24200-8	MW-30	Total/NA	Water	8260B	
LCS 240-86639/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-86639/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 86761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-7	MW-12I	Total/NA	Water	8260B	
240-24200-9	TRIP BLANK 4(TB4)	Total/NA	Water	8260B	
240-24200-10	DUPLICATE 1	Total/NA	Water	8260B	
240-24200-11	TRIP BLANK 3(TB3)	Total/NA	Water	8260B	
LCS 240-86761/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-86761/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 85971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	3520C	
240-24200-2	MW-26S	Total/NA	Water	3520C	
240-24200-4	MW-25S	Total/NA	Water	3520C	
240-24200-5	MW-10I	Total/NA	Water	3520C	
LCS 240-85971/22-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-85971/21-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 86125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-7	MW-12I	Total/NA	Water	3520C	
240-24200-8	MW-30	Total/NA	Water	3520C	
240-24200-10	DUPLICATE 1	Total/NA	Water	3520C	
LCS 240-86125/22-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-86125/21-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 86459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-7	MW-12I	Total/NA	Water	8270C	86125
240-24200-8	MW-30	Total/NA	Water	8270C	86125
240-24200-10	DUPLICATE 1	Total/NA	Water	8270C	86125
LCS 240-86125/22-A	Lab Control Sample	Total/NA	Water	8270C	86125
MB 240-86125/21-A	Method Blank	Total/NA	Water	8270C	86125

Analysis Batch: 86832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	8270C	85971
240-24200-2	MW-26S	Total/NA	Water	8270C	85971

GC/MS Semi VOA (Continued)

Analysis Batch: 86832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-4	MW-25S	Total/NA	Water	8270C	85971
240-24200-5	MW-10I	Total/NA	Water	8270C	85971
LCS 240-85971/22-A	Lab Control Sample	Total/NA	Water	8270C	85971
MB 240-85971/21-A	Method Blank	Total/NA	Water	8270C	85971

Metals

Prep Batch: 85431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total Recoverable	Water	3005A	
240-24200-2	MW-26S	Total Recoverable	Water	3005A	
240-24200-4	MW-25S	Total Recoverable	Water	3005A	
240-24200-5	MW-10I	Total Recoverable	Water	3005A	
240-24200-7	MW-12I	Total Recoverable	Water	3005A	
240-24200-8	MW-30	Total Recoverable	Water	3005A	
240-24200-10	DUPLICATE 1	Total Recoverable	Water	3005A	
LCS 240-85431/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-85431/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 85445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	7470A	
240-24200-1 MS	MW-27I	Total/NA	Water	7470A	
240-24200-1 MSD	MW-27I	Total/NA	Water	7470A	
240-24200-2	MW-26S	Total/NA	Water	7470A	
240-24200-4	MW-25S	Total/NA	Water	7470A	
240-24200-5	MW-10I	Total/NA	Water	7470A	
240-24200-7	MW-12I	Total/NA	Water	7470A	
240-24200-8	MW-30	Total/NA	Water	7470A	
240-24200-10	DUPLICATE 1	Total/NA	Water	7470A	
LCS 240-85445/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-85445/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 85754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total Recoverable	Water	6020	85431
240-24200-2	MW-26S	Total Recoverable	Water	6020	85431
240-24200-4	MW-25S	Total Recoverable	Water	6020	85431
240-24200-5	MW-10I	Total Recoverable	Water	6020	85431
240-24200-7	MW-12I	Total Recoverable	Water	6020	85431
240-24200-8	MW-30	Total Recoverable	Water	6020	85431
240-24200-10	DUPLICATE 1	Total Recoverable	Water	6020	85431
LCS 240-85431/2-A	Lab Control Sample	Total Recoverable	Water	6020	85431
MB 240-85431/1-A	Method Blank	Total Recoverable	Water	6020	85431

Analysis Batch: 85934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total Recoverable	Water	6020	85431
240-24200-2	MW-26S	Total Recoverable	Water	6020	85431
240-24200-4	MW-25S	Total Recoverable	Water	6020	85431

Metals (Continued)

Analysis Batch: 85934 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-5	MW-10I	Total Recoverable	Water	6020	85431
240-24200-7	MW-12I	Total Recoverable	Water	6020	85431
240-24200-8	MW-30	Total Recoverable	Water	6020	85431
240-24200-10	DUPLICATE 1	Total Recoverable	Water	6020	85431
LCS 240-85431/2-A	Lab Control Sample	Total Recoverable	Water	6020	85431
MB 240-85431/1-A	Method Blank	Total Recoverable	Water	6020	85431

Analysis Batch: 86041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	7470A	85445
240-24200-1 MS	MW-27I	Total/NA	Water	7470A	85445
240-24200-1 MSD	MW-27I	Total/NA	Water	7470A	85445
240-24200-2	MW-26S	Total/NA	Water	7470A	85445
240-24200-4	MW-25S	Total/NA	Water	7470A	85445
240-24200-5	MW-10I	Total/NA	Water	7470A	85445
240-24200-7	MW-12I	Total/NA	Water	7470A	85445
240-24200-8	MW-30	Total/NA	Water	7470A	85445
240-24200-10	DUPLICATE 1	Total/NA	Water	7470A	85445
LCS 240-85445/2-A	Lab Control Sample	Total/NA	Water	7470A	85445
MB 240-85445/1-A	Method Blank	Total/NA	Water	7470A	85445

General Chemistry

Analysis Batch: 72545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	353.2	
240-24200-1 MS	MW-27I	Total/NA	Water	353.2	
240-24200-1 MSD	MW-27I	Total/NA	Water	353.2	
240-24200-2	MW-26S	Total/NA	Water	353.2	
240-24200-4	MW-25S	Total/NA	Water	353.2	
240-24200-5	MW-10I	Total/NA	Water	353.2	
240-24200-7	MW-12I	Total/NA	Water	353.2	
240-24200-8	MW-30	Total/NA	Water	353.2	
240-24200-10	DUPLICATE 1	Total/NA	Water	353.2	
LCS 180-72545/15	Lab Control Sample	Total/NA	Water	353.2	
MB 180-72545/16	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 85480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	SM 3500 FE D	
240-24200-2	MW-26S	Total/NA	Water	SM 3500 FE D	
240-24200-4	MW-25S	Total/NA	Water	SM 3500 FE D	
240-24200-5	MW-10I	Total/NA	Water	SM 3500 FE D	
240-24200-7	MW-12I	Total/NA	Water	SM 3500 FE D	
240-24200-8	MW-30	Total/NA	Water	SM 3500 FE D	
240-24200-10	DUPLICATE 1	Total/NA	Water	SM 3500 FE D	
LCS 240-85480/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MB 240-85480/3	Method Blank	Total/NA	Water	SM 3500 FE D	

General Chemistry (Continued)

Prep Batch: 85815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	9012A	
240-24200-2	MW-26S	Total/NA	Water	9012A	
240-24200-4	MW-25S	Total/NA	Water	9012A	
240-24200-5	MW-10I	Total/NA	Water	9012A	
240-24200-7	MW-12I	Total/NA	Water	9012A	
240-24200-8	MW-30	Total/NA	Water	9012A	
240-24200-10	DUPLICATE 1	Total/NA	Water	9012A	
LCS 240-85815/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-85815/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 85886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	9012A	85815
240-24200-2	MW-26S	Total/NA	Water	9012A	85815
240-24200-4	MW-25S	Total/NA	Water	9012A	85815
240-24200-5	MW-10I	Total/NA	Water	9012A	85815
240-24200-7	MW-12I	Total/NA	Water	9012A	85815
240-24200-8	MW-30	Total/NA	Water	9012A	85815
240-24200-10	DUPLICATE 1	Total/NA	Water	9012A	85815
LCS 240-85815/2-A	Lab Control Sample	Total/NA	Water	9012A	85815
MB 240-85815/1-A	Method Blank	Total/NA	Water	9012A	85815

Analysis Batch: 85997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	376.1	
240-24200-2	MW-26S	Total/NA	Water	376.1	
240-24200-4	MW-25S	Total/NA	Water	376.1	
240-24200-5	MW-10I	Total/NA	Water	376.1	
240-24200-7	MW-12I	Total/NA	Water	376.1	
240-24200-8	MW-30	Total/NA	Water	376.1	
240-24200-10	DUPLICATE 1	Total/NA	Water	376.1	
LCS 240-85997/2	Lab Control Sample	Total/NA	Water	376.1	
MB 240-85997/1	Method Blank	Total/NA	Water	376.1	

Analysis Batch: 86219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	350.3	
240-24200-2	MW-26S	Total/NA	Water	350.3	
240-24200-4	MW-25S	Total/NA	Water	350.3	
240-24200-4 MS	MW-25S	Total/NA	Water	350.3	
240-24200-4 MSD	MW-25S	Total/NA	Water	350.3	
240-24200-5	MW-10I	Total/NA	Water	350.3	
240-24200-7	MW-12I	Total/NA	Water	350.3	
240-24200-8	MW-30	Total/NA	Water	350.3	
240-24200-10	DUPLICATE 1	Total/NA	Water	350.3	
LCS 240-86219/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-86219/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 86393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 86393 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-2	MW-26S	Total/NA	Water	300.0	
240-24200-4	MW-25S	Total/NA	Water	300.0	
240-24200-5	MW-10I	Total/NA	Water	300.0	
240-24200-7	MW-12I	Total/NA	Water	300.0	
240-24200-8	MW-30	Total/NA	Water	300.0	
240-24200-10	DUPLICATE 1	Total/NA	Water	300.0	
LCS 240-86393/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86393/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 86569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24200-1	MW-27I	Total/NA	Water	300.0	
240-24200-2	MW-26S	Total/NA	Water	300.0	
240-24200-4	MW-25S	Total/NA	Water	300.0	
240-24200-5	MW-10I	Total/NA	Water	300.0	
240-24200-7	MW-12I	Total/NA	Water	300.0	
240-24200-8	MW-30	Total/NA	Water	300.0	
240-24200-10	DUPLICATE 1	Total/NA	Water	300.0	
LCS 240-86569/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86569/3	Method Blank	Total/NA	Water	300.0	

Client Sample ID: MW-27I — **Lab Sample ID: 240-24200-1**
Date Collected: 05/09/13 00:00 — **Matrix: Water**
Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 08:11	LW	TAL CAN
Total/NA	Prep	3520C			85971	05/15/13 09:16	AC	TAL CAN
Total/NA	Analysis	8270C		1	86832	05/22/13 01:31	MU	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:02	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 10:18	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:31	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:50	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:53	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN
Total/NA	Analysis	9012A		1	85886	05/14/13 12:55	VP	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 10:56	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 10:39	JK	TAL CAN
Total/NA	Analysis	300.0		5	86393	05/17/13 20:27	AM	TAL CAN
Total/NA	Analysis	300.0		5	86569	05/20/13 19:55	AM	TAL CAN

Client Sample ID: MW-26S — **Lab Sample ID: 240-24200-2**
Date Collected: 05/09/13 00:00 — **Matrix: Water**
Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 08:34	LW	TAL CAN
Total/NA	Prep	3520C			85971	05/15/13 09:16	AC	TAL CAN
Total/NA	Analysis	8270C		1	86832	05/22/13 01:04	MU	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:09	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 10:25	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:41	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:55	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:54	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN
Total/NA	Analysis	9012A		1	85886	05/14/13 12:55	VP	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:02	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 10:39	JK	TAL CAN
Total/NA	Analysis	300.0		5	86393	05/17/13 20:48	AM	TAL CAN
Total/NA	Analysis	300.0		5	86569	05/20/13 20:15	AM	TAL CAN

Client Sample ID: TRIP BLANK 1(TB1)

Lab Sample ID: 240-24200-3

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 08:56	LW	TAL CAN

Client Sample ID: MW-25S

Lab Sample ID: 240-24200-4

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 09:19	LW	TAL CAN
Total/NA	Prep	3520C			85971	05/15/13 09:16	AC	TAL CAN
Total/NA	Analysis	8270C		1	86832	05/22/13 00:38	MU	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:17	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 10:32	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:43	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:57	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:55	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN
Total/NA	Analysis	9012A		1	85886	05/14/13 12:55	VP	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:09	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 10:39	JK	TAL CAN
Total/NA	Analysis	300.0		1	86393	05/17/13 21:08	AM	TAL CAN
Total/NA	Analysis	300.0		1	86569	05/20/13 20:35	AM	TAL CAN

Client Sample ID: MW-10I

Lab Sample ID: 240-24200-5

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 09:41	LW	TAL CAN
Total/NA	Prep	3520C			85971	05/15/13 09:16	AC	TAL CAN
Total/NA	Analysis	8270C		1	86832	05/22/13 00:11	MU	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:24	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 10:39	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:44	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:58	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:56	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN

Client Sample ID: MW-10I

Lab Sample ID: 240-24200-5

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012A		1	85886	05/14/13 12:56	VP	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:16	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:41	JK	TAL CAN
Total/NA	Analysis	300.0		1	86393	05/17/13 21:28	AM	TAL CAN
Total/NA	Analysis	300.0		1	86569	05/20/13 20:56	AM	TAL CAN

Client Sample ID: TRIP BLANK 2(TB2)

Lab Sample ID: 240-24200-6

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 10:04	LW	TAL CAN

Client Sample ID: MW-12I

Lab Sample ID: 240-24200-7

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	86761	05/21/13 16:07	LW	TAL CAN
Total/NA	Prep	3520C			86125	05/16/13 08:46	AC	TAL CAN
Total/NA	Analysis	8270C		1	86459	05/18/13 18:40	JG	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:32	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		10	85934	05/14/13 10:45	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:46	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 13:05	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:57	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN
Total/NA	Analysis	9012A		25	85886	05/14/13 14:03	VP	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:22	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:41	JK	TAL CAN
Total/NA	Analysis	300.0		10	86393	05/17/13 21:48	AM	TAL CAN
Total/NA	Analysis	300.0		10	86569	05/20/13 21:16	AM	TAL CAN

Client Sample ID: MW-30

Lab Sample ID: 240-24200-8

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86639	05/21/13 10:26	LW	TAL CAN

Client Sample ID: MW-30

Lab Sample ID: 240-24200-8

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			86125	05/16/13 08:46	AC	TAL CAN
Total/NA	Analysis	8270C		1	86459	05/18/13 17:47	JG	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:39	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		5	85934	05/14/13 10:52	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:49	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 13:07	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:58	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN
Total/NA	Analysis	9012A		1	85886	05/14/13 13:00	VP	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:29	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:41	JK	TAL CAN
Total/NA	Analysis	300.0		5	86393	05/17/13 22:08	AM	TAL CAN
Total/NA	Analysis	300.0		5	86569	05/20/13 21:36	AM	TAL CAN

Client Sample ID: TRIP BLANK 4(TB4)

Lab Sample ID: 240-24200-9

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 16:29	LW	TAL CAN

Client Sample ID: DUPLICATE 1

Lab Sample ID: 240-24200-10

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 16:52	LW	TAL CAN
Total/NA	Prep	3520C			86125	05/16/13 08:46	AC	TAL CAN
Total/NA	Analysis	8270C		1	86459	05/18/13 18:14	JG	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85754	05/13/13 13:47	KC	TAL CAN
Total Recoverable	Prep	3005A			85431	05/10/13 09:13	AS	TAL CAN
Total Recoverable	Analysis	6020		5	85934	05/14/13 10:59	KC	TAL CAN
Total/NA	Prep	7470A			85445	05/10/13 15:50	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 16:51	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 13:08	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 10:59	LG	TAL CAN
Total/NA	Prep	9012A			85815	05/14/13 10:05	VP	TAL CAN
Total/NA	Analysis	9012A		1	85886	05/14/13 13:00	VP	TAL CAN

Client Sample ID: DUPLICATE 1

Lab Sample ID: 240-24200-10

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	376.1		1	85997	05/15/13 11:35	JB	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:41	JK	TAL CAN
Total/NA	Analysis	300.0		2	86393	05/17/13 23:09	AM	TAL CAN
Total/NA	Analysis	300.0		2	86569	05/20/13 22:36	AM	TAL CAN

Client Sample ID: TRIP BLANK 3(TB3)

Lab Sample ID: 240-24200-11

Date Collected: 05/09/13 00:00

Matrix: Water

Date Received: 05/09/13 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 17:14	LW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Landfill

TestAmerica Job ID: 240-24200-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	JD Haines	05/09/2013	014376
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
	216-314-0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	Anka Wienceк	Nate Pietras	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL - Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-27i	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-26S	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 1 (TB1)	5/9/13			X						3			X									
MW-25S	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-10i	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 2 (TB2)	5/9/13			X						3			X									
MW-12i	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-30	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 4 (TB4)	5/9/13			X						3			X									
Duplicate 1	5/9/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 3 (TB3)	5/9/13			X						3			X									

Special Instructions/ Conditions of Receipt

240-24200 Chain of Custody

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For

are retained

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-9-13	445	1. Received By	5-9-13	445
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
Cooler: MW 27i / MW26S / TB1 Cooler: MW 25S / MW 10i / TB2 Cooler: MW 12i / MW-30 / TB4
Cooler: Dup 1 / TB3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 24200
Canton Facility

Client EARTH CON Site Name _____ Cooler unpacked by:

Cooler Received on 5-9-13 Opened on 5-9-13

FedEx: 1st Grd Exp UPS FAS Stetson (Client Drop Off) TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –0 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☐ See Multiple Cooler Form
IR GUN# 4G	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 5G	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	

2. Were custody seals on the outside of the cooler(s)?	If Yes Quantity_____	Yes (No)
-Were custody seals on the outside of the cooler(s) signed & dated?		Yes No (NA)
-Were custody seals on the bottle(s)?		Yes (No)
3. Shippers' packing slip attached to the cooler(s)?		Yes (No)
4. Did custody papers accompany the sample(s)?		(Yes) No
5. Were the custody papers relinquished & signed in the appropriate place?		(Yes) No
6. Did all bottles arrive in good condition (Unbroken)?		(Yes) No
7. Could all bottle labels be reconciled with the COC?		(Yes) No
8. Were correct bottle(s) used for the test(s) indicated?		(Yes) No
9. Sufficient quantity received to perform indicated analyses?		(Yes) No
10. Were sample(s) at the correct pH upon receipt?		(Yes) No NA pH Strip Lot# **HC379740**
11. Were VOAs on the COC?		(Yes) No
12. Were air bubbles >6 mm in any VOA vials?		Yes (No) NA
13. Was a trip blank present in the cooler(s)?		Yes (No)

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____.

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # :** 24200
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
client cooler	1	4.7	4.7	ice
190		5.9	5.9	
client cooler		5.3	5.3	
client cooler		2.3	2.3	

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-27I	240-24200-D-1	Plastic 250ml - with Sodium	>12		
MW-27I	240-24200-E-1	Plastic 500ml - with Zn Acetate and	>9		
MW-27I	240-24200-F-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-27I	240-24200-G-1	Plastic 500ml - with Nitric Acid	<2		
MW-27I	240-24200-K-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-26S	240-24200-D-2	Plastic 250ml - with Sodium	>12		
MW-26S	240-24200-E-2	Plastic 500ml - with Zn Acetate and	>9		
MW-26S	240-24200-F-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-26S	240-24200-G-2	Plastic 500ml - with Nitric Acid	<2		
MW-26S	240-24200-K-2	Plastic 250ml - with Sulfuric Acid	<2		
MW-25S	240-24200-D-4	Plastic 250ml - with Sodium	>12		
MW-25S	240-24200-E-4	Plastic 500ml - with Zn Acetate and	>9		
MW-25S	240-24200-F-4	Plastic 500ml - with Sulfuric Acid	<2		
MW-25S	240-24200-G-4	Plastic 500ml - with Nitric Acid	<2		
MW-25S	240-24200-K-4	Plastic 250ml - with Sulfuric Acid	<2		
MW-10I	240-24200-D-5	Plastic 250ml - with Sodium	>12		
MW-10I	240-24200-E-5	Plastic 500ml - with Zn Acetate and	>9		
MW-10I	240-24200-F-5	Plastic 500ml - with Sulfuric Acid	<2		
MW-10I	240-24200-G-5	Plastic 500ml - with Nitric Acid	<2		
MW-10I	240-24200-K-5	Plastic 250ml - with Sulfuric Acid	<2		
MW-12I	240-24200-D-7	Plastic 250ml - with Sodium	>12		
MW-12I	240-24200-E-7	Plastic 500ml - with Zn Acetate and	>9		
MW-12I	240-24200-F-7	Plastic 500ml - with Sulfuric Acid	<2		
MW-12I	240-24200-G-7	Plastic 500ml - with Nitric Acid	<2		
MW-12I	240-24200-K-7	Plastic 250ml - with Sulfuric Acid	<2		
MW-30	240-24200-D-8	Plastic 250ml - with Sodium	>12		
MW-30	240-24200-E-8	Plastic 500ml - with Zn Acetate and	>9		
MW-30	240-24200-F-8	Plastic 500ml - with Sulfuric Acid	<2		
MW-30	240-24200-G-8	Plastic 500ml - with Nitric Acid	<2		
MW-30	240-24200-K-8	Plastic 250ml - with Sulfuric Acid	<2		
DUPLICATE 1	240-24200-D-10	Plastic 250ml - with Sodium	>12		
DUPLICATE 1	240-24200-E-10	Plastic 500ml - with Zn Acetate and	>9		
DUPLICATE 1	240-24200-F-10	Plastic 500ml - with Sulfuric Acid	<2		
DUPLICATE 1	240-24200-G-10	Plastic 500ml - with Nitric Acid	<2		
DUPLICATE 1	240-24200-K-10	Plastic 250ml - with Sulfuric Acid	<2		

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24200-1

Login Number: 24200
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/11/13 12:01 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-24251-1
Client Project/Site: IEL Uniontown Ohio

For:
EarthCon Consultants Inc
129 Monohon Landing Road
Raymond, Washington 98577

Attn: Kathy Gunderson

Authorized for release by:
5/29/2013 4:30:58 PM

Nathan Pietras, Project Manager II
nathan.pietras@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-24251-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: EarthCon Consultants Inc

Project: IEL Uniontown Ohio

Report Number: 240-24251-1

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

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/10/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 11.0, 11.8 and 8.1 C.

Method(s) SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: FIELD EQUIP BLANK 1 (240-24251-5), MW-18I (240-24251-2), MW-18I (240-24251-2 MS), MW-18I (240-24251-2 MSD), MW-18S (240-24251-1), MW-22I (240-24251-4)

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), TRIP BLANK 6 (240-24251-3), MW-22I (240-24251-4), FIELD EQUIP BLANK 1 (240-24251-5), TRIP BLANK 7 (240-24251-6) and TRIP BLANK 5 (240-24251-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/21/2013.

Methylene Chloride was detected in method blank MB 240-86761/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS/MSD of sample MW-18IMS/MSD (240-24251-2) in batch 240-86761.

Job ID: 240-24251-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Several analytes failed the recovery criteria low for the MSD of sample MW-18IMSD (240-24251-2) in batch 240-86761.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/16/2013, 05/17/2013 and 05/24/2013 and analyzed on 05/21/2013, 05/23/2013, 05/26/2013, 05/27/2013 and 05/28/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Phenol-d5 (Surr) failed the surrogate recovery criteria low for MW-18IMS (240-24251-2MS). Refer to the QC report for details.

Several analytes failed the recovery criteria low for LCS 240-86126/8-A. Hexachlorocyclopentadiene failed the recovery criteria low for LCS 240-86337/22-A. Caprolactam failed the recovery criteria low for LCS 240-87232/15-A. Refer to the QC report for details.

3,3'-Dichlorobenzidine and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample MW-18IMS (240-24251-2) in batch 240-86992.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MSD of sample MW-18IMSD (240-24251-2) in batch 240-86992.

Method(s) 3520C, 8270C: The laboratory control sample (LCS) for prep batch 87232, associated with samples FIELD EQUIP BLANK 1 (240-24251-5), MW-18I (240-24251-2), MW-18I (240-24251-2 MS), MW-18I (240-24251-2 MSD), MW-18S (240-24251-1), MW-22I (240-24251-4), had a recovery for caprolactam below acceptance criteria. Because this analyte is not a control analyte no corrective action was required.

Method(s) 3520C, 8270C: The laboratory control sample (LCS) for prep batch 86126, associated with samples MW-18I (240-24251-2), MW-18I (240-24251-2 MS), MW-18I (240-24251-2 MSD), MW-18S (240-24251-1), had recoveries for several control analytes below acceptance criteria. The associated samples were re-prepared and re-analyzed outside holding time. Both sets of data have been reported.

Method(s) 8270C: The laboratory control sample (LCS) for prep batch 86337, associated with samples FIELD EQUIP BLANK 1 (240-24251-5), MW-22I (240-24251-4), had a recovery for hexachlorocyclopentadiene below 10%. The associated samples were re-prepared and re-analyzed outside holding time. Both sets of data have been reported.

No other analytical or quality issues were noted.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 05/13/2013 and analyzed on 05/14/2013.

Several analytes were detected in method blank MB 240-85624/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Calcium and Sodium failed the recovery criteria low for the MS of sample MW-18IMS (240-24251-2) in batch 240-85934.

Job ID: 240-24251-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method(s) 6020: The reporting limit (RL) provided for the following analyte(s) Thallium and Barium falls below the laboratory's verified standard quantitation limit: FIELD EQUIP BLANK 1 (240-24251-5), MW-18I (240-24251-2), MW-18S (240-24251-1), MW-22I (240-24251-4). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 05/13/2013 and analyzed on 05/15/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 05/15/2013.

Samples MW-18S (240-24251-1)[5X], MW-18I (240-24251-2)[2X] and MW-22I (240-24251-4)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 05/16/2013 and 05/22/2013.

Ammonia (as N) was detected in method blank MB 240-86995/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

FERROUS IRON

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for ferrous iron in accordance with SM 3500 F+2 D. The samples were analyzed on 05/10/2013.

No difficulties were encountered during the ferrous iron analyses.

All quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 05/21/2013.

No difficulties were encountered during the nitrate-nitrite analyses.

Job ID: 240-24251-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

SULFIDE

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 05/15/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-18S (240-24251-1), MW-18I (240-24251-2), MW-22I (240-24251-4) and FIELD EQUIP BLANK 1 (240-24251-5) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 05/15/2013.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.3	Nitrogen, Ammonia	MCAWW	TAL CAN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL PIT
376.1	Sulfide	MCAWW	TAL CAN
9012A	Cyanide, Total and/or Amenable	SW846	TAL CAN
SM 3500 FE D	Iron, Ferrous	SM	TAL CAN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-24251-1	MW-18S	Water	05/10/13 08:05	05/10/13 13:51
240-24251-2	MW-18I	Water	05/10/13 08:30	05/10/13 13:51
240-24251-3	TRIP BLANK 6	Water	05/10/13 00:00	05/10/13 13:51
240-24251-4	MW-22I	Water	05/10/13 10:00	05/10/13 13:51
240-24251-5	FIELD EQUIP BLANK 1	Water	05/10/13 10:45	05/10/13 13:51
240-24251-6	TRIP BLANK 7	Water	05/10/13 00:00	05/10/13 13:51
240-24251-7	TRIP BLANK 5	Water	05/10/13 00:00	05/10/13 13:51

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18S — Lab Sample ID: 240-24251-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.79	J	1.0	0.29	ug/L	1		8260B	Total/NA
Aluminum	6900		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.74	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	13	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	160	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.52	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	170000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.41	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	9.9		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	170		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	42	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	18000		100	12	ug/L	1		6020	Total Recoverable
Magnesium	41000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	3700		1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1300	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	120		2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	13		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	1.3	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Thallium	1.2		1.0	0.40	ug/L	1		6020	Total Recoverable
Zinc	97	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.047	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	16000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	14		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	62		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.20		0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	7.0		0.10	0.014	mg/L	1		353.2	Total/NA

Client Sample ID: MW-18I — Lab Sample ID: 240-24251-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	16	J	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.59	J B	2.0	0.11	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-18I (Continued) — Lab Sample ID: 240-24251-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.8	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	390	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Calcium	84000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.035	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	1.6		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	730		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	11	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	8600		100	12	ug/L	1		6020	Total Recoverable
Magnesium	20000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	2200		1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	150	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	100		2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.65	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	7.3	J B	20	2.1	ug/L	1		6020	Total Recoverable
Sodium	35000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	54		2.0	0.20	mg/L	2		300.0	Total/NA
Sulfate	36		2.0	0.24	mg/L	2		300.0	Total/NA
Ammonia (as N)	0.54	B	0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	0.13	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 6 — Lab Sample ID: 240-24251-3

No Detections.

Client Sample ID: MW-22I — Lab Sample ID: 240-24251-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	4.9		1.9	0.76	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate - RE	6.7	H	1.9	0.76	ug/L	1		8270C	Total/NA
Aluminum	2000		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.99	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	2.7	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	260	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.30	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-22I (Continued) — Lab Sample ID: 240-24251-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.31	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	2.5		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	620		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	14	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	5400		100	12	ug/L	1		6020	Total Recoverable
Magnesium	25000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	1900		1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	150	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	180		2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	3.6		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.56	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Thallium	1.3		1.0	0.40	ug/L	1		6020	Total Recoverable
Zinc	22	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.082	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	38000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	100		2.0	0.20	mg/L	2		300.0	Total/NA
Sulfate	80		2.0	0.24	mg/L	2		300.0	Total/NA
Ammonia (as N)	0.13	J	0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	1.0	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: FIELD EQUIP BLANK 1 — Lab Sample ID: 240-24251-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.30	J	1.0	0.13	ug/L	1		8260B	Total/NA
Benzaldehyde	0.53	J	0.95	0.37	ug/L	1		8270C	Total/NA
Benzaldehyde - RE	0.75	J H	0.95	0.37	ug/L	1		8270C	Total/NA
Antimony	0.41	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	0.24	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Beryllium	0.036	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Cobalt	0.035	J	1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	0.23	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Nickel	0.16	J	2.0	0.088	ug/L	1		6020	Total Recoverable
Thallium	0.60	J	1.0	0.40	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 7 — Lab Sample ID: 240-24251-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.37	J	1.0	0.13	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK 5 — Lab Sample ID: 240-24251-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18S
Date Collected: 05/10/13 08:05
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 18:43	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 18:43	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 18:43	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 18:43	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 18:43	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 18:43	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 18:43	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 18:43	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 18:43	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 18:43	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 18:43	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 18:43	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 18:43	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 18:43	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 18:43	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 18:43	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 18:43	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 18:43	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 18:43	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 18:43	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 18:43	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 18:43	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 18:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 18:43	1
Tetrachloroethene	**0.79**	**J**	1.0	0.29	ug/L			05/21/13 18:43	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 18:43	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 18:43	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 18:43	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 18:43	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 18:43	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 18:43	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 18:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 18:43	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 18:43	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 18:43	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 18:43	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 18:43	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 18:43	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 18:43	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 18:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 18:43	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 18:43	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 18:43	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 18:43	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 18:43	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 18:43	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 18:43	1

Client Sample ID: MW-18S
Date Collected: 05/10/13 08:05
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-1
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		63 - 129		05/21/13 18:43	1
4-Bromofluorobenzene (Surr)	84		66 - 117		05/21/13 18:43	1
Toluene-d8 (Surr)	90		74 - 115		05/21/13 18:43	1
Dibromofluoromethane (Surr)	99		75 - 121		05/21/13 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	*	0.95	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/16/13 08:52	05/23/13 01:51	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2-Chloronaphthalene	ND	*	0.95	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/16/13 08:52	05/23/13 01:51	1
2-Methylnaphthalene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/16/13 08:52	05/23/13 01:51	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/16/13 08:52	05/23/13 01:51	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/16/13 08:52	05/23/13 01:51	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 01:51	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
4-Chlorophenyl phenyl ether	ND	*	1.9	0.29	ug/L		05/16/13 08:52	05/23/13 01:51	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 01:51	1
Acenaphthene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Acenaphthylene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Acetophenone	ND		0.95	0.32	ug/L		05/16/13 08:52	05/23/13 01:51	1
Anthracene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Atrazine	ND	*	0.95	0.32	ug/L		05/16/13 08:52	05/23/13 01:51	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/16/13 08:52	05/23/13 01:51	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/16/13 08:52	05/23/13 01:51	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
Caprolactam	ND		4.8	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1

Client Sample ID: MW-18S
Date Collected: 05/10/13 08:05
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/16/13 08:52	05/23/13 01:51	1
Chrysene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Dibenzofuran	ND	*	0.95	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/16/13 08:52	05/23/13 01:51	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/16/13 08:52	05/23/13 01:51	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/16/13 08:52	05/23/13 01:51	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
Fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Fluorene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/16/13 08:52	05/23/13 01:51	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Isophorone	ND		0.95	0.26	ug/L		05/16/13 08:52	05/23/13 01:51	1
Naphthalene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/16/13 08:52	05/23/13 01:51	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/16/13 08:52	05/23/13 01:51	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/16/13 08:52	05/23/13 01:51	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 01:51	1
Phenol	ND		0.95	0.57	ug/L		05/16/13 08:52	05/23/13 01:51	1
Phenanthrene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
Pyrene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 01:51	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/16/13 08:52	05/23/13 01:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.8*	*T J*	*ug/L*		*6.88*		*05/16/13 08:52*	*05/23/13 01:51*	*1*
2(3H)-Benzothiazolone	*0.94*	*T J N*	*ug/L*		*9.81*	*934-34-9*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
n-Hexadecanoic acid	*2.1*	*T J N*	*ug/L*		*10.73*	*57-10-3*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
Octadecanoic acid	*1.5*	*T J N*	*ug/L*		*11.39*	*57-11-4*	*05/16/13 08:52*	*05/23/13 01:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*20 - 110*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 110*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*21 - 110*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
Nitrobenzene-d5 (Surr)	*52*		*21 - 110*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*05/16/13 08:52*	*05/23/13 01:51*	*1*
Terphenyl-d14 (Surr)	*40*		*24 - 110*	*05/16/13 08:52*	*05/23/13 01:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/28/13 20:34	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/24/13 08:29	05/28/13 20:34	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18S
Date Collected: 05/10/13 08:05
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/24/13 08:29	05/28/13 20:34	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/28/13 20:34	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/24/13 08:29	05/28/13 20:34	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/28/13 20:34	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/28/13 20:34	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/24/13 08:29	05/28/13 20:34	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/28/13 20:34	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/28/13 20:34	1
Anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Atrazine	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/28/13 20:34	1
Benzaldehyde	ND	H	0.95	0.37	ug/L		05/24/13 08:29	05/28/13 20:34	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/28/13 20:34	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Bis(2-ethylhexyl) phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
Caprolactam	ND	H *	4.8	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
Carbazole	ND	H	0.95	0.27	ug/L		05/24/13 08:29	05/28/13 20:34	1
Chrysene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/24/13 08:29	05/28/13 20:34	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/24/13 08:29	05/28/13 20:34	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/24/13 08:29	05/28/13 20:34	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Fluorene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/28/13 20:34	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Isophorone	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/28/13 20:34	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1

Client Sample ID: MW-18S
Date Collected: 05/10/13 08:05
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/24/13 08:29	05/28/13 20:34	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/28/13 20:34	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/28/13 20:34	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/28/13 20:34	1
Phenol	ND	H	0.95	0.57	ug/L		05/24/13 08:29	05/28/13 20:34	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
Pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/28/13 20:34	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/24/13 08:29	05/28/13 20:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Hexadecanoic acid	*1.7*	*T H J N*	*ug/L*		*10.62*	*57-10-3*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
Unknown	*0.96*	*T H J*	*ug/L*		*11.22*		*05/24/13 08:29*	*05/28/13 20:34*	*1*
Octadecanoic acid	*1.2*	*T H J N*	*ug/L*		*11.28*	*57-11-4*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
Unknown	*0.93*	*T H J*	*ug/L*		*12.97*		*05/24/13 08:29*	*05/28/13 20:34*	*1*
Unknown	*1.4*	*T H J*	*ug/L*		*13.14*		*05/24/13 08:29*	*05/28/13 20:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
2-Fluorophenol (Surr)	*37*		*10 - 110*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
Nitrobenzene-d5 (Surr)	*58*		*21 - 110*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
Phenol-d5 (Surr)	*23*		*21 - 110*	*05/24/13 08:29*	*05/28/13 20:34*	*1*
Terphenyl-d14 (Surr)	*33*		*24 - 110*	*05/24/13 08:29*	*05/28/13 20:34*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		50	7.5	ug/L		05/13/13 09:04	05/14/13 11:33	1
Antimony	**0.74**	**J B**	2.0	0.11	ug/L		05/13/13 09:04	05/14/13 11:33	1
Arsenic	**13**	**B**	3.0	0.063	ug/L		05/13/13 09:04	05/14/13 11:33	1
Barium	**160**	**B**	1.0	0.32	ug/L		05/13/13 09:04	05/14/13 11:33	1
Beryllium	**0.52**	**J**	1.0	0.031	ug/L		05/13/13 09:04	05/14/13 11:33	1
Calcium	**170000**	**B**	1000	27	ug/L		05/13/13 09:04	05/14/13 11:33	1
Cadmium	**0.41**	**J**	1.0	0.026	ug/L		05/13/13 09:04	05/14/13 11:33	1
Cobalt	**9.9**		1.0	0.020	ug/L		05/13/13 09:04	05/14/13 11:33	1
Chromium	**170**		2.0	0.13	ug/L		05/13/13 09:04	05/14/13 11:33	1
Copper	**42**	**B**	2.0	0.24	ug/L		05/13/13 09:04	05/14/13 11:33	1
Iron	**18000**		100	12	ug/L		05/13/13 09:04	05/14/13 11:33	1
Magnesium	**41000**	**B**	1000	15	ug/L		05/13/13 09:04	05/14/13 11:33	1
Potassium	**3700**		1000	5.1	ug/L		05/13/13 09:04	05/14/13 11:33	1
Manganese	**1300**	**B**	5.0	0.41	ug/L		05/13/13 09:04	05/14/13 11:33	1
Nickel	**120**		2.0	0.088	ug/L		05/13/13 09:04	05/14/13 11:33	1
Lead	**13**		1.0	0.14	ug/L		05/13/13 09:04	05/14/13 11:33	1
Selenium	**1.3**	**J**	5.0	0.34	ug/L		05/13/13 09:04	05/14/13 11:33	1
Thallium	**1.2**		1.0	0.40	ug/L		05/13/13 09:04	05/14/13 11:33	1
Zinc	**97**	**B**	20	2.1	ug/L		05/13/13 09:04	05/14/13 11:33	1
Silver	**0.047**	**J**	1.0	0.0083	ug/L		05/13/13 09:04	05/14/13 11:33	1
Sodium	**16000**	**B**	1000	4.2	ug/L		05/13/13 09:04	05/14/13 11:33	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18S
Date Collected: 05/10/13 08:05
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-1
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/13/13 15:35	05/15/13 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		5.0	0.50	mg/L			05/15/13 20:27	5
Sulfate	**62**		5.0	0.60	mg/L			05/15/13 20:27	5
Ammonia (as N)	**0.20**		0.20	0.035	mg/L			05/16/13 12:41	1
Nitrate Nitrite as N	**7.0**		0.10	0.014	mg/L			05/21/13 12:30	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:49	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 09:30	05/15/13 11:52	1
Ferrous Iron	ND	HF	0.050	0.018	mg/L			05/10/13 14:58	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18I
Date Collected: 05/10/13 08:30
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 23:11	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 23:11	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 23:11	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 23:11	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 23:11	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 23:11	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 23:11	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 23:11	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 23:11	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 23:11	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 23:11	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 23:11	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 23:11	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 23:11	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 23:11	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 23:11	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 23:11	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 23:11	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 23:11	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 23:11	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 23:11	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 23:11	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 23:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 23:11	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 23:11	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 23:11	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 23:11	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 23:11	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 23:11	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 23:11	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 23:11	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 23:11	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 23:11	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 23:11	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 23:11	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 23:11	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 23:11	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 23:11	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 23:11	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 23:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 23:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 23:11	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 23:11	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 23:11	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 23:11	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 23:11	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 23:11	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 23:11	1

Client Sample ID: MW-18I
Date Collected: 05/10/13 08:30
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-2
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Methyl-2-propanol	6.4	J	ug/L		3.75	75-65-0		05/21/13 23:11	1
Silanol, trimethyl-	1.1	T J N	ug/L		4.68	1066-40-6		05/21/13 23:11	1
Tetrahydrofuran	0.45	J	ug/L		5.03	109-99-9		05/21/13 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		63 - 129		05/21/13 23:11	1
4-Bromofluorobenzene (Surr)	87		66 - 117		05/21/13 23:11	1
Toluene-d8 (Surr)	95		74 - 115		05/21/13 23:11	1
Dibromofluoromethane (Surr)	105		75 - 121		05/21/13 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	*	0.95	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/16/13 08:52	05/23/13 02:17	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2-Chloronaphthalene	ND	*	0.95	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/16/13 08:52	05/23/13 02:17	1
2-Methylnaphthalene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/16/13 08:52	05/23/13 02:17	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/16/13 08:52	05/23/13 02:17	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/16/13 08:52	05/23/13 02:17	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 02:17	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
4-Chlorophenyl phenyl ether	ND	*	1.9	0.29	ug/L		05/16/13 08:52	05/23/13 02:17	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 02:17	1
Acenaphthene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Acenaphthylene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Acetophenone	ND		0.95	0.32	ug/L		05/16/13 08:52	05/23/13 02:17	1
Anthracene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Atrazine	ND	*	0.95	0.32	ug/L		05/16/13 08:52	05/23/13 02:17	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/16/13 08:52	05/23/13 02:17	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/16/13 08:52	05/23/13 02:17	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1

Client Sample ID: MW-18I
Date Collected: 05/10/13 08:30
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
Caprolactam	ND		4.8	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
Carbazole	ND		0.95	0.27	ug/L		05/16/13 08:52	05/23/13 02:17	1
Chrysene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Dibenzofuran	ND	*	0.95	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/16/13 08:52	05/23/13 02:17	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/16/13 08:52	05/23/13 02:17	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/16/13 08:52	05/23/13 02:17	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
Fluoranthene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Fluorene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/16/13 08:52	05/23/13 02:17	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Isophorone	ND		0.95	0.26	ug/L		05/16/13 08:52	05/23/13 02:17	1
Naphthalene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/16/13 08:52	05/23/13 02:17	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/16/13 08:52	05/23/13 02:17	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/16/13 08:52	05/23/13 02:17	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/16/13 08:52	05/23/13 02:17	1
Phenol	ND		0.95	0.57	ug/L		05/16/13 08:52	05/23/13 02:17	1
Phenanthrene	ND	*	0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
Pyrene	ND		0.19	0.095	ug/L		05/16/13 08:52	05/23/13 02:17	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/16/13 08:52	05/23/13 02:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.3*	*T J*	*ug/L*		*6.68*		*05/16/13 08:52*	*05/23/13 02:17*	*1*
N-Formylmorpholine	*1.5*	*T J N*	*ug/L*		*7.15*	*4394-85-8*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
Unknown	*1.5*	*T J*	*ug/L*		*7.41*		*05/16/13 08:52*	*05/23/13 02:17*	*1*
Morpholine, 4-acetyl-	*3.4*	*T J N*	*ug/L*		*7.53*	*1696-20-4*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
Unknown	*1.2*	*T J*	*ug/L*		*8.85*		*05/16/13 08:52*	*05/23/13 02:17*	*1*
Octadecanoic acid	*4.9*	*T J N*	*ug/L*		*11.39*	*57-11-4*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
Unknown	*4.8*	*T J*	*ug/L*		*11.87*		*05/16/13 08:52*	*05/23/13 02:17*	*1*
Unknown	*1.2*	*T J*	*ug/L*		*11.90*		*05/16/13 08:52*	*05/23/13 02:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*20 - 110*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
2-Fluorophenol (Surr)	*66*		*10 - 110*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*21 - 110*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
Nitrobenzene-d5 (Surr)	*58*		*21 - 110*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
Phenol-d5 (Surr)	*68*		*21 - 110*	*05/16/13 08:52*	*05/23/13 02:17*	*1*
Terphenyl-d14 (Surr)	*43*		*24 - 110*	*05/16/13 08:52*	*05/23/13 02:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/24/13 08:29	05/27/13 00:08	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18I
Date Collected: 05/10/13 08:30
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/24/13 08:29	05/27/13 00:08	1
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/24/13 08:29	05/27/13 00:08	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/27/13 00:08	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/24/13 08:29	05/27/13 00:08	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/27/13 00:08	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 00:08	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/24/13 08:29	05/27/13 00:08	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 00:08	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/27/13 00:08	1
Anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Atrazine	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/27/13 00:08	1
Benzaldehyde	ND	H	0.95	0.37	ug/L		05/24/13 08:29	05/27/13 00:08	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/27/13 00:08	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Bis(2-ethylhexyl) phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
Caprolactam	ND	H *	4.8	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
Carbazole	ND	H	0.95	0.27	ug/L		05/24/13 08:29	05/27/13 00:08	1
Chrysene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/24/13 08:29	05/27/13 00:08	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/24/13 08:29	05/27/13 00:08	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/24/13 08:29	05/27/13 00:08	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Fluorene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1

Client Sample ID: MW-18I
Date Collected: 05/10/13 08:30
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/27/13 00:08	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Isophorone	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/27/13 00:08	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/24/13 08:29	05/27/13 00:08	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 00:08	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/27/13 00:08	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 00:08	1
Phenol	ND	H	0.95	0.57	ug/L		05/24/13 08:29	05/27/13 00:08	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
Pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 00:08	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/24/13 08:29	05/27/13 00:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Morpholine, 4-acetyl-	*0.81*	*T H J N*	*ug/L*		*7.46*	*1696-20-4*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
Butylated Hydroxytoluene	*0.80*	*T H J N*	*ug/L*		*8.99*	*128-37-0*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
2(3H)-Benzothiazolone	*0.81*	*T H J N*	*ug/L*		*9.75*	*934-34-9*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
n-Hexadecanoic acid	*4.3*	*T H J N*	*ug/L*		*10.68*	*57-10-3*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
Unknown	*1.2*	*T H J*	*ug/L*		*11.29*		*05/24/13 08:29*	*05/27/13 00:08*	*1*
Unknown	*1.9*	*T H J*	*ug/L*		*11.35*		*05/24/13 08:29*	*05/27/13 00:08*	*1*
Unknown	*7.4*	*T H J*	*ug/L*		*17.75*		*05/24/13 08:29*	*05/27/13 00:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*20 - 110*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
2-Fluorophenol (Surr)	*46*		*10 - 110*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*21 - 110*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
Nitrobenzene-d5 (Surr)	*69*		*21 - 110*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
Phenol-d5 (Surr)	*29*		*21 - 110*	*05/24/13 08:29*	*05/27/13 00:08*	*1*
Terphenyl-d14 (Surr)	*56*		*24 - 110*	*05/24/13 08:29*	*05/27/13 00:08*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16**	**J**	50	7.5	ug/L		05/13/13 09:04	05/14/13 11:40	1
Antimony	**0.59**	**J B**	2.0	0.11	ug/L		05/13/13 09:04	05/14/13 11:40	1
Arsenic	**4.8**	**B**	3.0	0.063	ug/L		05/13/13 09:04	05/14/13 11:40	1
Barium	**390**	**B**	1.0	0.32	ug/L		05/13/13 09:04	05/14/13 11:40	1
Beryllium	ND		1.0	0.031	ug/L		05/13/13 09:04	05/14/13 11:40	1
Calcium	**84000**	**B**	1000	27	ug/L		05/13/13 09:04	05/14/13 11:40	1
Cadmium	**0.035**	**J**	1.0	0.026	ug/L		05/13/13 09:04	05/14/13 11:40	1
Cobalt	**1.6**		1.0	0.020	ug/L		05/13/13 09:04	05/14/13 11:40	1
Chromium	**730**		2.0	0.13	ug/L		05/13/13 09:04	05/14/13 11:40	1
Copper	**11**	**B**	2.0	0.24	ug/L		05/13/13 09:04	05/14/13 11:40	1
Iron	**8600**		100	12	ug/L		05/13/13 09:04	05/14/13 11:40	1
Magnesium	**20000**	**B**	1000	15	ug/L		05/13/13 09:04	05/14/13 11:40	1
Potassium	**2200**		1000	5.1	ug/L		05/13/13 09:04	05/14/13 11:40	1
Manganese	**150**	**B**	5.0	0.41	ug/L		05/13/13 09:04	05/14/13 11:40	1
Nickel	**100**		2.0	0.088	ug/L		05/13/13 09:04	05/14/13 11:40	1
Lead	**0.65**	**J**	1.0	0.14	ug/L		05/13/13 09:04	05/14/13 11:40	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-18I
Date Collected: 05/10/13 08:30
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-2
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		5.0	0.34	ug/L		05/13/13 09:04	05/14/13 11:40	1
Thallium	ND		1.0	0.40	ug/L		05/13/13 09:04	05/14/13 11:40	1
Zinc	**7.3**	**J B**	20	2.1	ug/L		05/13/13 09:04	05/14/13 11:40	1
Silver	ND		1.0	0.0083	ug/L		05/13/13 09:04	05/14/13 11:40	1
Sodium	**35000**	**B**	1000	4.2	ug/L		05/13/13 09:04	05/14/13 11:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/13/13 15:35	05/15/13 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54**		2.0	0.20	mg/L			05/15/13 20:48	2
Sulfate	**36**		2.0	0.24	mg/L			05/15/13 20:48	2
Ammonia (as N)	**0.54**	**B**	0.20	0.035	mg/L			05/22/13 11:34	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:25	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 11:55	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 09:30	05/15/13 11:52	1
Ferrous Iron	**0.13**	**HF**	0.050	0.018	mg/L			05/10/13 14:54	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 6
Date Collected: 05/10/13 00:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 19:05	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 19:05	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 19:05	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 19:05	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 19:05	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 19:05	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 19:05	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 19:05	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 19:05	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 19:05	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 19:05	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 19:05	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 19:05	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 19:05	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 19:05	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 19:05	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 19:05	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 19:05	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 19:05	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 19:05	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 19:05	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 19:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 19:05	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 19:05	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 19:05	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 19:05	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 19:05	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 19:05	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 19:05	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 19:05	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 19:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 19:05	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 19:05	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 19:05	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 19:05	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 19:05	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 19:05	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 19:05	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 19:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 19:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 19:05	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 19:05	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 19:05	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 19:05	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 19:05	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 19:05	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 19:05	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 6
Date Collected: 05/10/13 00:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-3
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		63 - 129		05/21/13 19:05	1
4-Bromofluorobenzene (Surr)	86		66 - 117		05/21/13 19:05	1
Toluene-d8 (Surr)	94		74 - 115		05/21/13 19:05	1
Dibromofluoromethane (Surr)	105		75 - 121		05/21/13 19:05	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-22I
Date Collected: 05/10/13 10:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 19:27	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 19:27	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 19:27	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 19:27	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 19:27	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 19:27	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 19:27	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 19:27	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 19:27	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 19:27	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 19:27	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 19:27	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 19:27	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 19:27	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 19:27	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 19:27	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 19:27	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 19:27	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 19:27	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 19:27	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 19:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 19:27	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 19:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 19:27	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 19:27	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 19:27	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 19:27	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 19:27	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 19:27	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 19:27	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 19:27	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 19:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 19:27	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 19:27	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 19:27	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 19:27	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 19:27	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 19:27	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 19:27	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 19:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 19:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 19:27	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 19:27	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 19:27	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 19:27	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 19:27	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 19:27	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 19:27	1

Client Sample ID: MW-22I
Date Collected: 05/10/13 10:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-4
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129		05/21/13 19:27	1
4-Bromofluorobenzene (Surr)	85		66 - 117		05/21/13 19:27	1
Toluene-d8 (Surr)	93		74 - 115		05/21/13 19:27	1
Dibromofluoromethane (Surr)	101		75 - 121		05/21/13 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/17/13 10:25	05/21/13 17:21	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/17/13 10:25	05/21/13 17:21	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/17/13 10:25	05/21/13 17:21	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/17/13 10:25	05/21/13 17:21	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/17/13 10:25	05/21/13 17:21	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 17:21	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/17/13 10:25	05/21/13 17:21	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 17:21	1
Acenaphthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Acetophenone	ND		0.95	0.32	ug/L		05/17/13 10:25	05/21/13 17:21	1
Anthracene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Atrazine	ND		0.95	0.32	ug/L		05/17/13 10:25	05/21/13 17:21	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/17/13 10:25	05/21/13 17:21	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/17/13 10:25	05/21/13 17:21	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Bis(2-ethylhexyl) phthalate	**4.9**		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
Caprolactam	ND		4.8	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1

Client Sample ID: MW-22I
Date Collected: 05/10/13 10:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/17/13 10:25	05/21/13 17:21	1
Chrysene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/17/13 10:25	05/21/13 17:21	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/17/13 10:25	05/21/13 17:21	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/17/13 10:25	05/21/13 17:21	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
Fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Fluorene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/17/13 10:25	05/21/13 17:21	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Isophorone	ND		0.95	0.26	ug/L		05/17/13 10:25	05/21/13 17:21	1
Naphthalene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/17/13 10:25	05/21/13 17:21	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 17:21	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/17/13 10:25	05/21/13 17:21	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 17:21	1
Phenol	ND		0.95	0.57	ug/L		05/17/13 10:25	05/21/13 17:21	1
Phenanthrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
Pyrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 17:21	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/17/13 10:25	05/21/13 17:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.26*	*T J*	*ug/L*		*5.74*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.45*	*T J*	*ug/L*		*6.15*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.21*	*T J*	*ug/L*		*7.71*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.35*	*T J*	*ug/L*		*9.02*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.35*	*T J*	*ug/L*		*9.22*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.23*	*T J*	*ug/L*		*9.56*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*10.62*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.75*	*T J*	*ug/L*		*12.53*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*14.20*		*05/17/13 10:25*	*05/21/13 17:21*	*1*
Unknown	*0.38*	*T J*	*ug/L*		*16.49*		*05/17/13 10:25*	*05/21/13 17:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*20 - 110*	*05/17/13 10:25*	*05/21/13 17:21*	*1*
2-Fluorophenol (Surr)	*63*		*10 - 110*	*05/17/13 10:25*	*05/21/13 17:21*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*21 - 110*	*05/17/13 10:25*	*05/21/13 17:21*	*1*
Nitrobenzene-d5 (Surr)	*59*		*21 - 110*	*05/17/13 10:25*	*05/21/13 17:21*	*1*
Phenol-d5 (Surr)	*65*		*21 - 110*	*05/17/13 10:25*	*05/21/13 17:21*	*1*
Terphenyl-d14 (Surr)	*44*		*24 - 110*	*05/17/13 10:25*	*05/21/13 17:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/24/13 08:29	05/27/13 01:24	1

Client Sample ID: MW-22I
Date Collected: 05/10/13 10:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/24/13 08:29	05/27/13 01:24	1
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/24/13 08:29	05/27/13 01:24	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/27/13 01:24	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/24/13 08:29	05/27/13 01:24	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/27/13 01:24	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 01:24	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/24/13 08:29	05/27/13 01:24	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 01:24	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/27/13 01:24	1
Anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Atrazine	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/27/13 01:24	1
Benzaldehyde	ND	H	0.95	0.37	ug/L		05/24/13 08:29	05/27/13 01:24	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/27/13 01:24	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Bis(2-ethylhexyl) phthalate	**6.7**	**H**	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
Caprolactam	ND	H *	4.8	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
Carbazole	ND	H	0.95	0.27	ug/L		05/24/13 08:29	05/27/13 01:24	1
Chrysene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/24/13 08:29	05/27/13 01:24	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/24/13 08:29	05/27/13 01:24	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/24/13 08:29	05/27/13 01:24	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Fluorene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1

Client Sample ID: MW-22I
Date Collected: 05/10/13 10:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/27/13 01:24	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Isophorone	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/27/13 01:24	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/24/13 08:29	05/27/13 01:24	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/27/13 01:24	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/27/13 01:24	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/27/13 01:24	1
Phenol	ND	H	0.95	0.57	ug/L		05/24/13 08:29	05/27/13 01:24	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
Pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/27/13 01:24	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/24/13 08:29	05/27/13 01:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Hexadecanoic acid	*3.3*	*T H J N*	*ug/L*		*10.69*	*57-10-3*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
Unknown	*1.9*	*T H J*	*ug/L*		*11.28*		*05/24/13 08:29*	*05/27/13 01:24*	*1*
Octadecanoic acid	*2.3*	*T H J N*	*ug/L*		*11.36*	*57-11-4*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
Unknown	*1.7*	*T H J*	*ug/L*		*11.97*		*05/24/13 08:29*	*05/27/13 01:24*	*1*
Unknown	*2.6*	*T H J*	*ug/L*		*13.03*		*05/24/13 08:29*	*05/27/13 01:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
2-Fluorophenol (Surr)	*36*		*10 - 110*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
Nitrobenzene-d5 (Surr)	*60*		*21 - 110*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
Phenol-d5 (Surr)	*21*		*21 - 110*	*05/24/13 08:29*	*05/27/13 01:24*	*1*
Terphenyl-d14 (Surr)	*38*		*24 - 110*	*05/24/13 08:29*	*05/27/13 01:24*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2000**		50	7.5	ug/L		05/13/13 09:04	05/14/13 12:00	1
Antimony	**0.99**	**J B**	2.0	0.11	ug/L		05/13/13 09:04	05/14/13 12:00	1
Arsenic	**2.7**	**J B**	3.0	0.063	ug/L		05/13/13 09:04	05/14/13 12:00	1
Barium	**260**	**B**	1.0	0.32	ug/L		05/13/13 09:04	05/14/13 12:00	1
Beryllium	**0.30**	**J**	1.0	0.031	ug/L		05/13/13 09:04	05/14/13 12:00	1
Calcium	**110000**	**B**	1000	27	ug/L		05/13/13 09:04	05/14/13 12:00	1
Cadmium	**0.31**	**J**	1.0	0.026	ug/L		05/13/13 09:04	05/14/13 12:00	1
Cobalt	**2.5**		1.0	0.020	ug/L		05/13/13 09:04	05/14/13 12:00	1
Chromium	**620**		2.0	0.13	ug/L		05/13/13 09:04	05/14/13 12:00	1
Copper	**14**	**B**	2.0	0.24	ug/L		05/13/13 09:04	05/14/13 12:00	1
Iron	**5400**		100	12	ug/L		05/13/13 09:04	05/14/13 12:00	1
Magnesium	**25000**	**B**	1000	15	ug/L		05/13/13 09:04	05/14/13 12:00	1
Potassium	**1900**		1000	5.1	ug/L		05/13/13 09:04	05/14/13 12:00	1
Manganese	**150**	**B**	5.0	0.41	ug/L		05/13/13 09:04	05/14/13 12:00	1
Nickel	**180**		2.0	0.088	ug/L		05/13/13 09:04	05/14/13 12:00	1
Lead	**3.6**		1.0	0.14	ug/L		05/13/13 09:04	05/14/13 12:00	1
Selenium	**0.56**	**J**	5.0	0.34	ug/L		05/13/13 09:04	05/14/13 12:00	1
Thallium	**1.3**		1.0	0.40	ug/L		05/13/13 09:04	05/14/13 12:00	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: MW-22I
Date Collected: 05/10/13 10:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-4
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	22	B	20	2.1	ug/L		05/13/13 09:04	05/14/13 12:00	1
Silver	0.082	J	1.0	0.0083	ug/L		05/13/13 09:04	05/14/13 12:00	1
Sodium	38000	B	1000	4.2	ug/L		05/13/13 09:04	05/14/13 12:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/13/13 15:35	05/15/13 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		2.0	0.20	mg/L			05/15/13 21:48	2
Sulfate	80		2.0	0.24	mg/L			05/15/13 21:48	2
Ammonia (as N)	0.13	J	0.20	0.035	mg/L			05/16/13 12:42	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:31	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 12:15	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 09:30	05/15/13 11:52	1
Ferrous Iron	1.0	HF	0.050	0.018	mg/L			05/10/13 14:58	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: FIELD EQUIP BLANK 1
Date Collected: 05/10/13 10:45
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 19:50	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 19:50	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 19:50	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 19:50	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 19:50	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 19:50	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 19:50	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 19:50	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 19:50	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 19:50	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 19:50	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 19:50	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 19:50	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 19:50	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 19:50	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 19:50	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 19:50	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 19:50	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 19:50	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 19:50	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 19:50	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 19:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 19:50	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 19:50	1
Toluene	**0.30**	**J**	1.0	0.13	ug/L			05/21/13 19:50	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 19:50	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 19:50	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 19:50	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 19:50	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 19:50	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 19:50	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 19:50	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 19:50	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 19:50	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 19:50	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 19:50	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 19:50	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 19:50	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 19:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 19:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 19:50	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 19:50	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 19:50	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 19:50	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 19:50	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 19:50	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 19:50	1

Client Sample ID: FIELD EQUIP BLANK 1
Date Collected: 05/10/13 10:45
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-5
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Isobutane	7.3	T J N	ug/L		1.80	75-28-5		05/21/13 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		63 - 129		05/21/13 19:50	1
4-Bromofluorobenzene (Surr)	90		66 - 117		05/21/13 19:50	1
Toluene-d8 (Surr)	97		74 - 115		05/21/13 19:50	1
Dibromofluoromethane (Surr)	106		75 - 121		05/21/13 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/17/13 10:25	05/21/13 16:54	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/17/13 10:25	05/21/13 16:54	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/17/13 10:25	05/21/13 16:54	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/17/13 10:25	05/21/13 16:54	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/17/13 10:25	05/21/13 16:54	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 16:54	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/17/13 10:25	05/21/13 16:54	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 16:54	1
Acenaphthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Acetophenone	ND		0.95	0.32	ug/L		05/17/13 10:25	05/21/13 16:54	1
Anthracene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Atrazine	ND		0.95	0.32	ug/L		05/17/13 10:25	05/21/13 16:54	1
Benzaldehyde	**0.53**	**J**	0.95	0.37	ug/L		05/17/13 10:25	05/21/13 16:54	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/17/13 10:25	05/21/13 16:54	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
Caprolactam	ND		4.8	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1

Client Sample ID: FIELD EQUIP BLANK 1
Date Collected: 05/10/13 10:45
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/17/13 10:25	05/21/13 16:54	1
Chrysene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/17/13 10:25	05/21/13 16:54	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/17/13 10:25	05/21/13 16:54	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/17/13 10:25	05/21/13 16:54	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
Fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Fluorene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/17/13 10:25	05/21/13 16:54	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Isophorone	ND		0.95	0.26	ug/L		05/17/13 10:25	05/21/13 16:54	1
Naphthalene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/17/13 10:25	05/21/13 16:54	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/17/13 10:25	05/21/13 16:54	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/17/13 10:25	05/21/13 16:54	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/17/13 10:25	05/21/13 16:54	1
Phenol	ND		0.95	0.57	ug/L		05/17/13 10:25	05/21/13 16:54	1
Phenanthrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
Pyrene	ND		0.19	0.095	ug/L		05/17/13 10:25	05/21/13 16:54	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/17/13 10:25	05/21/13 16:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.53*	*T J*	*ug/L*		*5.74*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.32*	*T J*	*ug/L*		*6.09*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.34*	*T J*	*ug/L*		*6.15*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.27*	*T J*	*ug/L*		*7.05*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.23*	*T J*	*ug/L*		*8.13*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.21*	*T J*	*ug/L*		*11.12*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.23*	*T J*	*ug/L*		*11.48*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.34*	*T J*	*ug/L*		*14.68*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.51*	*T J*	*ug/L*		*15.26*		*05/17/13 10:25*	*05/21/13 16:54*	*1*
Unknown	*0.67*	*T J*	*ug/L*		*17.21*		*05/17/13 10:25*	*05/21/13 16:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*20 - 110*	*05/17/13 10:25*	*05/21/13 16:54*	*1*
2-Fluorophenol (Surr)	*54*		*10 - 110*	*05/17/13 10:25*	*05/21/13 16:54*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 110*	*05/17/13 10:25*	*05/21/13 16:54*	*1*
Nitrobenzene-d5 (Surr)	*53*		*21 - 110*	*05/17/13 10:25*	*05/21/13 16:54*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*05/17/13 10:25*	*05/21/13 16:54*	*1*
Terphenyl-d14 (Surr)	*42*		*24 - 110*	*05/17/13 10:25*	*05/21/13 16:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/24/13 08:29	05/26/13 23:43	1

Client Sample ID: FIELD EQUIP BLANK 1
Date Collected: 05/10/13 10:45
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/24/13 08:29	05/26/13 23:43	1
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/24/13 08:29	05/26/13 23:43	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/26/13 23:43	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/24/13 08:29	05/26/13 23:43	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/26/13 23:43	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:43	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/24/13 08:29	05/26/13 23:43	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:43	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/26/13 23:43	1
Anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Atrazine	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/26/13 23:43	1
Benzaldehyde	**0.75**	**J H**	0.95	0.37	ug/L		05/24/13 08:29	05/26/13 23:43	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/26/13 23:43	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Bis(2-ethylhexyl) phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
Caprolactam	ND	H *	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
Carbazole	ND	H	0.95	0.27	ug/L		05/24/13 08:29	05/26/13 23:43	1
Chrysene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/24/13 08:29	05/26/13 23:43	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/24/13 08:29	05/26/13 23:43	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/24/13 08:29	05/26/13 23:43	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Fluorene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1

Client Sample ID: FIELD EQUIP BLANK 1
Date Collected: 05/10/13 10:45
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/26/13 23:43	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Isophorone	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/26/13 23:43	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/24/13 08:29	05/26/13 23:43	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:43	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/26/13 23:43	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:43	1
Phenol	ND	H	0.95	0.57	ug/L		05/24/13 08:29	05/26/13 23:43	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
Pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:43	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/24/13 08:29	05/26/13 23:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.6*	*T H J*	*ug/L*		*6.93*		*05/24/13 08:29*	*05/26/13 23:43*	*1*
Unknown	*1.2*	*T H J*	*ug/L*		*10.70*		*05/24/13 08:29*	*05/26/13 23:43*	*1*
Unknown	*0.92*	*T H J*	*ug/L*		*11.30*		*05/24/13 08:29*	*05/26/13 23:43*	*1*
Unknown	*1.8*	*T H J*	*ug/L*		*13.37*		*05/24/13 08:29*	*05/26/13 23:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*20 - 110*	*05/24/13 08:29*	*05/26/13 23:43*	*1*
2-Fluorophenol (Surr)	*39*		*10 - 110*	*05/24/13 08:29*	*05/26/13 23:43*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*21 - 110*	*05/24/13 08:29*	*05/26/13 23:43*	*1*
Nitrobenzene-d5 (Surr)	*66*		*21 - 110*	*05/24/13 08:29*	*05/26/13 23:43*	*1*
Phenol-d5 (Surr)	*23*		*21 - 110*	*05/24/13 08:29*	*05/26/13 23:43*	*1*
Terphenyl-d14 (Surr)	*57*		*24 - 110*	*05/24/13 08:29*	*05/26/13 23:43*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/13/13 09:04	05/14/13 12:07	1
Antimony	**0.41**	**J B**	2.0	0.11	ug/L		05/13/13 09:04	05/14/13 12:07	1
Arsenic	**0.24**	**J B**	3.0	0.063	ug/L		05/13/13 09:04	05/14/13 12:07	1
Barium	ND		1.0	0.32	ug/L		05/13/13 09:04	05/14/13 12:07	1
Beryllium	**0.036**	**J**	1.0	0.031	ug/L		05/13/13 09:04	05/14/13 12:07	1
Calcium	ND		1000	27	ug/L		05/13/13 09:04	05/14/13 12:07	1
Cadmium	ND		1.0	0.026	ug/L		05/13/13 09:04	05/14/13 12:07	1
Cobalt	**0.035**	**J**	1.0	0.020	ug/L		05/13/13 09:04	05/14/13 12:07	1
Chromium	**0.23**	**J**	2.0	0.13	ug/L		05/13/13 09:04	05/14/13 12:07	1
Copper	ND		2.0	0.24	ug/L		05/13/13 09:04	05/14/13 12:07	1
Iron	ND		100	12	ug/L		05/13/13 09:04	05/14/13 12:07	1
Magnesium	ND		1000	15	ug/L		05/13/13 09:04	05/14/13 12:07	1
Potassium	ND		1000	5.1	ug/L		05/13/13 09:04	05/14/13 12:07	1
Manganese	ND		5.0	0.41	ug/L		05/13/13 09:04	05/14/13 12:07	1
Nickel	**0.16**	**J**	2.0	0.088	ug/L		05/13/13 09:04	05/14/13 12:07	1
Lead	ND		1.0	0.14	ug/L		05/13/13 09:04	05/14/13 12:07	1
Selenium	ND		5.0	0.34	ug/L		05/13/13 09:04	05/14/13 12:07	1
Thallium	**0.60**	**J**	1.0	0.40	ug/L		05/13/13 09:04	05/14/13 12:07	1
Zinc	ND		20	2.1	ug/L		05/13/13 09:04	05/14/13 12:07	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: FIELD EQUIP BLANK 1
Date Collected: 05/10/13 10:45
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-5
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.0083	ug/L		05/13/13 09:04	05/14/13 12:07	1
Sodium	ND		1000	4.2	ug/L		05/13/13 09:04	05/14/13 12:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/13/13 15:35	05/15/13 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/15/13 22:08	1
Sulfate	ND		1.0	0.12	mg/L			05/15/13 22:08	1
Ammonia (as N)	ND		0.20	0.035	mg/L			05/16/13 12:42	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:33	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 12:22	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 09:30	05/15/13 11:52	1
Ferrous Iron	ND	HF	0.050	0.018	mg/L			05/10/13 14:59	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 7
Date Collected: 05/10/13 00:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 20:12	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 20:12	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 20:12	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 20:12	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 20:12	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 20:12	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 20:12	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 20:12	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 20:12	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 20:12	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 20:12	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 20:12	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 20:12	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 20:12	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 20:12	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 20:12	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 20:12	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 20:12	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 20:12	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 20:12	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 20:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 20:12	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 20:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 20:12	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 20:12	1
Toluene	**0.37**	**J**	1.0	0.13	ug/L			05/21/13 20:12	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 20:12	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 20:12	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 20:12	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 20:12	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 20:12	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 20:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 20:12	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 20:12	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 20:12	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 20:12	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 20:12	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 20:12	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 20:12	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 20:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 20:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 20:12	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 20:12	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 20:12	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 20:12	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 20:12	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 20:12	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 20:12	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 7
Date Collected: 05/10/13 00:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-6
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Isobutane	8.2	T J N	ug/L		1.80	75-28-5		05/21/13 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		63 - 129		05/21/13 20:12	1
4-Bromofluorobenzene (Surr)	86		66 - 117		05/21/13 20:12	1
Toluene-d8 (Surr)	94		74 - 115		05/21/13 20:12	1
Dibromofluoromethane (Surr)	100		75 - 121		05/21/13 20:12	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 5
Date Collected: 05/10/13 00:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 20:35	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 20:35	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 20:35	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 20:35	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 20:35	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 20:35	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 20:35	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 20:35	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 20:35	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 20:35	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 20:35	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 20:35	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 20:35	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 20:35	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 20:35	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 20:35	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 20:35	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 20:35	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 20:35	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 20:35	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/21/13 20:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 20:35	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 20:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 20:35	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 20:35	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 20:35	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 20:35	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 20:35	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 20:35	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 20:35	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 20:35	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 20:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 20:35	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 20:35	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 20:35	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 20:35	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 20:35	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 20:35	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 20:35	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 20:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 20:35	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 20:35	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 20:35	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 20:35	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 20:35	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 20:35	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 20:35	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Client Sample ID: TRIP BLANK 5
Date Collected: 05/10/13 00:00
Date Received: 05/10/13 13:51

Lab Sample ID: 240-24251-7
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		63 - 129		05/21/13 20:35	1
4-Bromofluorobenzene (Surr)	87		66 - 117		05/21/13 20:35	1
Toluene-d8 (Surr)	93		74 - 115		05/21/13 20:35	1
Dibromofluoromethane (Surr)	105		75 - 121		05/21/13 20:35	1

Surrogate Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-24251-1	MW-18S	107	84	90	99
240-24251-2	MW-18I	122	87	95	105
240-24251-2 MS	MW-18I	110	96	97	101
240-24251-2 MSD	MW-18I	107	96	100	99
240-24251-3	TRIP BLANK 6	114	86	94	105
240-24251-4	MW-22I	110	85	93	101
240-24251-5	FIELD EQUIP BLANK 1	115	90	97	106
240-24251-6	TRIP BLANK 7	108	86	94	100
240-24251-7	TRIP BLANK 5	113	87	93	105
LCS 240-86761/4	Lab Control Sample	107	102	98	102
MB 240-86761/6	Method Blank	106	84	94	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)
240-24251-1	MW-18S	51	52	51	52	57	40
240-24251-1 - RE	MW-18S	61	37	63	58	23	33
240-24251-2	MW-18I	56	66	62	58	68	43
240-24251-2 - RE	MW-18I	70	46	80	69	29	56
240-24251-2 MS	MW-18I	50	56	54	55	58	39
240-24251-2 MS - RE	MW-18I	64	32	66	70	19 X	45
240-24251-2 MSD	MW-18I	53	58	57	58	61	43
240-24251-2 MSD - RE	MW-18I	69	37	69	72	21	50
240-24251-4	MW-22I	58	63	67	59	65	44
240-24251-4 - RE	MW-22I	61	36	63	60	21	38
240-24251-5	FIELD EQUIP BLANK 1	51	54	57	53	57	42
240-24251-5 - RE	FIELD EQUIP BLANK 1	70	39	72	66	23	57
LCS 240-86126/8-A	Lab Control Sample	54	63	57	60	65	46
LCS 240-86337/22-A	Lab Control Sample	56	59	64	57	61	44
LCS 240-87232/15-A	Lab Control Sample	69	58	76	75	42	76
MB 240-86126/9-A	Method Blank	39	60	57	53	64	43
MB 240-86337/21-A	Method Blank	55	61	65	60	64	47
MB 240-87232/14-A	Method Blank	71	55	81	72	38	78

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 240-86761/6
Matrix: Water
Analysis Batch: 86761

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/21/13 15:45	1
Benzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/21/13 15:45	1
Bromoform	ND		1.0	0.64	ug/L			05/21/13 15:45	1
Bromomethane	ND		1.0	0.41	ug/L			05/21/13 15:45	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/21/13 15:45	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/21/13 15:45	1
Chloroethane	ND		1.0	0.29	ug/L			05/21/13 15:45	1
Chloroform	ND		1.0	0.16	ug/L			05/21/13 15:45	1
Chloromethane	ND		1.0	0.30	ug/L			05/21/13 15:45	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/21/13 15:45	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/21/13 15:45	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 15:45	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/21/13 15:45	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/21/13 15:45	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/21/13 15:45	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/21/13 15:45	1
2-Hexanone	ND		10	0.41	ug/L			05/21/13 15:45	1
Methylene Chloride	0.401	J	1.0	0.33	ug/L			05/21/13 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/21/13 15:45	1
Styrene	ND		1.0	0.11	ug/L			05/21/13 15:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/21/13 15:45	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/21/13 15:45	1
Toluene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Trichloroethene	ND		1.0	0.17	ug/L			05/21/13 15:45	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/21/13 15:45	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/21/13 15:45	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/21/13 15:45	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/21/13 15:45	1
Cyclohexane	ND		1.0	0.12	ug/L			05/21/13 15:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/21/13 15:45	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/21/13 15:45	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/21/13 15:45	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/21/13 15:45	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/21/13 15:45	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Methyl acetate	ND		10	0.38	ug/L			05/21/13 15:45	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/21/13 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/21/13 15:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/21/13 15:45	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/21/13 15:45	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/21/13 15:45	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/21/13 15:45	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/21/13 15:45	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/21/13 15:45	1

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

Lab Sample ID: MB 240-86761/6
Matrix: Water
Analysis Batch: 86761

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/21/13 15:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		63 - 129		05/21/13 15:45	1
4-Bromofluorobenzene (Surr)	84		66 - 117		05/21/13 15:45	1
Toluene-d8 (Surr)	94		74 - 115		05/21/13 15:45	1
Dibromofluoromethane (Surr)	97		75 - 121		05/21/13 15:45	1

Lab Sample ID: LCS 240-86761/4
Matrix: Water
Analysis Batch: 86761

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	24.8		ug/L		124	43 - 136
Benzene	10.0	10.3		ug/L		103	83 - 112
Dichlorobromomethane	10.0	10.6		ug/L		106	72 - 121
Bromoform	10.0	8.35		ug/L		84	40 - 131
Bromomethane	10.0	6.93		ug/L		69	11 - 185
2-Butanone (MEK)	20.0	20.1		ug/L		100	60 - 126
Carbon disulfide	10.0	9.21		ug/L		92	62 - 142
Carbon tetrachloride	10.0	11.1		ug/L		111	66 - 128
Chlorobenzene	10.0	9.57		ug/L		96	85 - 110
Chloroethane	10.0	6.93		ug/L		69	25 - 153
Chloroform	10.0	10.6		ug/L		106	79 - 117
Chloromethane	10.0	10.3		ug/L		103	44 - 126
1,1-Dichloroethane	10.0	10.5		ug/L		105	82 - 115
1,2-Dichloroethane	10.0	11.1		ug/L		111	71 - 127
1,1-Dichloroethene	10.0	10.7		ug/L		107	78 - 131
1,2-Dichloropropane	10.0	10.2		ug/L		102	81 - 115
cis-1,3-Dichloropropene	10.0	9.25		ug/L		93	61 - 115
trans-1,3-Dichloropropene	10.0	8.52		ug/L		85	58 - 117
Ethylbenzene	10.0	9.69		ug/L		97	83 - 112
2-Hexanone	20.0	19.1		ug/L		95	55 - 133
Methylene Chloride	10.0	10.1		ug/L		101	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.3		ug/L		96	63 - 128
Styrene	10.0	9.89		ug/L		99	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.93		ug/L		99	68 - 118
Tetrachloroethene	10.0	9.60		ug/L		96	79 - 114
Toluene	10.0	9.66		ug/L		97	84 - 111
Trichloroethene	10.0	10.2		ug/L		102	76 - 117
Vinyl chloride	10.0	10.2		ug/L		102	53 - 127
Xylenes, Total	30.0	28.8		ug/L		96	83 - 112
1,1,1-Trichloroethane	10.0	10.2		ug/L		102	74 - 118
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	80 - 112
Cyclohexane	10.0	10.3		ug/L		103	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.29		ug/L		73	42 - 136
Ethylene Dibromide	10.0	9.85		ug/L		99	79 - 113

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

Lab Sample ID: LCS 240-86761/4
Matrix: Water
Analysis Batch: 86761

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	9.68		ug/L		97	19 - 129
cis-1,2-Dichloroethene	10.0	9.90		ug/L		99	80 - 113
trans-1,2-Dichloroethene	10.0	10.0		ug/L		100	83 - 117
Isopropylbenzene	10.0	9.47		ug/L		95	75 - 114
Methyl acetate	10.0	11.2		ug/L		112	58 - 131
Methyl tert-butyl ether	10.0	9.17		ug/L		92	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.6		ug/L		126	74 - 151
1,2,4-Trichlorobenzene	10.0	7.17		ug/L		72	48 - 135
1,2-Dichlorobenzene	10.0	9.05		ug/L		91	81 - 110
1,3-Dichlorobenzene	10.0	9.26		ug/L		93	80 - 110
1,4-Dichlorobenzene	10.0	9.20		ug/L		92	82 - 110
Trichlorofluoromethane	10.0	12.0		ug/L		120	49 - 157
Chlorodibromomethane	10.0	9.15		ug/L		92	64 - 119
Methylcyclohexane	10.0	9.89		ug/L		99	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*
Toluene-d8 (Surr)	*98*		*74 - 115*
Dibromofluoromethane (Surr)	*102*		*75 - 121*

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 86761

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		20.0	15.3		ug/L		76	33 - 145
Benzene	ND		10.0	6.65	F	ug/L		67	72 - 121
Dichlorobromomethane	ND		10.0	6.16	F	ug/L		62	67 - 120
Bromoform	ND		10.0	5.11		ug/L		51	32 - 128
Bromomethane	ND		10.0	7.16		ug/L		72	10 - 186
2-Butanone (MEK)	ND		20.0	15.5		ug/L		77	54 - 129
Carbon disulfide	ND		10.0	6.77		ug/L		68	57 - 147
Carbon tetrachloride	ND		10.0	8.33		ug/L		83	59 - 129
Chlorobenzene	ND		10.0	5.99	F	ug/L		60	80 - 110
Chloroethane	ND		10.0	6.71		ug/L		67	21 - 165
Chloroform	ND		10.0	6.50	F	ug/L		65	76 - 118
Chloromethane	ND		10.0	6.47		ug/L		65	33 - 132
1,1-Dichloroethane	ND		10.0	6.65	F	ug/L		67	79 - 116
1,2-Dichloroethane	ND		10.0	6.96		ug/L		70	68 - 129
1,1-Dichloroethene	ND		10.0	7.51		ug/L		75	74 - 135
1,2-Dichloropropane	ND		10.0	6.34	F	ug/L		63	78 - 115
cis-1,3-Dichloropropene	ND		10.0	5.00	F	ug/L		50	51 - 110
trans-1,3-Dichloropropene	ND		10.0	4.79		ug/L		48	46 - 116
Ethylbenzene	ND		10.0	6.22	F	ug/L		62	75 - 116
2-Hexanone	ND		20.0	14.7		ug/L		73	47 - 139
Methylene Chloride	ND		10.0	5.64	F	ug/L		56	63 - 128

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

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 86761

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	ND		20.0	14.5		ug/L		73	56 - 131
Styrene	ND		10.0	5.81	F	ug/L		58	71 - 117
1,1,2,2-Tetrachloroethane	ND		10.0	7.67		ug/L		77	63 - 122
Tetrachloroethene	ND		10.0	6.88	F	ug/L		69	70 - 117
Toluene	ND		10.0	6.21	F	ug/L		62	78 - 114
Trichloroethene	ND		10.0	6.67		ug/L		67	66 - 120
Vinyl chloride	ND		10.0	7.60		ug/L		76	49 - 130
Xylenes, Total	ND		30.0	18.1	F	ug/L		60	76 - 116
1,1,1-Trichloroethane	ND		10.0	7.13		ug/L		71	68 - 121
1,1,2-Trichloroethane	ND		10.0	6.59	F	ug/L		66	75 - 115
Cyclohexane	ND		10.0	9.35		ug/L		93	49 - 123
1,2-Dibromo-3-Chloropropane	ND		10.0	5.92		ug/L		59	32 - 139
Ethylene Dibromide	ND		10.0	6.48	F	ug/L		65	74 - 113
Dichlorodifluoromethane	ND		10.0	9.65		ug/L		97	17 - 128
cis-1,2-Dichloroethene	ND		10.0	6.25	F	ug/L		62	70 - 120
trans-1,2-Dichloroethene	ND		10.0	6.68	F	ug/L		67	80 - 119
Isopropylbenzene	ND		10.0	5.84	F	ug/L		58	68 - 116
Methyl acetate	ND		10.0	8.25	J	ug/L		83	47 - 130
Methyl tert-butyl ether	ND		10.0	5.96		ug/L		60	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	12.2		ug/L		122	70 - 152
1,2,4-Trichlorobenzene	ND		10.0	4.65		ug/L		47	38 - 138
1,2-Dichlorobenzene	ND		10.0	6.09	F	ug/L		61	75 - 111
1,3-Dichlorobenzene	ND		10.0	6.03	F	ug/L		60	73 - 110
1,4-Dichlorobenzene	ND		10.0	6.00	F	ug/L		60	75 - 110
Trichlorofluoromethane	ND		10.0	12.3		ug/L		123	46 - 157
Chlorodibromomethane	ND		10.0	5.55	F	ug/L		55	56 - 118
Methylcyclohexane	ND		10.0	9.28		ug/L		93	49 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*63 - 129*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*
Toluene-d8 (Surr)	*97*		*74 - 115*
Dibromofluoromethane (Surr)	*101*		*75 - 121*

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 86761

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		20.0	16.1		ug/L		80	33 - 145	5	30
Benzene	ND		10.0	6.87	F	ug/L		69	72 - 121	3	30
Dichlorobromomethane	ND		10.0	6.56	F	ug/L		66	67 - 120	6	30
Bromoform	ND		10.0	5.41		ug/L		54	32 - 128	6	30
Bromomethane	ND		10.0	6.83		ug/L		68	10 - 186	5	30
2-Butanone (MEK)	ND		20.0	15.5		ug/L		78	54 - 129	0	30
Carbon disulfide	ND		10.0	6.85		ug/L		69	57 - 147	1	30
Carbon tetrachloride	ND		10.0	8.32		ug/L		83	59 - 129	0	30

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

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 86761

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	ND		10.0	6.22	F	ug/L		62	80 - 110	4	30
Chloroethane	ND		10.0	6.80		ug/L		68	21 - 165	1	30
Chloroform	ND		10.0	6.85	F	ug/L		69	76 - 118	5	30
Chloromethane	ND		10.0	6.66		ug/L		67	33 - 132	3	30
1,1-Dichloroethane	ND		10.0	6.81	F	ug/L		68	79 - 116	2	30
1,2-Dichloroethane	ND		10.0	7.25		ug/L		73	68 - 129	4	30
1,1-Dichloroethene	ND		10.0	7.76		ug/L		78	74 - 135	3	30
1,2-Dichloropropane	ND		10.0	6.65	F	ug/L		66	78 - 115	5	30
cis-1,3-Dichloropropene	ND		10.0	5.35		ug/L		53	51 - 110	7	30
trans-1,3-Dichloropropene	ND		10.0	5.21		ug/L		52	46 - 116	8	30
Ethylbenzene	ND		10.0	6.43	F	ug/L		64	75 - 116	3	30
2-Hexanone	ND		20.0	15.2		ug/L		76	47 - 139	4	30
Methylene Chloride	ND		10.0	6.01	F	ug/L		60	63 - 128	6	30
4-Methyl-2-pentanone (MIBK)	ND		20.0	15.0		ug/L		75	56 - 131	3	30
Styrene	ND		10.0	6.03	F	ug/L		60	71 - 117	4	30
1,1,2,2-Tetrachloroethane	ND		10.0	7.95		ug/L		79	63 - 122	4	30
Tetrachloroethene	ND		10.0	7.07		ug/L		71	70 - 117	3	30
Toluene	ND		10.0	6.44	F	ug/L		64	78 - 114	4	30
Trichloroethene	ND		10.0	6.68		ug/L		67	66 - 120	0	30
Vinyl chloride	ND		10.0	7.59		ug/L		76	49 - 130	0	30
Xylenes, Total	ND		30.0	18.8	F	ug/L		63	76 - 116	4	30
1,1,1-Trichloroethane	ND		10.0	7.45		ug/L		74	68 - 121	4	30
1,1,2-Trichloroethane	ND		10.0	7.03	F	ug/L		70	75 - 115	6	30
Cyclohexane	ND		10.0	8.42		ug/L		84	49 - 123	10	30
1,2-Dibromo-3-Chloropropane	ND		10.0	6.48		ug/L		65	32 - 139	9	30
Ethylene Dibromide	ND		10.0	6.70	F	ug/L		67	74 - 113	3	30
Dichlorodifluoromethane	ND		10.0	9.80		ug/L		98	17 - 128	1	30
cis-1,2-Dichloroethene	ND		10.0	6.46	F	ug/L		65	70 - 120	3	30
trans-1,2-Dichloroethene	ND		10.0	6.94	F	ug/L		69	80 - 119	4	30
Isopropylbenzene	ND		10.0	5.88	F	ug/L		59	68 - 116	1	30
Methyl acetate	ND		10.0	7.95	J	ug/L		79	47 - 130	4	30
Methyl tert-butyl ether	ND		10.0	6.24		ug/L		62	46 - 144	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	11.8		ug/L		118	70 - 152	3	30
1,2,4-Trichlorobenzene	ND		10.0	4.79		ug/L		48	38 - 138	3	30
1,2-Dichlorobenzene	ND		10.0	6.34	F	ug/L		63	75 - 111	4	30
1,3-Dichlorobenzene	ND		10.0	6.25	F	ug/L		62	73 - 110	4	30
1,4-Dichlorobenzene	ND		10.0	6.10	F	ug/L		61	75 - 110	2	30
Trichlorofluoromethane	ND		10.0	12.2		ug/L		122	46 - 157	1	30
Chlorodibromomethane	ND		10.0	5.88		ug/L		59	56 - 118	6	30
Methylcyclohexane	ND		10.0	7.66		ug/L		77	49 - 127	19	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*
Toluene-d8 (Surr)	*100*		*74 - 115*
Dibromofluoromethane (Surr)	*99*		*75 - 121*

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

Lab Sample ID: MB 240-86126/9-A
Matrix: Water
Analysis Batch: 86992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/16/13 08:52	05/22/13 22:24	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/16/13 08:52	05/22/13 22:24	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/16/13 08:52	05/22/13 22:24	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/16/13 08:52	05/22/13 22:24	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/16/13 08:52	05/22/13 22:24	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/16/13 08:52	05/22/13 22:24	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/16/13 08:52	05/22/13 22:24	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/16/13 08:52	05/22/13 22:24	1
Acenaphthene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Acetophenone	ND		1.0	0.34	ug/L		05/16/13 08:52	05/22/13 22:24	1
Anthracene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Atrazine	ND		1.0	0.34	ug/L		05/16/13 08:52	05/22/13 22:24	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/16/13 08:52	05/22/13 22:24	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/16/13 08:52	05/22/13 22:24	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
Caprolactam	ND		5.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
Carbazole	ND		1.0	0.28	ug/L		05/16/13 08:52	05/22/13 22:24	1
Chrysene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/16/13 08:52	05/22/13 22:24	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/16/13 08:52	05/22/13 22:24	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/16/13 08:52	05/22/13 22:24	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1

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

Lab Sample ID: MB 240-86126/9-A
Matrix: Water
Analysis Batch: 86992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Fluorene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/16/13 08:52	05/22/13 22:24	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Isophorone	ND		1.0	0.27	ug/L		05/16/13 08:52	05/22/13 22:24	1
Naphthalene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/16/13 08:52	05/22/13 22:24	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/16/13 08:52	05/22/13 22:24	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/16/13 08:52	05/22/13 22:24	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/16/13 08:52	05/22/13 22:24	1
Phenol	ND		1.0	0.60	ug/L		05/16/13 08:52	05/22/13 22:24	1
Phenanthrene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
Pyrene	ND		0.20	0.10	ug/L		05/16/13 08:52	05/22/13 22:24	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/16/13 08:52	05/22/13 22:24	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Hexadecanoic acid	*4.63*	*T J N*	*ug/L*		*10.73*	*57-10-3*	*05/16/13 08:52*	*05/22/13 22:24*	*1*
Octadecanoic acid	*3.20*	*T J N*	*ug/L*		*11.39*	*57-11-4*	*05/16/13 08:52*	*05/22/13 22:24*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*39*		*20 - 110*	*05/16/13 08:52*	*05/22/13 22:24*	*1*
2-Fluorophenol (Surr)	*60*		*10 - 110*	*05/16/13 08:52*	*05/22/13 22:24*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 110*	*05/16/13 08:52*	*05/22/13 22:24*	*1*
Nitrobenzene-d5 (Surr)	*53*		*21 - 110*	*05/16/13 08:52*	*05/22/13 22:24*	*1*
Phenol-d5 (Surr)	*64*		*21 - 110*	*05/16/13 08:52*	*05/22/13 22:24*	*1*
Terphenyl-d14 (Surr)	*43*		*24 - 110*	*05/16/13 08:52*	*05/22/13 22:24*	*1*

Lab Sample ID: LCS 240-86126/8-A
Matrix: Water
Analysis Batch: 86992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	8.47	*	ug/L		42	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	11.3		ug/L		57	37 - 110
2,4,5-Trichlorophenol	20.0	12.4		ug/L		62	48 - 110
2,4,6-Trichlorophenol	20.0	12.2		ug/L		61	45 - 110
2,4-Dichlorophenol	20.0	12.5		ug/L		63	41 - 110
2,4-Dimethylphenol	20.0	8.55		ug/L		43	32 - 110
2,4-Dinitrophenol	40.0	24.3		ug/L		61	10 - 110
2,4-Dinitrotoluene	20.0	12.2		ug/L		61	53 - 110
2-Chloronaphthalene	20.0	8.29	*	ug/L		41	43 - 110
2-Chlorophenol	20.0	12.8		ug/L		64	29 - 110
2-Methylnaphthalene	20.0	8.73	*	ug/L		44	45 - 110
2-Methylphenol	20.0	12.6		ug/L		63	42 - 110

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

Lab Sample ID: LCS 240-86126/8-A
Matrix: Water
Analysis Batch: 86992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	20.0	13.2		ug/L		66	54 - 110
2-Nitrophenol	20.0	12.2		ug/L		61	40 - 110
3,3'-Dichlorobenzidine	40.0	21.4		ug/L		54	22 - 110
3-Nitroaniline	20.0	11.9		ug/L		60	53 - 110
4,6-Dinitro-2-methylphenol	40.0	27.0		ug/L		67	31 - 110
4-Bromophenyl phenyl ether	20.0	9.48		ug/L		47	45 - 110
4-Chloro-3-methylphenol	20.0	12.9		ug/L		64	52 - 110
4-Chloroaniline	20.0	12.2		ug/L		61	44 - 110
4-Chlorophenyl phenyl ether	20.0	9.22	*	ug/L		46	47 - 110
4-Nitroaniline	20.0	13.1		ug/L		66	54 - 110
4-Nitrophenol	40.0	26.4		ug/L		66	33 - 112
Acenaphthene	20.0	8.54	*	ug/L		43	47 - 110
Acenaphthylene	20.0	8.48	*	ug/L		42	49 - 110
Anthracene	20.0	11.0		ug/L		55	52 - 110
Benzo[a]anthracene	20.0	12.4		ug/L		62	52 - 110
Benzo[a]pyrene	20.0	12.4		ug/L		62	44 - 110
Benzo[b]fluoranthene	20.0	13.3		ug/L		66	48 - 110
Benzo[g,h,i]perylene	20.0	13.1		ug/L		65	50 - 110
Benzo[k]fluoranthene	20.0	12.9		ug/L		65	49 - 110
Bis(2-chloroethoxy)methane	20.0	12.9		ug/L		65	43 - 110
Bis(2-chloroethyl)ether	20.0	12.8		ug/L		64	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	13.3		ug/L		66	39 - 116
Butyl benzyl phthalate	20.0	13.5		ug/L		67	55 - 110
Caprolactam	40.0	24.9		ug/L		62	45 - 111
Carbazole	20.0	13.2		ug/L		66	55 - 110
Chrysene	20.0	12.5		ug/L		63	55 - 110
Dibenz(a,h)anthracene	20.0	13.0		ug/L		65	49 - 110
Dibenzofuran	20.0	8.97	*	ug/L		45	51 - 110
Diethyl phthalate	20.0	11.8		ug/L		59	58 - 110
Dimethyl phthalate	20.0	12.9		ug/L		64	57 - 110
Di-n-butyl phthalate	20.0	13.9		ug/L		70	57 - 110
Di-n-octyl phthalate	20.0	12.4		ug/L		62	40 - 110
Fluoranthene	20.0	13.4		ug/L		67	54 - 110
Fluorene	20.0	9.42	*	ug/L		47	52 - 110
Hexachlorobenzene	20.0	10.3		ug/L		51	50 - 110
Hexachlorobutadiene	20.0	8.26		ug/L		41	33 - 110
Hexachlorocyclopentadiene	20.0	ND	*	ug/L		1	10 - 110
Hexachloroethane	20.0	8.58		ug/L		43	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	13.2		ug/L		66	50 - 110
Isophorone	20.0	12.6		ug/L		63	49 - 110
Naphthalene	20.0	9.02		ug/L		45	44 - 110
N-Nitrosodi-n-propylamine	20.0	12.5		ug/L		63	47 - 110
N-Nitrosodiphenylamine	40.0	21.9		ug/L		55	50 - 110
Pentachlorophenol	40.0	25.2		ug/L		63	18 - 110
Phenol	20.0	13.5		ug/L		68	33 - 110
Phenanthrene	20.0	10.4	*	ug/L		52	53 - 110
Pyrene	20.0	12.8		ug/L		64	52 - 110
3 & 4 Methylphenol	20.0	13.0		ug/L		65	44 - 110

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

Lab Sample ID: LCS 240-86126/8-A
Matrix: Water
Analysis Batch: 86992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*54*		*20 - 110*
2-Fluorophenol (Surr)	*63*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 110*
Nitrobenzene-d5 (Surr)	*60*		*21 - 110*
Phenol-d5 (Surr)	*65*		*21 - 110*
Terphenyl-d14 (Surr)	*46*		*24 - 110*

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 86992

Client Sample ID: MW-18I
Prep Type: Total/NA
Prep Batch: 86126

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	ND	*	19.0	9.03		ug/L		47	34 - 110
2,2'-oxybis[1-chloropropane]	ND		19.0	11.9		ug/L		62	10 - 145
2,4,5-Trichlorophenol	ND		19.0	10.6		ug/L		56	36 - 110
2,4,6-Trichlorophenol	ND		19.0	10.9		ug/L		57	33 - 110
2,4-Dichlorophenol	ND		19.0	10.8		ug/L		57	28 - 110
2,4-Dimethylphenol	ND		19.0	9.76		ug/L		51	15 - 110
2,4-Dinitrophenol	ND		38.1	22.3		ug/L		59	10 - 124
2,4-Dinitrotoluene	ND		19.0	9.91		ug/L		52	37 - 110
2-Chloronaphthalene	ND	*	19.0	8.88		ug/L		47	28 - 110
2-Chlorophenol	ND		19.0	11.3		ug/L		59	20 - 110
2-Methylnaphthalene	ND	*	19.0	9.38		ug/L		49	32 - 110
2-Methylphenol	ND		19.0	11.2		ug/L		59	27 - 110
2-Nitroaniline	ND		19.0	11.0		ug/L		58	38 - 110
2-Nitrophenol	ND		19.0	11.1		ug/L		58	26 - 110
3,3'-Dichlorobenzidine	ND		38.1	1.69	J F	ug/L		4	10 - 110
3-Nitroaniline	ND		19.0	8.96		ug/L		47	22 - 110
4,6-Dinitro-2-methylphenol	ND		38.1	22.4		ug/L		59	10 - 110
4-Bromophenyl phenyl ether	ND		19.0	8.97		ug/L		47	26 - 110
4-Chloro-3-methylphenol	ND		19.0	11.6		ug/L		61	38 - 110
4-Chloroaniline	ND		19.0	9.52		ug/L		50	15 - 110
4-Chlorophenyl phenyl ether	ND	*	19.0	9.16		ug/L		48	30 - 110
4-Nitroaniline	ND		19.0	10.3		ug/L		54	18 - 110
4-Nitrophenol	ND		38.1	22.9		ug/L		60	16 - 111
Acenaphthene	ND	*	19.0	9.03		ug/L		47	35 - 110
Acenaphthylene	ND	*	19.0	9.06		ug/L		48	33 - 110
Anthracene	ND		19.0	8.03		ug/L		42	26 - 110
Benzo[a]anthracene	ND		19.0	8.46		ug/L		44	16 - 110
Benzo[a]pyrene	ND		19.0	8.44		ug/L		44	10 - 110
Benzo[b]fluoranthene	ND		19.0	8.93		ug/L		47	10 - 110
Benzo[g,h,i]perylene	ND		19.0	9.22		ug/L		48	10 - 110
Benzo[k]fluoranthene	ND		19.0	8.74		ug/L		46	10 - 110
Bis(2-chloroethoxy)methane	ND		19.0	11.4		ug/L		60	27 - 110
Bis(2-chloroethyl)ether	ND		19.0	11.5		ug/L		61	24 - 110
Bis(2-ethylhexyl) phthalate	ND		19.0	9.25		ug/L		49	10 - 112
Butyl benzyl phthalate	ND		19.0	9.19		ug/L		48	31 - 110
Caprolactam	ND		38.1	21.9		ug/L		58	10 - 199

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

Lab Sample ID: 240-24251-2 MS — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86992 — **Prep Batch: 86126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	ND		19.0	11.1		ug/L		58	28 - 110
Chrysene	ND		19.0	8.64		ug/L		45	17 - 110
Dibenz(a,h)anthracene	ND		19.0	9.17		ug/L		48	10 - 111
Dibenzofuran	ND	*	19.0	9.32		ug/L		49	36 - 110
Diethyl phthalate	ND		19.0	9.85		ug/L		52	42 - 110
Dimethyl phthalate	ND		19.0	10.6		ug/L		56	42 - 110
Di-n-butyl phthalate	ND		19.0	9.72		ug/L		51	35 - 110
Di-n-octyl phthalate	ND		19.0	8.85		ug/L		46	10 - 118
Fluoranthene	ND		19.0	9.35		ug/L		49	31 - 110
Fluorene	ND	*	19.0	9.13		ug/L		48	36 - 110
Hexachlorobenzene	ND		19.0	8.30		ug/L		44	23 - 110
Hexachlorobutadiene	ND		19.0	6.73		ug/L		35	15 - 110
Hexachlorocyclopentadiene	ND	*	19.0	1.43	J F	ug/L		7	10 - 110
Hexachloroethane	ND		19.0	7.74		ug/L		41	10 - 122
Indeno[1,2,3-cd]pyrene	ND		19.0	9.14		ug/L		48	10 - 110
Isophorone	ND		19.0	10.9		ug/L		57	33 - 110
Naphthalene	ND		19.0	9.42		ug/L		49	28 - 110
N-Nitrosodi-n-propylamine	ND		19.0	11.0		ug/L		58	32 - 110
N-Nitrosodiphenylamine	ND		38.1	14.3		ug/L		38	10 - 110
Pentachlorophenol	ND		38.1	23.6		ug/L		62	10 - 123
Phenol	ND		19.0	11.2		ug/L		59	25 - 110
Phenanthrene	ND	*	19.0	8.78		ug/L		46	34 - 110
Pyrene	ND		19.0	9.12		ug/L		48	32 - 110
3 & 4 Methylphenol	ND		19.0	11.4		ug/L		60	31 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*50*		*20 - 110*
2-Fluorophenol (Surr)	*56*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*54*		*21 - 110*
Nitrobenzene-d5 (Surr)	*55*		*21 - 110*
Phenol-d5 (Surr)	*58*		*21 - 110*
Terphenyl-d14 (Surr)	*39*		*24 - 110*

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86992 — **Prep Batch: 86126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	ND	*	19.0	10.2		ug/L		54	34 - 110	12	31
2,2'-oxybis[1-chloropropane]	ND		19.0	12.4		ug/L		65	10 - 145	5	43
2,4,5-Trichlorophenol	ND		19.0	11.4		ug/L		60	36 - 110	7	60
2,4,6-Trichlorophenol	ND		19.0	11.5		ug/L		60	33 - 110	6	63
2,4-Dichlorophenol	ND		19.0	11.8		ug/L		62	28 - 110	8	69
2,4-Dimethylphenol	ND		19.0	10.6		ug/L		56	15 - 110	8	36
2,4-Dinitrophenol	ND		38.1	24.9		ug/L		65	10 - 124	11	70
2,4-Dinitrotoluene	ND		19.0	11.0		ug/L		58	37 - 110	10	56
2-Chloronaphthalene	ND	*	19.0	9.91		ug/L		52	28 - 110	11	37
2-Chlorophenol	ND		19.0	11.5		ug/L		60	20 - 110	2	70

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

Lab Sample ID: 240-24251-2 MSD | **Client Sample ID: MW-18I**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 86992 | **Prep Batch: 86126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	ND	*	19.0	10.4		ug/L		55	32 - 110	11	33
2-Methylphenol	ND		19.0	11.7		ug/L		62	27 - 110	5	42
2-Nitroaniline	ND		19.0	12.0		ug/L		63	38 - 110	9	32
2-Nitrophenol	ND		19.0	11.4		ug/L		60	26 - 110	3	64
3,3'-Dichlorobenzidine	ND		38.1	2.01	J F	ug/L		5	10 - 110	17	99
3-Nitroaniline	ND		19.0	10.5		ug/L		55	22 - 110	16	69
4,6-Dinitro-2-methylphenol	ND		38.1	24.1		ug/L		63	10 - 110	8	93
4-Bromophenyl phenyl ether	ND		19.0	9.86		ug/L		52	26 - 110	9	35
4-Chloro-3-methylphenol	ND		19.0	12.7		ug/L		67	38 - 110	9	35
4-Chloroaniline	ND		19.0	11.0		ug/L		58	15 - 110	14	73
4-Chlorophenyl phenyl ether	ND	*	19.0	10.4		ug/L		55	30 - 110	13	36
4-Nitroaniline	ND		19.0	11.6		ug/L		61	18 - 110	11	60
4-Nitrophenol	ND		38.1	25.6		ug/L		67	16 - 111	11	65
Acenaphthene	ND	*	19.0	10.3		ug/L		54	35 - 110	14	30
Acenaphthylene	ND	*	19.0	10.1		ug/L		53	33 - 110	11	30
Anthracene	ND		19.0	9.30		ug/L		49	26 - 110	15	37
Benzo[a]anthracene	ND		19.0	9.77		ug/L		51	16 - 110	14	30
Benzo[a]pyrene	ND		19.0	9.80		ug/L		51	10 - 110	15	60
Benzo[b]fluoranthene	ND		19.0	10.4		ug/L		55	10 - 110	15	45
Benzo[g,h,i]perylene	ND		19.0	10.6		ug/L		55	10 - 110	14	60
Benzo[k]fluoranthene	ND		19.0	10.1		ug/L		53	10 - 110	15	48
Bis(2-chloroethoxy)methane	ND		19.0	12.3		ug/L		65	27 - 110	8	33
Bis(2-chloroethyl)ether	ND		19.0	12.4		ug/L		65	24 - 110	7	42
Bis(2-ethylhexyl) phthalate	ND		19.0	10.4		ug/L		55	10 - 112	12	71
Butyl benzyl phthalate	ND		19.0	10.4		ug/L		55	31 - 110	13	37
Caprolactam	ND		38.1	24.4		ug/L		64	10 - 199	11	99
Carbazole	ND		19.0	12.3		ug/L		64	28 - 110	10	30
Chrysene	ND		19.0	9.99		ug/L		52	17 - 110	15	30
Dibenz(a,h)anthracene	ND		19.0	10.4		ug/L		55	10 - 111	13	63
Dibenzofuran	ND	*	19.0	10.6		ug/L		56	36 - 110	13	30
Diethyl phthalate	ND		19.0	10.8		ug/L		57	42 - 110	9	30
Dimethyl phthalate	ND		19.0	11.6		ug/L		61	42 - 110	8	30
Di-n-butyl phthalate	ND		19.0	10.9		ug/L		57	35 - 110	12	37
Di-n-octyl phthalate	ND		19.0	10.3		ug/L		54	10 - 118	15	92
Fluoranthene	ND		19.0	10.4		ug/L		55	31 - 110	11	30
Fluorene	ND	*	19.0	10.3		ug/L		54	36 - 110	12	30
Hexachlorobenzene	ND		19.0	9.42		ug/L		49	23 - 110	13	30
Hexachlorobutadiene	ND		19.0	7.49		ug/L		39	15 - 110	11	49
Hexachlorocyclopentadiene	ND	*	19.0	1.91	J	ug/L		10	10 - 110	29	99
Hexachloroethane	ND		19.0	8.21		ug/L		43	10 - 122	6	44
Indeno[1,2,3-cd]pyrene	ND		19.0	10.7		ug/L		56	10 - 110	15	58
Isophorone	ND		19.0	11.9		ug/L		63	33 - 110	9	31
Naphthalene	ND		19.0	10.3		ug/L		54	28 - 110	8	80
N-Nitrosodi-n-propylamine	ND		19.0	11.9		ug/L		63	32 - 110	8	32
N-Nitrosodiphenylamine	ND		38.1	15.2		ug/L		40	10 - 110	6	38
Pentachlorophenol	ND		38.1	25.0		ug/L		66	10 - 123	6	76
Phenol	ND		19.0	12.2		ug/L		64	25 - 110	8	74
Phenanthrene	ND	*	19.0	9.88		ug/L		52	34 - 110	12	30

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

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86992 — **Prep Batch: 86126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	ND		19.0	10.4		ug/L		55	32 - 110	13	30
3 & 4 Methylphenol	ND		19.0	12.4		ug/L		65	31 - 110	9	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*53*		*20 - 110*
2-Fluorophenol (Surr)	*58*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 110*
Nitrobenzene-d5 (Surr)	*58*		*21 - 110*
Phenol-d5 (Surr)	*61*		*21 - 110*
Terphenyl-d14 (Surr)	*43*		*24 - 110*

Lab Sample ID: MB 240-86337/21-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86723 — **Prep Batch: 86337**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/17/13 10:25	05/21/13 11:08	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/17/13 10:25	05/21/13 11:08	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/17/13 10:25	05/21/13 11:08	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/17/13 10:25	05/21/13 11:08	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/17/13 10:25	05/21/13 11:08	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/17/13 10:25	05/21/13 11:08	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/17/13 10:25	05/21/13 11:08	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/17/13 10:25	05/21/13 11:08	1
Acenaphthene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Acetophenone	ND		1.0	0.34	ug/L		05/17/13 10:25	05/21/13 11:08	1
Anthracene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Atrazine	ND		1.0	0.34	ug/L		05/17/13 10:25	05/21/13 11:08	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/17/13 10:25	05/21/13 11:08	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1

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

Lab Sample ID: MB 240-86337/21-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/17/13 10:25	05/21/13 11:08	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
Caprolactam	ND		5.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
Carbazole	ND		1.0	0.28	ug/L		05/17/13 10:25	05/21/13 11:08	1
Chrysene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/17/13 10:25	05/21/13 11:08	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/17/13 10:25	05/21/13 11:08	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/17/13 10:25	05/21/13 11:08	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
Fluoranthene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Fluorene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/17/13 10:25	05/21/13 11:08	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Isophorone	ND		1.0	0.27	ug/L		05/17/13 10:25	05/21/13 11:08	1
Naphthalene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/17/13 10:25	05/21/13 11:08	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/17/13 10:25	05/21/13 11:08	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/17/13 10:25	05/21/13 11:08	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/17/13 10:25	05/21/13 11:08	1
Phenol	ND		1.0	0.60	ug/L		05/17/13 10:25	05/21/13 11:08	1
Phenanthrene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
Pyrene	ND		0.20	0.10	ug/L		05/17/13 10:25	05/21/13 11:08	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/17/13 10:25	05/21/13 11:08	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dimethylformamide	*3.36*	*J*	*ug/L*		*4.47*	*68-12-2*	*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*0.551*	*T J*	*ug/L*		*5.74*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*0.278*	*T J*	*ug/L*		*6.15*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Acetophenone	*0.400*	*T J N*	*ug/L*		*7.01*	*98-86-2*	*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*0.479*	*T J*	*ug/L*		*7.69*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*0.462*	*T J*	*ug/L*		*8.47*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*1.51*	*T J*	*ug/L*		*12.36*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*1.93*	*T J*	*ug/L*		*14.99*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*0.616*	*T J*	*ug/L*		*15.26*		*05/17/13 10:25*	*05/21/13 11:08*	*1*
Unknown	*1.07*	*T J*	*ug/L*		*17.22*		*05/17/13 10:25*	*05/21/13 11:08*	*1*

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

Lab Sample ID: MB 240-86337/21-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86337

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		20 - 110	05/17/13 10:25	05/21/13 11:08	1
2-Fluorophenol (Surr)	61		10 - 110	05/17/13 10:25	05/21/13 11:08	1
2,4,6-Tribromophenol (Surr)	65		21 - 110	05/17/13 10:25	05/21/13 11:08	1
Nitrobenzene-d5 (Surr)	60		21 - 110	05/17/13 10:25	05/21/13 11:08	1
Phenol-d5 (Surr)	64		21 - 110	05/17/13 10:25	05/21/13 11:08	1
Terphenyl-d14 (Surr)	47		24 - 110	05/17/13 10:25	05/21/13 11:08	1

Lab Sample ID: LCS 240-86337/22-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	12.1		ug/L		60	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	14.0		ug/L		70	37 - 110
2,4,5-Trichlorophenol	20.0	12.3		ug/L		62	48 - 110
2,4,6-Trichlorophenol	20.0	12.5		ug/L		62	45 - 110
2,4-Dichlorophenol	20.0	12.0		ug/L		60	41 - 110
2,4-Dimethylphenol	20.0	6.70		ug/L		34	32 - 110
2,4-Dinitrophenol	40.0	16.7		ug/L		42	10 - 110
2,4-Dinitrotoluene	20.0	14.2		ug/L		71	53 - 110
2-Chloronaphthalene	20.0	12.1		ug/L		60	43 - 110
2-Chlorophenol	20.0	12.9		ug/L		65	29 - 110
2-Methylnaphthalene	20.0	11.9		ug/L		59	45 - 110
2-Methylphenol	20.0	12.6		ug/L		63	42 - 110
2-Nitroaniline	20.0	14.6		ug/L		73	54 - 110
2-Nitrophenol	20.0	13.2		ug/L		66	40 - 110
3,3'-Dichlorobenzidine	40.0	21.1		ug/L		53	22 - 110
3-Nitroaniline	20.0	13.5		ug/L		67	53 - 110
4,6-Dinitro-2-methylphenol	40.0	22.8		ug/L		57	31 - 110
4-Bromophenyl phenyl ether	20.0	14.5		ug/L		72	45 - 110
4-Chloro-3-methylphenol	20.0	12.9		ug/L		65	52 - 110
4-Chloroaniline	20.0	11.9		ug/L		60	44 - 110
4-Chlorophenyl phenyl ether	20.0	13.9		ug/L		69	47 - 110
4-Nitroaniline	20.0	14.1		ug/L		71	54 - 110
4-Nitrophenol	40.0	29.0		ug/L		72	33 - 112
Acenaphthene	20.0	12.5		ug/L		63	47 - 110
Acenaphthylene	20.0	12.4		ug/L		62	49 - 110
Anthracene	20.0	13.1		ug/L		65	52 - 110
Benzo[a]anthracene	20.0	13.4		ug/L		67	52 - 110
Benzo[a]pyrene	20.0	12.6		ug/L		63	44 - 110
Benzo[b]fluoranthene	20.0	13.2		ug/L		66	48 - 110
Benzo[g,h,i]perylene	20.0	12.5		ug/L		63	50 - 110
Benzo[k]fluoranthene	20.0	12.8		ug/L		64	49 - 110
Bis(2-chloroethoxy)methane	20.0	12.7		ug/L		63	43 - 110
Bis(2-chloroethyl)ether	20.0	12.3		ug/L		62	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	14.4		ug/L		72	39 - 116
Butyl benzyl phthalate	20.0	14.3		ug/L		71	55 - 110
Caprolactam	40.0	26.5		ug/L		66	45 - 111

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

Lab Sample ID: LCS 240-86337/22-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	20.0	13.9		ug/L		70	55 - 110
Chrysene	20.0	13.1		ug/L		65	55 - 110
Dibenz(a,h)anthracene	20.0	12.8		ug/L		64	49 - 110
Dibenzofuran	20.0	12.7		ug/L		63	51 - 110
Diethyl phthalate	20.0	14.1		ug/L		71	58 - 110
Dimethyl phthalate	20.0	14.2		ug/L		71	57 - 110
Di-n-butyl phthalate	20.0	15.6		ug/L		78	57 - 110
Di-n-octyl phthalate	20.0	13.6		ug/L		68	40 - 110
Fluoranthene	20.0	14.5		ug/L		73	54 - 110
Fluorene	20.0	13.6		ug/L		68	52 - 110
Hexachlorobenzene	20.0	14.0		ug/L		70	50 - 110
Hexachlorobutadiene	20.0	9.84		ug/L		49	33 - 110
Hexachlorocyclopentadiene	20.0	ND	*	ug/L		0	10 - 110
Hexachloroethane	20.0	9.37		ug/L		47	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	12.8		ug/L		64	50 - 110
Isophorone	20.0	12.7		ug/L		63	49 - 110
Naphthalene	20.0	12.0		ug/L		60	44 - 110
N-Nitrosodi-n-propylamine	20.0	12.9		ug/L		65	47 - 110
N-Nitrosodiphenylamine	40.0	27.2		ug/L		68	50 - 110
Pentachlorophenol	40.0	20.2		ug/L		50	18 - 110
Phenol	20.0	12.8		ug/L		64	33 - 110
Phenanthrene	20.0	12.8		ug/L		64	53 - 110
Pyrene	20.0	14.4		ug/L		72	52 - 110
3 & 4 Methylphenol	20.0	12.3		ug/L		61	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*		*20 - 110*
2-Fluorophenol (Surr)	*59*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*64*		*21 - 110*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*
Phenol-d5 (Surr)	*61*		*21 - 110*
Terphenyl-d14 (Surr)	*44*		*24 - 110*

Lab Sample ID: MB 240-87232/14-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1

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

Lab Sample ID: MB 240-87232/14-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		1.0	0.29	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/24/13 08:29	05/26/13 14:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/24/13 08:29	05/26/13 14:19	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/24/13 08:29	05/26/13 14:19	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
Acenaphthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Acetophenone	ND		1.0	0.34	ug/L		05/24/13 08:29	05/26/13 14:19	1
Anthracene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Atrazine	ND		1.0	0.34	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/24/13 08:29	05/26/13 14:19	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Caprolactam	ND		5.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Carbazole	ND		1.0	0.28	ug/L		05/24/13 08:29	05/26/13 14:19	1
Chrysene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/24/13 08:29	05/26/13 14:19	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/24/13 08:29	05/26/13 14:19	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/24/13 08:29	05/26/13 14:19	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Fluoranthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Fluorene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Isophorone	ND		1.0	0.27	ug/L		05/24/13 08:29	05/26/13 14:19	1
Naphthalene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/24/13 08:29	05/26/13 14:19	1

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

Lab Sample ID: MB 240-87232/14-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/24/13 08:29	05/26/13 14:19	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
Phenol	ND		1.0	0.60	ug/L		05/24/13 08:29	05/26/13 14:19	1
Phenanthrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Pyrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/24/13 08:29	05/26/13 14:19	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Hexadecanoic acid	*3.13*	*T J N*	*ug/L*		*10.66*	*57-10-3*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
Unknown	*1.69*	*T J*	*ug/L*		*11.27*		*05/24/13 08:29*	*05/26/13 14:19*	*1*
Octadecanoic acid	*1.98*	*T J N*	*ug/L*		*11.33*	*57-11-4*	*05/24/13 08:29*	*05/26/13 14:19*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*20 - 110*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 110*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*21 - 110*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
Nitrobenzene-d5 (Surr)	*72*		*21 - 110*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
Phenol-d5 (Surr)	*38*		*21 - 110*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
Terphenyl-d14 (Surr)	*78*		*24 - 110*	*05/24/13 08:29*	*05/26/13 14:19*	*1*

Lab Sample ID: LCS 240-87232/15-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	14.0		ug/L		70	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	15.3		ug/L		77	37 - 110
2,4,5-Trichlorophenol	20.0	15.3		ug/L		76	48 - 110
2,4,6-Trichlorophenol	20.0	15.3		ug/L		77	45 - 110
2,4-Dichlorophenol	20.0	15.7		ug/L		78	41 - 110
2,4-Dimethylphenol	20.0	14.5		ug/L		73	32 - 110
2,4-Dinitrophenol	40.0	29.8		ug/L		75	10 - 110
2,4-Dinitrotoluene	20.0	15.3		ug/L		76	53 - 110
2-Chloronaphthalene	20.0	13.7		ug/L		69	43 - 110
2-Chlorophenol	20.0	15.6		ug/L		78	29 - 110
2-Methylnaphthalene	20.0	14.2		ug/L		71	45 - 110
2-Methylphenol	20.0	14.1		ug/L		71	42 - 110
2-Nitroaniline	20.0	16.4		ug/L		82	54 - 110
2-Nitrophenol	20.0	15.2		ug/L		76	40 - 110
3,3'-Dichlorobenzidine	40.0	26.4		ug/L		66	22 - 110
3-Nitroaniline	20.0	15.2		ug/L		76	53 - 110
4,6-Dinitro-2-methylphenol	40.0	33.4		ug/L		83	31 - 110
4-Bromophenyl phenyl ether	20.0	16.6		ug/L		83	45 - 110
4-Chloro-3-methylphenol	20.0	15.7		ug/L		79	52 - 110
4-Chloroaniline	20.0	10.9		ug/L		55	44 - 110
4-Chlorophenyl phenyl ether	20.0	16.0		ug/L		80	47 - 110

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

Lab Sample ID: LCS 240-87232/15-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	20.0	16.1		ug/L		80	54 - 110
4-Nitrophenol	40.0	18.1		ug/L		45	33 - 112
Acenaphthene	20.0	14.6		ug/L		73	47 - 110
Acenaphthylene	20.0	14.1		ug/L		71	49 - 110
Anthracene	20.0	14.9		ug/L		75	52 - 110
Benzo[a]anthracene	20.0	14.8		ug/L		74	52 - 110
Benzo[a]pyrene	20.0	15.3		ug/L		77	44 - 110
Benzo[b]fluoranthene	20.0	14.7		ug/L		73	48 - 110
Benzo[g,h,i]perylene	20.0	16.1		ug/L		80	50 - 110
Benzo[k]fluoranthene	20.0	15.5		ug/L		77	49 - 110
Bis(2-chloroethoxy)methane	20.0	15.7		ug/L		78	43 - 110
Bis(2-chloroethyl)ether	20.0	15.2		ug/L		76	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.1		ug/L		76	39 - 116
Butyl benzyl phthalate	20.0	15.5		ug/L		77	55 - 110
Caprolactam	40.0	6.81	*	ug/L		17	45 - 111
Carbazole	20.0	16.8		ug/L		84	55 - 110
Chrysene	20.0	15.1		ug/L		76	55 - 110
Dibenz(a,h)anthracene	20.0	15.9		ug/L		79	49 - 110
Dibenzofuran	20.0	15.2		ug/L		76	51 - 110
Diethyl phthalate	20.0	15.0		ug/L		75	58 - 110
Dimethyl phthalate	20.0	16.4		ug/L		82	57 - 110
Di-n-butyl phthalate	20.0	16.2		ug/L		81	57 - 110
Di-n-octyl phthalate	20.0	14.7		ug/L		73	40 - 110
Fluoranthene	20.0	15.8		ug/L		79	54 - 110
Fluorene	20.0	15.5		ug/L		78	52 - 110
Hexachlorobenzene	20.0	15.8		ug/L		79	50 - 110
Hexachlorobutadiene	20.0	12.4		ug/L		62	33 - 110
Hexachlorocyclopentadiene	20.0	10.6		ug/L		53	10 - 110
Hexachloroethane	20.0	12.8		ug/L		64	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	16.2		ug/L		81	50 - 110
Isophorone	20.0	15.3		ug/L		77	49 - 110
Naphthalene	20.0	13.8		ug/L		69	44 - 110
N-Nitrosodi-n-propylamine	20.0	16.3		ug/L		81	47 - 110
N-Nitrosodiphenylamine	40.0	31.4		ug/L		79	50 - 110
Pentachlorophenol	40.0	30.1		ug/L		75	18 - 110
Phenol	20.0	8.76		ug/L		44	33 - 110
Phenanthrene	20.0	14.9		ug/L		74	53 - 110
Pyrene	20.0	15.6		ug/L		78	52 - 110
3 & 4 Methylphenol	20.0	13.8		ug/L		69	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*20 - 110*
2-Fluorophenol (Surr)	*58*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*76*		*21 - 110*
Nitrobenzene-d5 (Surr)	*75*		*21 - 110*
Phenol-d5 (Surr)	*42*		*21 - 110*
Terphenyl-d14 (Surr)	*76*		*24 - 110*

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

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 87388

Client Sample ID: MW-18I
Prep Type: Total/NA
Prep Batch: 87232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl - RE	ND	H	19.0	12.3	H	ug/L		65	34 - 110
2,2'-oxybis[1-chloropropane] - RE	ND	H	19.0	14.1	H	ug/L		74	10 - 145
2,4,5-Trichlorophenol - RE	ND	H	19.0	13.4	H	ug/L		71	36 - 110
2,4,6-Trichlorophenol - RE	ND	H	19.0	12.9	H	ug/L		68	33 - 110
2,4-Dichlorophenol - RE	ND	H	19.0	13.3	H	ug/L		70	28 - 110
2,4-Dimethylphenol - RE	ND	H	19.0	11.7	H	ug/L		62	15 - 110
2,4-Dinitrophenol - RE	ND	H	38.1	20.1	H	ug/L		53	10 - 124
2,4-Dinitrotoluene - RE	ND	H	19.0	13.0	H	ug/L		69	37 - 110
2-Chloronaphthalene - RE	ND	H	19.0	12.2	H	ug/L		64	28 - 110
2-Chlorophenol - RE	ND	H	19.0	12.9	H	ug/L		68	20 - 110
2-Methylnaphthalene - RE	ND	H	19.0	13.0	H	ug/L		68	32 - 110
2-Methylphenol - RE	ND	H	19.0	9.66	H	ug/L		51	27 - 110
2-Nitroaniline - RE	ND	H	19.0	14.4	H	ug/L		76	38 - 110
2-Nitrophenol - RE	ND	H	19.0	13.9	H	ug/L		73	26 - 110
3,3'-Dichlorobenzidine - RE	ND	H	38.1	20.5	H	ug/L		54	10 - 110
3-Nitroaniline - RE	ND	H	19.0	11.8	H	ug/L		62	22 - 110
4,6-Dinitro-2-methylphenol - RE	ND	H	38.1	24.8	H	ug/L		65	10 - 110
4-Bromophenyl phenyl ether - RE	ND	H	19.0	14.6	H	ug/L		77	26 - 110
4-Chloro-3-methylphenol - RE	ND	H	19.0	13.3	H	ug/L		70	38 - 110
4-Chloroaniline - RE	ND	H	19.0	5.41	H	ug/L		28	15 - 110
4-Chlorophenyl phenyl ether - RE	ND	H	19.0	13.9	H	ug/L		73	30 - 110
4-Nitroaniline - RE	ND	H	19.0	12.9	H	ug/L		68	18 - 110
4-Nitrophenol - RE	ND	H	38.1	7.86	H	ug/L		21	16 - 111
Acenaphthene - RE	ND	H	19.0	12.9	H	ug/L		68	35 - 110
Acenaphthylene - RE	ND	H	19.0	12.4	H	ug/L		65	33 - 110
Anthracene - RE	ND	H	19.0	13.4	H	ug/L		70	26 - 110
Benzo[a]anthracene - RE	ND	H	19.0	13.9	H	ug/L		73	16 - 110
Benzo[a]pyrene - RE	ND	H	19.0	14.4	H	ug/L		75	10 - 110
Benzo[b]fluoranthene - RE	ND	H	19.0	14.4	H	ug/L		76	10 - 110
Benzo[g,h,i]perylene - RE	ND	H	19.0	15.1	H	ug/L		79	10 - 110
Benzo[k]fluoranthene - RE	ND	H	19.0	14.3	H	ug/L		75	10 - 110
Bis(2-chloroethoxy)methane - RE	ND	H	19.0	14.6	H	ug/L		77	27 - 110
Bis(2-chloroethyl)ether - RE	ND	H	19.0	13.7	H	ug/L		72	24 - 110
Bis(2-ethylhexyl) phthalate - RE	ND	H	19.0	14.2	H	ug/L		74	10 - 112
Butyl benzyl phthalate - RE	ND	H	19.0	13.9	H	ug/L		73	31 - 110
Caprolactam - RE	ND	H *	38.1	2.38	J H F	ug/L		6	10 - 199
Carbazole - RE	ND	H	19.0	15.0	H	ug/L		79	28 - 110
Chrysene - RE	ND	H	19.0	14.2	H	ug/L		75	17 - 110
Dibenz(a,h)anthracene - RE	ND	H	19.0	15.0	H	ug/L		79	10 - 111
Dibenzofuran - RE	ND	H	19.0	13.1	H	ug/L		69	36 - 110
Diethyl phthalate - RE	ND	H	19.0	12.8	H	ug/L		67	42 - 110
Dimethyl phthalate - RE	ND	H	19.0	14.3	H	ug/L		75	42 - 110
Di-n-butyl phthalate - RE	ND	H	19.0	14.5	H	ug/L		76	35 - 110
Di-n-octyl phthalate - RE	ND	H	19.0	13.8	H	ug/L		72	10 - 118
Fluoranthene - RE	ND	H	19.0	14.4	H	ug/L		76	31 - 110
Fluorene - RE	ND	H	19.0	13.6	H	ug/L		71	36 - 110
Hexachlorobenzene - RE	ND	H	19.0	14.8	H	ug/L		78	23 - 110

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

Lab Sample ID: 240-24251-2 MS — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 87388 — **Prep Batch: 87232**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene - RE	ND	H	19.0	8.63	H	ug/L		45	15 - 110
Hexachlorocyclopentadiene - RE	ND	H	19.0	6.54	J H	ug/L		34	10 - 110
Hexachloroethane - RE	ND	H	19.0	10.0	H	ug/L		53	10 - 122
Indeno[1,2,3-cd]pyrene - RE	ND	H	19.0	15.4	H	ug/L		81	10 - 110
Isophorone - RE	ND	H	19.0	14.0	H	ug/L		73	33 - 110
Naphthalene - RE	ND	H	19.0	12.7	H	ug/L		67	28 - 110
N-Nitrosodi-n-propylamine - RE	ND	H	19.0	14.7	H	ug/L		77	32 - 110
N-Nitrosodiphenylamine - RE	ND	H	38.1	27.0	H	ug/L		71	10 - 110
Pentachlorophenol - RE	ND	H	38.1	27.8	H	ug/L		73	10 - 123
Phenol - RE	ND	H	19.0	4.10	H F	ug/L		22	25 - 110
Phenanthrene - RE	ND	H	19.0	13.4	H	ug/L		70	34 - 110
Pyrene - RE	ND	H	19.0	14.2	H	ug/L		74	32 - 110
3 & 4 Methylphenol - RE	ND	H	19.0	8.92	H	ug/L		47	31 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr) - RE	*64*		*20 - 110*
2-Fluorophenol (Surr) - RE	*32*		*10 - 110*
2,4,6-Tribromophenol (Surr) - RE	*66*		*21 - 110*
Nitrobenzene-d5 (Surr) - RE	*70*		*21 - 110*
Phenol-d5 (Surr) - RE	*19*	*X*	*21 - 110*
Terphenyl-d14 (Surr) - RE	*45*		*24 - 110*

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 87388 — **Prep Batch: 87232**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl - RE	ND	H	19.0	13.5	H	ug/L		71	34 - 110	9	31
2,2'-oxybis[1-chloropropane] - RE	ND	H	19.0	15.1	H	ug/L		79	10 - 145	7	43
2,4,5-Trichlorophenol - RE	ND	H	19.0	14.4	H	ug/L		75	36 - 110	7	60
2,4,6-Trichlorophenol - RE	ND	H	19.0	14.2	H	ug/L		75	33 - 110	10	63
2,4-Dichlorophenol - RE	ND	H	19.0	14.2	H	ug/L		75	28 - 110	7	69
2,4-Dimethylphenol - RE	ND	H	19.0	12.8	H	ug/L		67	15 - 110	8	36
2,4-Dinitrophenol - RE	ND	H	38.1	22.5	H	ug/L		59	10 - 124	11	70
2,4-Dinitrotoluene - RE	ND	H	19.0	13.7	H	ug/L		72	37 - 110	5	56
2-Chloronaphthalene - RE	ND	H	19.0	13.4	H	ug/L		70	28 - 110	9	37
2-Chlorophenol - RE	ND	H	19.0	13.7	H	ug/L		72	20 - 110	6	70
2-Methylnaphthalene - RE	ND	H	19.0	13.9	H	ug/L		73	32 - 110	7	33
2-Methylphenol - RE	ND	H	19.0	10.8	H	ug/L		57	27 - 110	12	42
2-Nitroaniline - RE	ND	H	19.0	15.3	H	ug/L		80	38 - 110	6	32
2-Nitrophenol - RE	ND	H	19.0	14.2	H	ug/L		74	26 - 110	2	64
3,3'-Dichlorobenzidine - RE	ND	H	38.1	22.9	H	ug/L		60	10 - 110	11	99
3-Nitroaniline - RE	ND	H	19.0	12.7	H	ug/L		67	22 - 110	7	69
4,6-Dinitro-2-methylphenol - RE	ND	H	38.1	26.3	H	ug/L		69	10 - 110	6	93
4-Bromophenyl phenyl ether - RE	ND	H	19.0	15.7	H	ug/L		82	26 - 110	7	35
4-Chloro-3-methylphenol - RE	ND	H	19.0	13.7	H	ug/L		72	38 - 110	3	35

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

Lab Sample ID: 240-24251-2 MSD | **Client Sample ID: MW-18I**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 87388 | **Prep Batch: 87232**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chloroaniline - RE	ND	H	19.0	5.31	H	ug/L		28	15 - 110	2	73
4-Chlorophenyl phenyl ether - RE	ND	H	19.0	15.2	H	ug/L		80	30 - 110	9	36
4-Nitroaniline - RE	ND	H	19.0	13.5	H	ug/L		71	18 - 110	5	60
4-Nitrophenol - RE	ND	H	38.1	8.89	H	ug/L		23	16 - 111	12	65
Acenaphthene - RE	ND	H	19.0	14.3	H	ug/L		75	35 - 110	10	30
Acenaphthylene - RE	ND	H	19.0	13.7	H	ug/L		72	33 - 110	10	30
Anthracene - RE	ND	H	19.0	14.1	H	ug/L		74	26 - 110	5	37
Benzo[a]anthracene - RE	ND	H	19.0	14.5	H	ug/L		76	16 - 110	5	30
Benzo[a]pyrene - RE	ND	H	19.0	15.1	H	ug/L		79	10 - 110	5	60
Benzo[b]fluoranthene - RE	ND	H	19.0	15.0	H	ug/L		79	10 - 110	4	45
Benzo[g,h,i]perylene - RE	ND	H	19.0	16.0	H	ug/L		84	10 - 110	6	60
Benzo[k]fluoranthene - RE	ND	H	19.0	14.9	H	ug/L		78	10 - 110	4	48
Bis(2-chloroethoxy)methane - RE	ND	H	19.0	15.0	H	ug/L		79	27 - 110	3	33
Bis(2-chloroethyl)ether - RE	ND	H	19.0	14.6	H	ug/L		77	24 - 110	6	42
Bis(2-ethylhexyl) phthalate - RE	ND	H	19.0	14.8	H	ug/L		78	10 - 112	4	71
Butyl benzyl phthalate - RE	ND	H	19.0	14.7	H	ug/L		77	31 - 110	5	37
Caprolactam - RE	ND	H *	38.1	2.60	J H F	ug/L		7	10 - 199	9	99
Carbazole - RE	ND	H	19.0	15.8	H	ug/L		83	28 - 110	5	30
Chrysene - RE	ND	H	19.0	14.6	H	ug/L		76	17 - 110	2	30
Dibenz(a,h)anthracene - RE	ND	H	19.0	15.6	H	ug/L		82	10 - 111	4	63
Dibenzofuran - RE	ND	H	19.0	14.4	H	ug/L		76	36 - 110	10	30
Diethyl phthalate - RE	ND	H	19.0	13.5	H	ug/L		71	42 - 110	5	30
Dimethyl phthalate - RE	ND	H	19.0	15.1	H	ug/L		79	42 - 110	6	30
Di-n-butyl phthalate - RE	ND	H	19.0	15.2	H	ug/L		80	35 - 110	5	37
Di-n-octyl phthalate - RE	ND	H	19.0	14.3	H	ug/L		75	10 - 118	4	92
Fluoranthene - RE	ND	H	19.0	15.3	H	ug/L		80	31 - 110	6	30
Fluorene - RE	ND	H	19.0	14.9	H	ug/L		78	36 - 110	9	30
Hexachlorobenzene - RE	ND	H	19.0	15.4	H	ug/L		81	23 - 110	4	30
Hexachlorobutadiene - RE	ND	H	19.0	10.0	H	ug/L		53	15 - 110	15	49
Hexachlorocyclopentadiene - RE	ND	H	19.0	7.63	J H	ug/L		40	10 - 110	15	99
Hexachloroethane - RE	ND	H	19.0	11.0	H	ug/L		58	10 - 122	9	44
Indeno[1,2,3-cd]pyrene - RE	ND	H	19.0	16.0	H	ug/L		84	10 - 110	4	58
Isophorone - RE	ND	H	19.0	14.8	H	ug/L		77	33 - 110	5	31
Naphthalene - RE	ND	H	19.0	13.5	H	ug/L		71	28 - 110	6	80
N-Nitrosodi-n-propylamine - RE	ND	H	19.0	15.4	H	ug/L		81	32 - 110	5	32
N-Nitrosodiphenylamine - RE	ND	H	38.1	28.4	H	ug/L		75	10 - 110	5	38
Pentachlorophenol - RE	ND	H	38.1	29.3	H	ug/L		77	10 - 123	5	76
Phenol - RE	ND	H	19.0	4.43	H F	ug/L		23	25 - 110	8	74
Phenanthrene - RE	ND	H	19.0	14.2	H	ug/L		75	34 - 110	6	30
Pyrene - RE	ND	H	19.0	14.9	H	ug/L		78	32 - 110	5	30
3 & 4 Methylphenol - RE	ND	H	19.0	9.33	H	ug/L		49	31 - 110	5	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr) - RE	*69*		*20 - 110*
2-Fluorophenol (Surr) - RE	*37*		*10 - 110*
2,4,6-Tribromophenol (Surr) - RE	*69*		*21 - 110*
Nitrobenzene-d5 (Surr) - RE	*72*		*21 - 110*

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

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 87388

Client Sample ID: MW-18I
Prep Type: Total/NA
Prep Batch: 87232

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5 (Surr) - RE	*21*		*21 - 110*
Terphenyl-d14 (Surr) - RE	*50*		*24 - 110*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-85624/1-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/13/13 09:04	05/14/13 11:19	1
Antimony	0.223	J	2.0	0.11	ug/L		05/13/13 09:04	05/14/13 11:19	1
Arsenic	0.147	J	3.0	0.063	ug/L		05/13/13 09:04	05/14/13 11:19	1
Barium	0.625	J	1.0	0.32	ug/L		05/13/13 09:04	05/14/13 11:19	1
Beryllium	ND		1.0	0.031	ug/L		05/13/13 09:04	05/14/13 11:19	1
Calcium	175	J	1000	27	ug/L		05/13/13 09:04	05/14/13 11:19	1
Cadmium	ND		1.0	0.026	ug/L		05/13/13 09:04	05/14/13 11:19	1
Cobalt	ND		1.0	0.020	ug/L		05/13/13 09:04	05/14/13 11:19	1
Chromium	ND		2.0	0.13	ug/L		05/13/13 09:04	05/14/13 11:19	1
Copper	0.642	J	2.0	0.24	ug/L		05/13/13 09:04	05/14/13 11:19	1
Iron	ND		100	12	ug/L		05/13/13 09:04	05/14/13 11:19	1
Magnesium	33.0	J	1000	15	ug/L		05/13/13 09:04	05/14/13 11:19	1
Potassium	ND		1000	5.1	ug/L		05/13/13 09:04	05/14/13 11:19	1
Manganese	2.47	J	5.0	0.41	ug/L		05/13/13 09:04	05/14/13 11:19	1
Nickel	ND		2.0	0.088	ug/L		05/13/13 09:04	05/14/13 11:19	1
Lead	ND		1.0	0.14	ug/L		05/13/13 09:04	05/14/13 11:19	1
Selenium	ND		5.0	0.34	ug/L		05/13/13 09:04	05/14/13 11:19	1
Thallium	ND		1.0	0.40	ug/L		05/13/13 09:04	05/14/13 11:19	1
Zinc	9.72	J	20	2.1	ug/L		05/13/13 09:04	05/14/13 11:19	1
Silver	ND		1.0	0.0083	ug/L		05/13/13 09:04	05/14/13 11:19	1
Sodium	41.0	J	1000	4.2	ug/L		05/13/13 09:04	05/14/13 11:19	1

Lab Sample ID: LCS 240-85624/3-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9230		ug/L		92	80 - 120
Antimony	100	93.1		ug/L		93	80 - 120
Arsenic	1000	979		ug/L		98	80 - 120
Barium	1000	940		ug/L		94	80 - 120
Beryllium	1000	904		ug/L		90	80 - 120
Calcium	10000	10300		ug/L		103	80 - 120
Cadmium	1000	987		ug/L		99	80 - 120
Cobalt	1000	881		ug/L		88	80 - 120
Chromium	1000	929		ug/L		93	80 - 120
Copper	1000	985		ug/L		99	80 - 120
Iron	10000	9450		ug/L		94	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-85624/3-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	10000	9470		ug/L		95	80 - 120
Potassium	10000	9370		ug/L		94	80 - 120
Manganese	1000	951		ug/L		95	80 - 120
Nickel	1000	968		ug/L		97	80 - 120
Lead	1000	834		ug/L		83	80 - 120
Selenium	1000	995		ug/L		100	80 - 120
Thallium	250	219		ug/L		87	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120
Silver	100	103		ug/L		103	80 - 120
Sodium	10000	10900		ug/L		109	80 - 120

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 85934

Client Sample ID: MW-18I
Prep Type: Total Recoverable
Prep Batch: 85624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	16	J	10000	8920		ug/L		89	63 - 128
Antimony	0.59	J B	100	91.1		ug/L		90	44 - 153
Arsenic	4.8	B	1000	935		ug/L		93	82 - 123
Barium	390	B	1000	1300		ug/L		90	45 - 144
Beryllium	ND		1000	897		ug/L		90	77 - 124
Calcium	84000	B	10000	88200	4	ug/L		39	70 - 130
Cadmium	0.035	J	1000	947		ug/L		95	78 - 117
Cobalt	1.6		1000	830		ug/L		83	67 - 114
Chromium	730		1000	1460		ug/L		73	72 - 110
Copper	11	B	1000	911		ug/L		90	60 - 123
Iron	8600		10000	17000		ug/L		85	22 - 169
Magnesium	20000	B	10000	27800		ug/L		76	70 - 130
Potassium	2200		10000	11000		ug/L		88	70 - 130
Manganese	150	B	1000	1070		ug/L		92	10 - 172
Nickel	100		1000	1000		ug/L		90	72 - 111
Lead	0.65	J	1000	835		ug/L		83	73 - 115
Selenium	ND		1000	924		ug/L		92	72 - 148
Thallium	ND		250	210		ug/L		84	69 - 117
Zinc	7.3	J B	1000	920		ug/L		91	49 - 156
Silver	ND		100	97.4		ug/L		97	10 - 139
Sodium	35000	B	10000	41700	F	ug/L		71	80 - 120

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 85934

Client Sample ID: MW-18I
Prep Type: Total Recoverable
Prep Batch: 85624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	16	J	10000	9430		ug/L		94	63 - 128	6	20
Antimony	0.59	J B	100	97.2		ug/L		97	44 - 153	7	20
Arsenic	4.8	B	1000	988		ug/L		98	82 - 123	5	20
Barium	390	B	1000	1380		ug/L		98	45 - 144	6	20
Beryllium	ND		1000	948		ug/L		95	77 - 124	6	20
Calcium	84000	B	10000	93300	4	ug/L		91	70 - 130	6	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 85934 — **Prep Batch: 85624**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.035	J	1000	997		ug/L		100	78 - 117	5	20
Cobalt	1.6		1000	889		ug/L		89	67 - 114	7	20
Chromium	730		1000	1590		ug/L		87	72 - 110	9	20
Copper	11	B	1000	969		ug/L		96	60 - 123	6	20
Iron	8600		10000	18100		ug/L		95	22 - 169	6	20
Magnesium	20000	B	10000	29500		ug/L		93	70 - 130	6	20
Potassium	2200		10000	11600		ug/L		95	70 - 130	6	20
Manganese	150	B	1000	1150		ug/L		100	10 - 172	7	20
Nickel	100		1000	1060		ug/L		96	72 - 111	6	20
Lead	0.65	J	1000	889		ug/L		89	73 - 115	6	20
Selenium	ND		1000	971		ug/L		97	72 - 148	5	20
Thallium	ND		250	223		ug/L		89	69 - 117	6	20
Zinc	7.3	J B	1000	961		ug/L		95	49 - 156	4	20
Silver	ND		100	103		ug/L		103	10 - 139	6	20
Sodium	35000	B	10000	44500		ug/L		99	80 - 120	6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-85613/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86041 — **Prep Batch: 85613**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/13/13 15:35	05/15/13 14:08	1

Lab Sample ID: LCS 240-85613/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86041 — **Prep Batch: 85613**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.84		ug/L		97	81 - 123

Lab Sample ID: 240-24251-2 MS — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86041 — **Prep Batch: 85613**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	1.03		ug/L		103	69 - 134

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86041 — **Prep Batch: 85613**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	1.03		ug/L		103	69 - 134	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-86054/3
Matrix: Water
Analysis Batch: 86054

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/15/13 14:15	1
Sulfate	ND		1.0	0.12	mg/L			05/15/13 14:15	1

Lab Sample ID: LCS 240-86054/4
Matrix: Water
Analysis Batch: 86054

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.5		mg/L		97	90 - 110
Sulfate	50.0	47.2		mg/L		94	90 - 110

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 86054

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	54		50.0	97.5		mg/L		88	80 - 120
Sulfate	36		50.0	80.2		mg/L		89	80 - 120

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 86054

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	54		50.0	97.6		mg/L		88	80 - 120	0	20
Sulfate	36		50.0	80.4		mg/L		90	80 - 120	0	20

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-86219/7
Matrix: Water
Analysis Batch: 86219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.20	0.035	mg/L			05/16/13 09:26	1

Lab Sample ID: LCS 240-86219/8
Matrix: Water
Analysis Batch: 86219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	6.86	6.32		mg/L		92	85 - 114

Lab Sample ID: MB 240-86995/7
Matrix: Water
Analysis Batch: 86995

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.0549	J	0.20	0.035	mg/L			05/22/13 11:17	1

Method: 350.3 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 240-86995/8
Matrix: Water
Analysis Batch: 86995

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia (as N)			6.86	6.31		mg/L		92	85 - 114		

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 86995

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia (as N)	0.54	B	2.50	2.85		mg/L		93	75 - 125		

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 86995

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	0.54	B	2.50	2.81		mg/L		91	75 - 125	2	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 180-72545/16
Matrix: Water
Analysis Batch: 72545

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 12:21	1

Lab Sample ID: LCS 180-72545/15
Matrix: Water
Analysis Batch: 72545

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N			4.00	4.14		mg/L		104	90 - 110		

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 72545

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N	ND		2.00	1.94		mg/L		97	90 - 110		

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 72545

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		2.00	2.10		mg/L		105	90 - 110	8	20

Method: 376.1 - Sulfide

Lab Sample ID: MB 240-85997/1
Matrix: Water
Analysis Batch: 85997

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			05/15/13 10:42	1

Lab Sample ID: LCS 240-85997/2
Matrix: Water
Analysis Batch: 85997

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	17.1	17.1		mg/L		100	79 - 110

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 85997

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND		17.1	17.1		mg/L		100	75 - 110

Lab Sample ID: 240-24251-2 MSD
Matrix: Water
Analysis Batch: 85997

Client Sample ID: MW-18I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND		17.1	16.9		mg/L		99	75 - 110	1	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-85976/1-A
Matrix: Water
Analysis Batch: 86030

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 09:30	05/15/13 11:40	1

Lab Sample ID: LCS 240-85976/2-A
Matrix: Water
Analysis Batch: 86030

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0510		mg/L		98	69 - 118

Lab Sample ID: 240-24251-2 MS
Matrix: Water
Analysis Batch: 86030

Client Sample ID: MW-18I
Prep Type: Total/NA
Prep Batch: 85976

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.0400	0.0403		mg/L		101	42 - 140

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86030 — **Prep Batch: 85976**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		0.0400	0.0423		mg/L		106	42 - 140	5	20

Lab Sample ID: MRL 240-86030/6 MRL — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86030

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0100	0.00972	J	mg/L		97	70 - 130

Method: SM 3500 FE D - Iron, Ferrous

Lab Sample ID: MB 240-85480/38 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.050	0.018	mg/L			05/10/13 15:00	1

Lab Sample ID: LCS 240-85480/39 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	1.00	1.03		mg/L		103	86 - 117

Lab Sample ID: 240-24251-2 MS — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85480

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.13	HF	1.00	1.01	HF	mg/L		88	10 - 163

Lab Sample ID: 240-24251-2 MSD — **Client Sample ID: MW-18I**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85480

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ferrous Iron	0.13	HF	1.00	0.951	HF	mg/L		82	10 - 163	6	25

GC/MS VOA

Analysis Batch: 86761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	8260B	
240-24251-2	MW-18I	Total/NA	Water	8260B	
240-24251-2 MS	MW-18I	Total/NA	Water	8260B	
240-24251-2 MSD	MW-18I	Total/NA	Water	8260B	
240-24251-3	TRIP BLANK 6	Total/NA	Water	8260B	
240-24251-4	MW-22I	Total/NA	Water	8260B	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	8260B	
240-24251-6	TRIP BLANK 7	Total/NA	Water	8260B	
240-24251-7	TRIP BLANK 5	Total/NA	Water	8260B	
LCS 240-86761/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-86761/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 86126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	3520C	
240-24251-2	MW-18I	Total/NA	Water	3520C	
240-24251-2 MS	MW-18I	Total/NA	Water	3520C	
240-24251-2 MSD	MW-18I	Total/NA	Water	3520C	
LCS 240-86126/8-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-86126/9-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 86337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-4	MW-22I	Total/NA	Water	3520C	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	3520C	
LCS 240-86337/22-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-86337/21-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 86723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-4	MW-22I	Total/NA	Water	8270C	86337
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	8270C	86337
LCS 240-86337/22-A	Lab Control Sample	Total/NA	Water	8270C	86337
MB 240-86337/21-A	Method Blank	Total/NA	Water	8270C	86337

Analysis Batch: 86992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	8270C	86126
240-24251-2	MW-18I	Total/NA	Water	8270C	86126
240-24251-2 MS	MW-18I	Total/NA	Water	8270C	86126
240-24251-2 MSD	MW-18I	Total/NA	Water	8270C	86126
LCS 240-86126/8-A	Lab Control Sample	Total/NA	Water	8270C	86126
MB 240-86126/9-A	Method Blank	Total/NA	Water	8270C	86126

Prep Batch: 87232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1 - RE	MW-18S	Total/NA	Water	3520C	
240-24251-2 - RE	MW-18I	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 87232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-2 MS - RE	MW-18I	Total/NA	Water	3520C	
240-24251-2 MSD - RE	MW-18I	Total/NA	Water	3520C	
240-24251-4 - RE	MW-22I	Total/NA	Water	3520C	
240-24251-5 - RE	FIELD EQUIP BLANK 1	Total/NA	Water	3520C	
LCS 240-87232/15-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-87232/14-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 87388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-2 - RE	MW-18I	Total/NA	Water	8270C	87232
240-24251-2 MS - RE	MW-18I	Total/NA	Water	8270C	87232
240-24251-2 MSD - RE	MW-18I	Total/NA	Water	8270C	87232
240-24251-4 - RE	MW-22I	Total/NA	Water	8270C	87232
240-24251-5 - RE	FIELD EQUIP BLANK 1	Total/NA	Water	8270C	87232
LCS 240-87232/15-A	Lab Control Sample	Total/NA	Water	8270C	87232
MB 240-87232/14-A	Method Blank	Total/NA	Water	8270C	87232

Analysis Batch: 87481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1 - RE	MW-18S	Total/NA	Water	8270C	87232

Metals

Prep Batch: 85613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	7470A	
240-24251-2	MW-18I	Total/NA	Water	7470A	
240-24251-2 MS	MW-18I	Total/NA	Water	7470A	
240-24251-2 MSD	MW-18I	Total/NA	Water	7470A	
240-24251-4	MW-22I	Total/NA	Water	7470A	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	7470A	
LCS 240-85613/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-85613/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 85624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total Recoverable	Water	3005A	
240-24251-2	MW-18I	Total Recoverable	Water	3005A	
240-24251-2 MS	MW-18I	Total Recoverable	Water	3005A	
240-24251-2 MSD	MW-18I	Total Recoverable	Water	3005A	
240-24251-4	MW-22I	Total Recoverable	Water	3005A	
240-24251-5	FIELD EQUIP BLANK 1	Total Recoverable	Water	3005A	
LCS 240-85624/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-85624/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 85934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total Recoverable	Water	6020	85624
240-24251-2	MW-18I	Total Recoverable	Water	6020	85624
240-24251-2 MS	MW-18I	Total Recoverable	Water	6020	85624

Metals (Continued)

Analysis Batch: 85934 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-2 MSD	MW-18I	Total Recoverable	Water	6020	85624
240-24251-4	MW-22I	Total Recoverable	Water	6020	85624
240-24251-5	FIELD EQUIP BLANK 1	Total Recoverable	Water	6020	85624
LCS 240-85624/3-A	Lab Control Sample	Total Recoverable	Water	6020	85624
MB 240-85624/1-A	Method Blank	Total Recoverable	Water	6020	85624

Analysis Batch: 86041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	7470A	85613
240-24251-2	MW-18I	Total/NA	Water	7470A	85613
240-24251-2 MS	MW-18I	Total/NA	Water	7470A	85613
240-24251-2 MSD	MW-18I	Total/NA	Water	7470A	85613
240-24251-4	MW-22I	Total/NA	Water	7470A	85613
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	7470A	85613
LCS 240-85613/2-A	Lab Control Sample	Total/NA	Water	7470A	85613
MB 240-85613/1-A	Method Blank	Total/NA	Water	7470A	85613

General Chemistry

Analysis Batch: 72545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	353.2	
240-24251-2	MW-18I	Total/NA	Water	353.2	
240-24251-2 MS	MW-18I	Total/NA	Water	353.2	
240-24251-2 MSD	MW-18I	Total/NA	Water	353.2	
240-24251-4	MW-22I	Total/NA	Water	353.2	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	353.2	
LCS 180-72545/15	Lab Control Sample	Total/NA	Water	353.2	
MB 180-72545/16	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 85480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	SM 3500 FE D	
240-24251-2	MW-18I	Total/NA	Water	SM 3500 FE D	
240-24251-2 MS	MW-18I	Total/NA	Water	SM 3500 FE D	
240-24251-2 MSD	MW-18I	Total/NA	Water	SM 3500 FE D	
240-24251-4	MW-22I	Total/NA	Water	SM 3500 FE D	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	SM 3500 FE D	
LCS 240-85480/39	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MB 240-85480/38	Method Blank	Total/NA	Water	SM 3500 FE D	

Prep Batch: 85976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	9012A	
240-24251-2	MW-18I	Total/NA	Water	9012A	
240-24251-2 MS	MW-18I	Total/NA	Water	9012A	
240-24251-2 MSD	MW-18I	Total/NA	Water	9012A	
240-24251-4	MW-22I	Total/NA	Water	9012A	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	9012A	
LCS 240-85976/2-A	Lab Control Sample	Total/NA	Water	9012A	

General Chemistry (Continued)

Prep Batch: 85976 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-85976/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 85997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	376.1	
240-24251-2	MW-18I	Total/NA	Water	376.1	
240-24251-2 MS	MW-18I	Total/NA	Water	376.1	
240-24251-2 MSD	MW-18I	Total/NA	Water	376.1	
240-24251-4	MW-22I	Total/NA	Water	376.1	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	376.1	
LCS 240-85997/2	Lab Control Sample	Total/NA	Water	376.1	
MB 240-85997/1	Method Blank	Total/NA	Water	376.1	

Analysis Batch: 86030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	9012A	85976
240-24251-2	MW-18I	Total/NA	Water	9012A	85976
240-24251-2 MS	MW-18I	Total/NA	Water	9012A	85976
240-24251-2 MSD	MW-18I	Total/NA	Water	9012A	85976
240-24251-4	MW-22I	Total/NA	Water	9012A	85976
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	9012A	85976
LCS 240-85976/2-A	Lab Control Sample	Total/NA	Water	9012A	85976
MB 240-85976/1-A	Method Blank	Total/NA	Water	9012A	85976
MRL 240-86030/6 MRL	Lab Control Sample	Total/NA	Water	9012A	

Analysis Batch: 86054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	300.0	
240-24251-2	MW-18I	Total/NA	Water	300.0	
240-24251-2 MS	MW-18I	Total/NA	Water	300.0	
240-24251-2 MSD	MW-18I	Total/NA	Water	300.0	
240-24251-4	MW-22I	Total/NA	Water	300.0	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	300.0	
LCS 240-86054/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86054/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 86219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-1	MW-18S	Total/NA	Water	350.3	
240-24251-4	MW-22I	Total/NA	Water	350.3	
240-24251-5	FIELD EQUIP BLANK 1	Total/NA	Water	350.3	
LCS 240-86219/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-86219/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 86995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24251-2	MW-18I	Total/NA	Water	350.3	
240-24251-2 MS	MW-18I	Total/NA	Water	350.3	
240-24251-2 MSD	MW-18I	Total/NA	Water	350.3	
LCS 240-86995/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-86995/7	Method Blank	Total/NA	Water	350.3	

Client Sample ID: MW-18S

Lab Sample ID: 240-24251-1

Date Collected: 05/10/13 08:05

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 18:43	LW	TAL CAN
Total/NA	Prep	3520C			86126	05/16/13 08:52	AC	TAL CAN
Total/NA	Analysis	8270C		1	86992	05/23/13 01:51	MU	TAL CAN
Total/NA	Prep	3520C	RE		87232	05/24/13 08:29	SE	TAL CAN
Total/NA	Analysis	8270C	RE	1	87481	05/28/13 20:34	MU	TAL CAN
Total Recoverable	Prep	3005A			85624	05/13/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 11:33	KC	TAL CAN
Total/NA	Prep	7470A			85613	05/13/13 15:35	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 14:22	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:30	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 14:58	LG	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:49	JB	TAL CAN
Total/NA	Prep	9012A			85976	05/15/13 09:30	VP	TAL CAN
Total/NA	Analysis	9012A		1	86030	05/15/13 11:52	VP	TAL CAN
Total/NA	Analysis	300.0		5	86054	05/15/13 20:27	AM	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:41	JK	TAL CAN

Client Sample ID: MW-18I

Lab Sample ID: 240-24251-2

Date Collected: 05/10/13 08:30

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 23:11	LW	TAL CAN
Total/NA	Prep	3520C			86126	05/16/13 08:52	AC	TAL CAN
Total/NA	Analysis	8270C		1	86992	05/23/13 02:17	MU	TAL CAN
Total/NA	Prep	3520C	RE		87232	05/24/13 08:29	SE	TAL CAN
Total/NA	Analysis	8270C	RE	1	87388	05/27/13 00:08	MU	TAL CAN
Total Recoverable	Prep	3005A			85624	05/13/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 11:40	KC	TAL CAN
Total/NA	Prep	7470A			85613	05/13/13 15:35	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 14:12	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:25	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 14:54	LG	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 11:55	JB	TAL CAN
Total/NA	Prep	9012A			85976	05/15/13 09:30	VP	TAL CAN
Total/NA	Analysis	9012A		1	86030	05/15/13 11:52	VP	TAL CAN
Total/NA	Analysis	300.0		2	86054	05/15/13 20:48	AM	TAL CAN
Total/NA	Analysis	350.3		1	86995	05/22/13 11:34	LG	TAL CAN

Client Sample ID: TRIP BLANK 6

Lab Sample ID: 240-24251-3

Date Collected: 05/10/13 00:00

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 19:05	LW	TAL CAN

Client Sample ID: MW-22I

Lab Sample ID: 240-24251-4

Date Collected: 05/10/13 10:00

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 19:27	LW	TAL CAN
Total/NA	Prep	3520C			86337	05/17/13 10:25	BM	TAL CAN
Total/NA	Analysis	8270C		1	86723	05/21/13 17:21	JG	TAL CAN
Total/NA	Prep	3520C	RE		87232	05/24/13 08:29	SE	TAL CAN
Total/NA	Analysis	8270C	RE	1	87388	05/27/13 01:24	MU	TAL CAN
Total Recoverable	Prep	3005A			85624	05/13/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 12:00	KC	TAL CAN
Total/NA	Prep	7470A			85613	05/13/13 15:35	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 14:24	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:31	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 14:58	LG	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 12:15	JB	TAL CAN
Total/NA	Prep	9012A			85976	05/15/13 09:30	VP	TAL CAN
Total/NA	Analysis	9012A		1	86030	05/15/13 11:52	VP	TAL CAN
Total/NA	Analysis	300.0		2	86054	05/15/13 21:48	AM	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:42	JK	TAL CAN

Client Sample ID: FIELD EQUIP BLANK 1

Lab Sample ID: 240-24251-5

Date Collected: 05/10/13 10:45

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 19:50	LW	TAL CAN
Total/NA	Prep	3520C			86337	05/17/13 10:25	BM	TAL CAN
Total/NA	Analysis	8270C		1	86723	05/21/13 16:54	JG	TAL CAN
Total/NA	Prep	3520C	RE		87232	05/24/13 08:29	SE	TAL CAN
Total/NA	Analysis	8270C	RE	1	87388	05/26/13 23:43	MU	TAL CAN
Total Recoverable	Prep	3005A			85624	05/13/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	85934	05/14/13 12:07	KC	TAL CAN
Total/NA	Prep	7470A			85613	05/13/13 15:35	AS	TAL CAN
Total/NA	Analysis	7470A		1	86041	05/15/13 14:26	AS	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 12:33	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85480	05/10/13 14:59	LG	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 12:22	JB	TAL CAN
Total/NA	Prep	9012A			85976	05/15/13 09:30	VP	TAL CAN

Client Sample ID: FIELD EQUIP BLANK 1

Lab Sample ID: 240-24251-5

Date Collected: 05/10/13 10:45

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012A		1	86030	05/15/13 11:52	VP	TAL CAN
Total/NA	Analysis	300.0		1	86054	05/15/13 22:08	AM	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 12:42	JK	TAL CAN

Client Sample ID: TRIP BLANK 7

Lab Sample ID: 240-24251-6

Date Collected: 05/10/13 00:00

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 20:12	LW	TAL CAN

Client Sample ID: TRIP BLANK 5

Lab Sample ID: 240-24251-7

Date Collected: 05/10/13 00:00

Matrix: Water

Date Received: 05/10/13 13:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86761	05/21/13 20:35	LW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown Ohio

TestAmerica Job ID: 240-24251-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	JD Haines	05/10/2013	014377
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
	216.314.0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	Anka Wierzek	Nate Pietras	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL Uniontown Ohio			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-18S	5/10/13	0805		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-18i	5/10/13	0830		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 6	5/10/13			X						2			X									
MS/MSD (MW-18i)	5/10/13	0840		X			6	2	2	6	2	2	X	X	X	X	X	X	X	X	X	X
MW-22i	5/10/13	1000		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Field Equip Blank 1	5/10/13	1045		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 7	5/10/13			X						2			X									
Trip Blank 5	5/10/13			X						2			X									

Special Instructions/ Conditions of Receipt

240-24251 Chain of Custody

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (longer than 1 month) — e retained

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Anka Wierz	5/10/13	1351	1. Received By:	5/10/13	1357
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: MW-18S / MW-18i / TB 6 ; MS/MSD / TB 5 ; MW-22i / Equip Blank 1 / TB 7

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/29/2013

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 24257

Client EARTH CON Site Name _____ Cooler unpacked by: Tim M. Kr

Cooler Received on 5-10-13 Opened on 5-10-13

FedEx: 1st Grd Exp UPS FAS Stetson (Client Drop Off) TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –0 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☐ See Multiple Cooler Form
IR GUN# 4G	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 5G	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	

2. Were custody seals on the outside of the cooler(s)?	If Yes Quantity_____	Yes (No)
-Were custody seals on the outside of the cooler(s) signed & dated?		Yes No (NA)
-Were custody seals on the bottle(s)?		Yes (No)
3. Shippers' packing slip attached to the cooler(s)?		Yes (No)
4. Did custody papers accompany the sample(s)?		(Yes) No
5. Were the custody papers relinquished & signed in the appropriate place?		(Yes) No
6. Did all bottles arrive in good condition (Unbroken)?		(Yes) No
7. Could all bottle labels be reconciled with the COC?		(Yes) No
8. Were correct bottle(s) used for the test(s) indicated?		(Yes) No
9. Sufficient quantity received to perform indicated analyses?		(Yes) No
10. Were sample(s) at the correct pH upon receipt?		Yes No NA pH Strip Lot# HC379740
11. Were VOAs on the COC?		(Yes) No
12. Were air bubbles >6 mm in any VOA vials?		Yes (No) NA
13. Was a trip blank present in the cooler(s)?		(Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: Derek D. Horn

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # :** 24251
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
client cooler	1	8.1	8.1	ICE
client cooler	1	11.0	11.0	ICE
2003790	1	11.8	11.8	ICE

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-18S	240-24251-D-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-18S	240-24251-E-1	Plastic 250ml - with Sodium	>12		
MW-18S	240-24251-F-1	Plastic 500ml - with Zn Acetate and	>9		
MW-18S	240-24251-G-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-18S	240-24251-H-1	Plastic 500ml - with Nitric Acid	<2		
MW-18I	240-24251-J-2	Plastic 250ml - with Sodium	>12		
MW-18I	240-24251-K-2	Plastic 250ml - with Sodium	>12		
MW-18I	240-24251-L-2	Plastic 250ml - with Sodium	>12		
MW-18I	240-24251-M-2	Plastic 500ml - with Zn Acetate and	>9		
MW-18I	240-24251-N-2	Plastic 500ml - with Zn Acetate and	>9		
MW-18I	240-24251-O-2	Plastic 500ml - with Zn Acetate and	>9		
MW-18I	240-24251-P-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-18I	240-24251-Q-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-18I	240-24251-R-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-18I	240-24251-S-2	Plastic 500ml - with Nitric Acid	<2		
MW-18I	240-24251-T-2	Plastic 500ml - with Nitric Acid	<2		
MW-18I	240-24251-U-2	Plastic 500ml - with Nitric Acid	<2		
MW-22I	240-24251-D-4	Plastic 250ml - with Sulfuric Acid	<2		
MW-22I	240-24251-E-4	Plastic 250ml - with Sodium	>12		
MW-22I	240-24251-F-4	Plastic 500ml - with Zn Acetate and	>9		
MW-22I	240-24251-G-4	Plastic 500ml - with Sulfuric Acid	<2		
MW-22I	240-24251-H-4	Plastic 500ml - with Nitric Acid	<2		
FIELD EQUIP BLANK 1	240-24251-D-5	Plastic 250ml - with Sulfuric Acid	<2		
FIELD EQUIP BLANK 1	240-24251-E-5	Plastic 250ml - with Sodium	>12		
FIELD EQUIP BLANK 1	240-24251-F-5	Plastic 500ml - with Zn Acetate and	>9		
FIELD EQUIP BLANK 1	240-24251-G-5	Plastic 500ml - with Sulfuric Acid	<2		
FIELD EQUIP BLANK 1	240-24251-H-5	Plastic 500ml - with Nitric Acid	<2		

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24251-1

Login Number: 24251
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/11/13 12:01 PM

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

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24251-1

Login Number: 24251
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/11/13 12:12 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-24325-1
Client Project/Site: IEL-UNIONTOWN

For:
EarthCon Consultants Inc
129 Monohon Landing Road
Raymond, Washington 98577

Attn: Kathy Gunderson

Authorized for release by:
5/29/2013 9:50:44 AM

Nathan Pietras, Project Manager II
nathan.pietras@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	Presumptive evidence of material.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
HF	Field parameter with a holding time of 15 minutes

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-24325-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: EarthCon Consultants Inc

Project: IEL-UNIONTOWN

Report Number: 240-24325-1

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

The 353.2 Nitrate Nitrite as N analysis was performed at the TestAmerica Pittsburgh Laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/13/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 10.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-17 NEW (240-24325-1), MW-16 NEW (240-24325-2) and TRIP BLANK 8(TB8) (240-24325-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/23/2013.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/17/2013 and 05/24/2013 and analyzed on 05/21/2013 and 05/26/2013.

Job ID: 240-24325-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Terphenyl-d14 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for MW-16 NEW (240-24325-2).

Hexachlorocyclopentadiene failed the recovery criteria low for LCS 240-86336/13-A.

Caprolactam failed the recovery criteria low for LCS 240-87232/15-A.

Method(s) 8270C: The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: MW-16 NEW (240-24325-2). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The laboratory control sample (LCS) for prep batch 86336, associated with samples MW-16 NEW (240-24325-2), MW-17 NEW (240-24325-1), had a recovery for the analyte hexachlorocyclopentadiene below acceptance criteria. The associated samples were re-prepared and re-analyzed outside holding time. Both sets of data have been reported.

Method(s) 8270C: The following sample contained one acid and one base surrogate outside acceptance limits: MW-16 NEW (240-24325-2). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The laboratory control sample (LCS) for prep batch 87232, associated with samples MW-16 NEW (240-24325-2), MW-17 NEW (240-24325-1), MW-18I (240-24251-2), MW-18I (240-24251-2 MS), MW-18I (240-24251-2 MSD), had a recovery for caprolactam below acceptance criteria. Because this analyte is not a control analyte no corrective action was required.

Method(s) 8270C: The laboratory control sample (LCS) for prep batch 86126, associated with samples MW-18I (240-24251-2), MW-18I (240-24251-2 MS), MW-18I (240-24251-2 MSD), had recoveries for several control analytes below acceptance criteria. The associated samples were re-prepared and re-analyzed outside holding time. Both sets of data have been reported.

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 86336, 8270.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 05/14/2013 and analyzed on 05/15/2013 and 05/16/2013.

Several analytes were detected in method blank MB 240-85795/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Method(s) 6020: The reporting limit (RL) provided for the following analyte(s) Arsenic Barium and Thallium falls below the laboratory's verified standard quantitation limit: MW-16 NEW (240-24325-2), MW-17 NEW (240-24325-1). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client’s discretion. The continuing calibration blanks and method blanks may not support the lower RL.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for total mercury in accordance with EPA SW-846

Job ID: 240-24325-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Methods 7470A. The samples were prepared on 05/15/2013 and analyzed on 05/16/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 05/17/2013, 05/18/2013 and 05/20/2013.

Sample MW-16 NEW (240-24325-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 05/16/2013.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

FERROUS IRON

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for ferrous iron in accordance with SM 3500 F+2 D. The samples were analyzed on 05/14/2013.

No difficulties were encountered during the ferrous iron analyses.

All quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 05/21/2013.

No difficulties were encountered during the nitrate-nitrite analyses.

All quality control parameters were within the acceptance limits.

SULFIDE

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 05/15/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-17 NEW (240-24325-1) and MW-16 NEW (240-24325-2) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 05/15/2013.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Job ID: 240-24325-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method Summary

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.3	Nitrogen, Ammonia	MCAWW	TAL CAN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL PIT
376.1	Sulfide	MCAWW	TAL CAN
9012A	Cyanide, Total and/or Amenable	SW846	TAL CAN
SM 3500 FE D	Iron, Ferrous	SM	TAL CAN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-24325-1	MW-17 NEW	Water	05/13/13 13:45	05/13/13 15:45
240-24325-2	MW-16 NEW	Water	05/13/13 14:35	05/13/13 15:45
240-24325-3	TRIP BLANK 8(TB8)	Water	05/13/13 00:00	05/13/13 15:45

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-17 NEW — Lab Sample ID: 240-24325-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate - RE	1.2	J H	1.9	0.76	ug/L	1		8270C	Total/NA
Aluminum	36000		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.86	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	29	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	380	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	2.3		1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	120000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.38	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	39		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	100		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	66	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	76000		100	12	ug/L	1		6020	Total Recoverable
Magnesium	36000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	11000		1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1200		5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	93		2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	43		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	5.0		5.0	0.34	ug/L	1		6020	Total Recoverable
Thallium	1.0		1.0	0.40	ug/L	1		6020	Total Recoverable
Zinc	230	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.10	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	22000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	65		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	69		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.044	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.071	J	0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.043	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-16 NEW — Lab Sample ID: 240-24325-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.15	J	1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	0.27	J	1.0	0.13	ug/L	1		8260B	Total/NA
Cyclohexane	0.13	J	1.0	0.12	ug/L	1		8260B	Total/NA
Methylcyclohexane	0.62	J	1.0	0.13	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-16 NEW (Continued) — Lab Sample ID: 240-24325-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.10	J	0.19	0.095	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	0.88	J	1.9	0.76	ug/L	1		8270C	Total/NA
Phenanthrene	0.13	J	0.19	0.095	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate - RE	1.8	J H	1.9	0.76	ug/L	1		8270C	Total/NA
Aluminum	48000		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	2.5	B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	160	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	390	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	3.6		1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	190000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	1.3		1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	61		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	190		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	210	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	180000		100	12	ug/L	1		6020	Total Recoverable
Magnesium	64000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	11000		1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	2700		5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	160		2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	150		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	28		5.0	0.34	ug/L	1		6020	Total Recoverable
Thallium	1.1		1.0	0.40	ug/L	1		6020	Total Recoverable
Zinc	720	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.30	J	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	57000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Mercury	0.37		0.20	0.12	ug/L	1		7470A	Total/NA
Chloride	84		2.0	0.20	mg/L	2		300.0	Total/NA
Sulfate	54		2.0	0.24	mg/L	2		300.0	Total/NA
Nitrate Nitrite as N	5.5		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.033	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 8(TB8) — Lab Sample ID: 240-24325-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.97	J	1.0	0.13	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-17 NEW
Date Collected: 05/13/13 13:45
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/23/13 16:35	1
Benzene	ND		1.0	0.13	ug/L			05/23/13 16:35	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/23/13 16:35	1
Bromoform	ND		1.0	0.64	ug/L			05/23/13 16:35	1
Bromomethane	ND		1.0	0.41	ug/L			05/23/13 16:35	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/23/13 16:35	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/23/13 16:35	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/23/13 16:35	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/23/13 16:35	1
Chloroethane	ND		1.0	0.29	ug/L			05/23/13 16:35	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 16:35	1
Chloromethane	ND		1.0	0.30	ug/L			05/23/13 16:35	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/23/13 16:35	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 16:35	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 16:35	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 16:35	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/23/13 16:35	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/23/13 16:35	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/23/13 16:35	1
2-Hexanone	ND		10	0.41	ug/L			05/23/13 16:35	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/23/13 16:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/23/13 16:35	1
Styrene	ND		1.0	0.11	ug/L			05/23/13 16:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/23/13 16:35	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/23/13 16:35	1
Toluene	ND		1.0	0.13	ug/L			05/23/13 16:35	1
Trichloroethene	ND		1.0	0.17	ug/L			05/23/13 16:35	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/23/13 16:35	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/23/13 16:35	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/23/13 16:35	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 16:35	1
Cyclohexane	ND		1.0	0.12	ug/L			05/23/13 16:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/23/13 16:35	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/23/13 16:35	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/23/13 16:35	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/23/13 16:35	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 16:35	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/23/13 16:35	1
Methyl acetate	ND		10	0.38	ug/L			05/23/13 16:35	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/23/13 16:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/23/13 16:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 16:35	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 16:35	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/23/13 16:35	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 16:35	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/23/13 16:35	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/23/13 16:35	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/23/13 16:35	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-17 NEW
Date Collected: 05/13/13 13:45
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-1
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, trimethyl-	2.0	T J N	ug/L		4.61	1066-40-6		05/23/13 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		63 - 129		05/23/13 16:35	1
4-Bromofluorobenzene (Surr)	78		66 - 117		05/23/13 16:35	1
Toluene-d8 (Surr)	95		74 - 115		05/23/13 16:35	1
Dibromofluoromethane (Surr)	97		75 - 121		05/23/13 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/17/13 10:18	05/21/13 13:47	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/17/13 10:18	05/21/13 13:47	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/17/13 10:18	05/21/13 13:47	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/17/13 10:18	05/21/13 13:47	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/17/13 10:18	05/21/13 13:47	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 13:47	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/17/13 10:18	05/21/13 13:47	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 13:47	1
Acenaphthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Acetophenone	ND		0.95	0.32	ug/L		05/17/13 10:18	05/21/13 13:47	1
Anthracene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Atrazine	ND		0.95	0.32	ug/L		05/17/13 10:18	05/21/13 13:47	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/17/13 10:18	05/21/13 13:47	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/17/13 10:18	05/21/13 13:47	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
Caprolactam	ND		4.8	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1

Client Sample ID: MW-17 NEW
Date Collected: 05/13/13 13:45
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.95	0.27	ug/L		05/17/13 10:18	05/21/13 13:47	1
Chrysene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/17/13 10:18	05/21/13 13:47	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/17/13 10:18	05/21/13 13:47	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/17/13 10:18	05/21/13 13:47	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
Fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Fluorene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/17/13 10:18	05/21/13 13:47	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Isophorone	ND		0.95	0.26	ug/L		05/17/13 10:18	05/21/13 13:47	1
Naphthalene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/17/13 10:18	05/21/13 13:47	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 13:47	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/17/13 10:18	05/21/13 13:47	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 13:47	1
Phenol	ND		0.95	0.57	ug/L		05/17/13 10:18	05/21/13 13:47	1
Phenanthrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
Pyrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 13:47	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/17/13 10:18	05/21/13 13:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.34*	*T J*	*ug/L*		*5.75*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.34*	*T J*	*ug/L*		*5.98*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.33*	*T J*	*ug/L*		*6.09*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.53*	*T J*	*ug/L*		*6.15*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.50*	*T J*	*ug/L*		*7.04*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.41*	*T J*	*ug/L*		*7.69*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.26*	*T J*	*ug/L*		*8.75*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.33*	*T J*	*ug/L*		*9.56*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.28*	*T J*	*ug/L*		*10.90*		*05/17/13 10:18*	*05/21/13 13:47*	*1*
Unknown	*0.27*	*T J*	*ug/L*		*11.65*		*05/17/13 10:18*	*05/21/13 13:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*20 - 110*	*05/17/13 10:18*	*05/21/13 13:47*	*1*
2-Fluorophenol (Surr)	*59*		*10 - 110*	*05/17/13 10:18*	*05/21/13 13:47*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/17/13 10:18*	*05/21/13 13:47*	*1*
Nitrobenzene-d5 (Surr)	*56*		*21 - 110*	*05/17/13 10:18*	*05/21/13 13:47*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*05/17/13 10:18*	*05/21/13 13:47*	*1*
Terphenyl-d14 (Surr)	*39*		*24 - 110*	*05/17/13 10:18*	*05/21/13 13:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/24/13 08:29	05/26/13 22:52	1

Client Sample ID: MW-17 NEW
Date Collected: 05/13/13 13:45
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/24/13 08:29	05/26/13 22:52	1
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/24/13 08:29	05/26/13 22:52	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/26/13 22:52	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/24/13 08:29	05/26/13 22:52	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/26/13 22:52	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 22:52	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/24/13 08:29	05/26/13 22:52	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 22:52	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/26/13 22:52	1
Anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Atrazine	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/26/13 22:52	1
Benzaldehyde	ND	H	0.95	0.37	ug/L		05/24/13 08:29	05/26/13 22:52	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/26/13 22:52	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Bis(2-ethylhexyl) phthalate	**1.2**	**J H**	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
Caprolactam	ND	H *	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
Carbazole	ND	H	0.95	0.27	ug/L		05/24/13 08:29	05/26/13 22:52	1
Chrysene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/24/13 08:29	05/26/13 22:52	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/24/13 08:29	05/26/13 22:52	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/24/13 08:29	05/26/13 22:52	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Fluorene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1

Client Sample ID: MW-17 NEW
Date Collected: 05/13/13 13:45
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/26/13 22:52	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Isophorone	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/26/13 22:52	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/24/13 08:29	05/26/13 22:52	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 22:52	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/26/13 22:52	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 22:52	1
Phenol	ND	H	0.95	0.57	ug/L		05/24/13 08:29	05/26/13 22:52	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
Pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 22:52	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/24/13 08:29	05/26/13 22:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.3*	*T H J*	*ug/L*		*10.74*		*05/24/13 08:29*	*05/26/13 22:52*	*1*
Unknown	*1.1*	*T H J*	*ug/L*		*11.31*		*05/24/13 08:29*	*05/26/13 22:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*20 - 110*	*05/24/13 08:29*	*05/26/13 22:52*	*1*
2-Fluorophenol (Surr)	*36*		*10 - 110*	*05/24/13 08:29*	*05/26/13 22:52*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*21 - 110*	*05/24/13 08:29*	*05/26/13 22:52*	*1*
Nitrobenzene-d5 (Surr)	*55*		*21 - 110*	*05/24/13 08:29*	*05/26/13 22:52*	*1*
Phenol-d5 (Surr)	*21*		*21 - 110*	*05/24/13 08:29*	*05/26/13 22:52*	*1*
Terphenyl-d14 (Surr)	*31*		*24 - 110*	*05/24/13 08:29*	*05/26/13 22:52*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**36000**		50	7.5	ug/L		05/14/13 09:04	05/15/13 18:30	1
Antimony	**0.86**	**J B**	2.0	0.11	ug/L		05/14/13 09:04	05/15/13 18:30	1
Arsenic	**29**	**B**	3.0	0.063	ug/L		05/14/13 09:04	05/15/13 18:30	1
Barium	**380**	**B**	1.0	0.32	ug/L		05/14/13 09:04	05/15/13 18:30	1
Beryllium	**2.3**		1.0	0.031	ug/L		05/14/13 09:04	05/16/13 09:30	1
Calcium	**120000**	**B**	1000	27	ug/L		05/14/13 09:04	05/15/13 18:30	1
Cadmium	**0.38**	**J**	1.0	0.026	ug/L		05/14/13 09:04	05/15/13 18:30	1
Cobalt	**39**		1.0	0.020	ug/L		05/14/13 09:04	05/15/13 18:30	1
Chromium	**100**		2.0	0.13	ug/L		05/14/13 09:04	05/15/13 18:30	1
Copper	**66**	**B**	2.0	0.24	ug/L		05/14/13 09:04	05/15/13 18:30	1
Iron	**76000**		100	12	ug/L		05/14/13 09:04	05/15/13 18:30	1
Magnesium	**36000**	**B**	1000	15	ug/L		05/14/13 09:04	05/15/13 18:30	1
Potassium	**11000**		1000	5.1	ug/L		05/14/13 09:04	05/16/13 09:30	1
Manganese	**1200**		5.0	0.41	ug/L		05/14/13 09:04	05/15/13 18:30	1
Nickel	**93**		2.0	0.088	ug/L		05/14/13 09:04	05/15/13 18:30	1
Lead	**43**		1.0	0.14	ug/L		05/14/13 09:04	05/15/13 18:30	1
Selenium	**5.0**		5.0	0.34	ug/L		05/14/13 09:04	05/15/13 18:30	1
Thallium	**1.0**		1.0	0.40	ug/L		05/14/13 09:04	05/15/13 18:30	1
Zinc	**230**	**B**	20	2.1	ug/L		05/14/13 09:04	05/15/13 18:30	1
Silver	**0.10**	**J**	1.0	0.0083	ug/L		05/14/13 09:04	05/15/13 18:30	1
Sodium	**22000**	**B**	1000	4.2	ug/L		05/14/13 09:04	05/15/13 18:30	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-17 NEW
Date Collected: 05/13/13 13:45
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-1
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/15/13 15:35	05/16/13 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65**		1.0	0.10	mg/L			05/20/13 22:57	1
Sulfate	**69**		1.0	0.12	mg/L			05/17/13 23:29	1
Ammonia (as N)	**0.044**	**J**	0.20	0.035	mg/L			05/16/13 13:35	1
Nitrate Nitrite as N	**0.071**	**J**	0.10	0.014	mg/L			05/21/13 13:33	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 12:28	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 10:46	05/15/13 13:01	1
Ferrous Iron	**0.043**	**J HF**	0.050	0.018	mg/L			05/14/13 09:12	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-16 NEW
Date Collected: 05/13/13 14:35
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/23/13 16:58	1
Benzene	**0.15**	**J**	1.0	0.13	ug/L			05/23/13 16:58	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/23/13 16:58	1
Bromoform	ND		1.0	0.64	ug/L			05/23/13 16:58	1
Bromomethane	ND		1.0	0.41	ug/L			05/23/13 16:58	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/23/13 16:58	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/23/13 16:58	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/23/13 16:58	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/23/13 16:58	1
Chloroethane	ND		1.0	0.29	ug/L			05/23/13 16:58	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 16:58	1
Chloromethane	ND		1.0	0.30	ug/L			05/23/13 16:58	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/23/13 16:58	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 16:58	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 16:58	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 16:58	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/23/13 16:58	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/23/13 16:58	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/23/13 16:58	1
2-Hexanone	ND		10	0.41	ug/L			05/23/13 16:58	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/23/13 16:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/23/13 16:58	1
Styrene	ND		1.0	0.11	ug/L			05/23/13 16:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/23/13 16:58	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/23/13 16:58	1
Toluene	**0.27**	**J**	1.0	0.13	ug/L			05/23/13 16:58	1
Trichloroethene	ND		1.0	0.17	ug/L			05/23/13 16:58	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/23/13 16:58	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/23/13 16:58	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/23/13 16:58	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 16:58	1
Cyclohexane	**0.13**	**J**	1.0	0.12	ug/L			05/23/13 16:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/23/13 16:58	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/23/13 16:58	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/23/13 16:58	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/23/13 16:58	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 16:58	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/23/13 16:58	1
Methyl acetate	ND		10	0.38	ug/L			05/23/13 16:58	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/23/13 16:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/23/13 16:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 16:58	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 16:58	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/23/13 16:58	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 16:58	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/23/13 16:58	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/23/13 16:58	1
Methylcyclohexane	**0.62**	**J**	1.0	0.13	ug/L			05/23/13 16:58	1

Client Sample ID: MW-16 NEW

Date Collected: 05/13/13 14:35
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-2

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	1.0	T J N	ug/L		2.49	78-78-4		05/23/13 16:58	1
Silanol, trimethyl-	3.5	T J N	ug/L		4.61	1066-40-6		05/23/13 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		63 - 129		05/23/13 16:58	1
4-Bromofluorobenzene (Surr)	73		66 - 117		05/23/13 16:58	1
Toluene-d8 (Surr)	91		74 - 115		05/23/13 16:58	1
Dibromofluoromethane (Surr)	94		75 - 121		05/23/13 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/17/13 10:18	05/21/13 14:14	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/17/13 10:18	05/21/13 14:14	1
2-Methylnaphthalene	**0.10**	**J**	0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/17/13 10:18	05/21/13 14:14	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/17/13 10:18	05/21/13 14:14	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/17/13 10:18	05/21/13 14:14	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 14:14	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/17/13 10:18	05/21/13 14:14	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 14:14	1
Acenaphthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Acetophenone	ND		0.95	0.32	ug/L		05/17/13 10:18	05/21/13 14:14	1
Anthracene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Atrazine	ND		0.95	0.32	ug/L		05/17/13 10:18	05/21/13 14:14	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/17/13 10:18	05/21/13 14:14	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/17/13 10:18	05/21/13 14:14	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Bis(2-ethylhexyl) phthalate	**0.88**	**J**	1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1

Client Sample ID: MW-16 NEW
Date Collected: 05/13/13 14:35
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
Carbazole	ND		0.95	0.27	ug/L		05/17/13 10:18	05/21/13 14:14	1
Chrysene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/17/13 10:18	05/21/13 14:14	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/17/13 10:18	05/21/13 14:14	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/17/13 10:18	05/21/13 14:14	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
Fluoranthene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Fluorene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/17/13 10:18	05/21/13 14:14	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Isophorone	ND		0.95	0.26	ug/L		05/17/13 10:18	05/21/13 14:14	1
Naphthalene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/17/13 10:18	05/21/13 14:14	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/17/13 10:18	05/21/13 14:14	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/17/13 10:18	05/21/13 14:14	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/17/13 10:18	05/21/13 14:14	1
Phenol	ND		0.95	0.57	ug/L		05/17/13 10:18	05/21/13 14:14	1
Phenanthrene	**0.13**	**J**	0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
Pyrene	ND		0.19	0.095	ug/L		05/17/13 10:18	05/21/13 14:14	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/17/13 10:18	05/21/13 14:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.53*	*T J*	*ug/L*		*5.70*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.51*	*T J*	*ug/L*		*5.98*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.42*	*T J*	*ug/L*		*6.09*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*6.15*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.43*	*T J*	*ug/L*		*7.69*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.40*	*T J*	*ug/L*		*9.56*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.44*	*T J*	*ug/L*		*10.34*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.57*	*T J*	*ug/L*		*13.64*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.47*	*T J*	*ug/L*		*15.26*		*05/17/13 10:18*	*05/21/13 14:14*	*1*
Unknown	*0.55*	*T J*	*ug/L*		*16.49*		*05/17/13 10:18*	*05/21/13 14:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*50*		*20 - 110*	*05/17/13 10:18*	*05/21/13 14:14*	*1*
2-Fluorophenol (Surr)	*54*		*10 - 110*	*05/17/13 10:18*	*05/21/13 14:14*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*21 - 110*	*05/17/13 10:18*	*05/21/13 14:14*	*1*
Nitrobenzene-d5 (Surr)	*54*		*21 - 110*	*05/17/13 10:18*	*05/21/13 14:14*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*05/17/13 10:18*	*05/21/13 14:14*	*1*
Terphenyl-d14 (Surr)	*16*	*X*	*24 - 110*	*05/17/13 10:18*	*05/21/13 14:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-16 NEW
Date Collected: 05/13/13 14:35
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/24/13 08:29	05/26/13 23:17	1
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/24/13 08:29	05/26/13 23:17	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/26/13 23:17	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/24/13 08:29	05/26/13 23:17	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/24/13 08:29	05/26/13 23:17	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:17	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/24/13 08:29	05/26/13 23:17	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:17	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/26/13 23:17	1
Anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Atrazine	ND	H	0.95	0.32	ug/L		05/24/13 08:29	05/26/13 23:17	1
Benzaldehyde	ND	H	0.95	0.37	ug/L		05/24/13 08:29	05/26/13 23:17	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/26/13 23:17	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Bis(2-ethylhexyl) phthalate	**1.8**	**J H**	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
Caprolactam	ND	H *	4.8	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
Carbazole	ND	H	0.95	0.27	ug/L		05/24/13 08:29	05/26/13 23:17	1
Chrysene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/24/13 08:29	05/26/13 23:17	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/24/13 08:29	05/26/13 23:17	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/24/13 08:29	05/26/13 23:17	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Fluorene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1

Client Sample ID: MW-16 NEW
Date Collected: 05/13/13 14:35
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/26/13 23:17	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Isophorone	ND	H	0.95	0.26	ug/L		05/24/13 08:29	05/26/13 23:17	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/24/13 08:29	05/26/13 23:17	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/24/13 08:29	05/26/13 23:17	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/24/13 08:29	05/26/13 23:17	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/24/13 08:29	05/26/13 23:17	1
Phenol	ND	H	0.95	0.57	ug/L		05/24/13 08:29	05/26/13 23:17	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
Pyrene	ND	H	0.19	0.095	ug/L		05/24/13 08:29	05/26/13 23:17	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/24/13 08:29	05/26/13 23:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Hydrocarbon	*0.84*	*T H J*	*ug/L*		*9.33*		*05/24/13 08:29*	*05/26/13 23:17*	*1*
Unknown	*1.7*	*T H J*	*ug/L*		*10.71*		*05/24/13 08:29*	*05/26/13 23:17*	*1*
Unknown	*1.1*	*T H J*	*ug/L*		*11.30*		*05/24/13 08:29*	*05/26/13 23:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*45*		*20 - 110*	*05/24/13 08:29*	*05/26/13 23:17*	*1*
2-Fluorophenol (Surr)	*25*		*10 - 110*	*05/24/13 08:29*	*05/26/13 23:17*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*21 - 110*	*05/24/13 08:29*	*05/26/13 23:17*	*1*
Nitrobenzene-d5 (Surr)	*44*		*21 - 110*	*05/24/13 08:29*	*05/26/13 23:17*	*1*
Phenol-d5 (Surr)	*15*	*X*	*21 - 110*	*05/24/13 08:29*	*05/26/13 23:17*	*1*
Terphenyl-d14 (Surr)	*19*	*X*	*24 - 110*	*05/24/13 08:29*	*05/26/13 23:17*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**48000**		50	7.5	ug/L		05/14/13 09:04	05/15/13 18:45	1
Antimony	**2.5**	**B**	2.0	0.11	ug/L		05/14/13 09:04	05/15/13 18:45	1
Arsenic	**160**	**B**	3.0	0.063	ug/L		05/14/13 09:04	05/15/13 18:45	1
Barium	**390**	**B**	1.0	0.32	ug/L		05/14/13 09:04	05/15/13 18:45	1
Beryllium	**3.6**		1.0	0.031	ug/L		05/14/13 09:04	05/16/13 09:38	1
Calcium	**190000**	**B**	1000	27	ug/L		05/14/13 09:04	05/15/13 18:45	1
Cadmium	**1.3**		1.0	0.026	ug/L		05/14/13 09:04	05/15/13 18:45	1
Cobalt	**61**		1.0	0.020	ug/L		05/14/13 09:04	05/15/13 18:45	1
Chromium	**190**		2.0	0.13	ug/L		05/14/13 09:04	05/15/13 18:45	1
Copper	**210**	**B**	2.0	0.24	ug/L		05/14/13 09:04	05/15/13 18:45	1
Iron	**180000**		100	12	ug/L		05/14/13 09:04	05/15/13 18:45	1
Magnesium	**64000**	**B**	1000	15	ug/L		05/14/13 09:04	05/15/13 18:45	1
Potassium	**11000**		1000	5.1	ug/L		05/14/13 09:04	05/16/13 09:38	1
Manganese	**2700**		5.0	0.41	ug/L		05/14/13 09:04	05/15/13 18:45	1
Nickel	**160**		2.0	0.088	ug/L		05/14/13 09:04	05/15/13 18:45	1
Lead	**150**		1.0	0.14	ug/L		05/14/13 09:04	05/15/13 18:45	1
Selenium	**28**		5.0	0.34	ug/L		05/14/13 09:04	05/15/13 18:45	1
Thallium	**1.1**		1.0	0.40	ug/L		05/14/13 09:04	05/15/13 18:45	1
Zinc	**720**	**B**	20	2.1	ug/L		05/14/13 09:04	05/15/13 18:45	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: MW-16 NEW
Date Collected: 05/13/13 14:35
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-2
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.30	J	1.0	0.0083	ug/L		05/14/13 09:04	05/15/13 18:45	1
Sodium	57000	B	1000	4.2	ug/L		05/14/13 09:04	05/15/13 18:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.20	0.12	ug/L		05/15/13 15:35	05/16/13 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84		2.0	0.20	mg/L			05/18/13 03:11	2
Sulfate	54		2.0	0.24	mg/L			05/18/13 03:11	2
Ammonia (as N)	ND		0.20	0.035	mg/L			05/16/13 13:35	1
Nitrate Nitrite as N	5.5		0.10	0.014	mg/L			05/21/13 13:35	1
Sulfide	ND		1.0	0.67	mg/L			05/15/13 12:35	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 10:46	05/15/13 13:01	1
Ferrous Iron	0.033	J HF	0.050	0.018	mg/L			05/14/13 09:15	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: TRIP BLANK 8(TB8)
Date Collected: 05/13/13 00:00
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/23/13 07:55	1
Benzene	ND		1.0	0.13	ug/L			05/23/13 07:55	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/23/13 07:55	1
Bromoform	ND		1.0	0.64	ug/L			05/23/13 07:55	1
Bromomethane	ND		1.0	0.41	ug/L			05/23/13 07:55	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/23/13 07:55	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/23/13 07:55	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/23/13 07:55	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/23/13 07:55	1
Chloroethane	ND		1.0	0.29	ug/L			05/23/13 07:55	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 07:55	1
Chloromethane	ND		1.0	0.30	ug/L			05/23/13 07:55	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/23/13 07:55	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 07:55	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 07:55	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 07:55	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/23/13 07:55	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/23/13 07:55	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/23/13 07:55	1
2-Hexanone	ND		10	0.41	ug/L			05/23/13 07:55	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/23/13 07:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/23/13 07:55	1
Styrene	ND		1.0	0.11	ug/L			05/23/13 07:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/23/13 07:55	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/23/13 07:55	1
Toluene	**0.97**	**J**	1.0	0.13	ug/L			05/23/13 07:55	1
Trichloroethene	ND		1.0	0.17	ug/L			05/23/13 07:55	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/23/13 07:55	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/23/13 07:55	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/23/13 07:55	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 07:55	1
Cyclohexane	ND		1.0	0.12	ug/L			05/23/13 07:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/23/13 07:55	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/23/13 07:55	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/23/13 07:55	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/23/13 07:55	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 07:55	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/23/13 07:55	1
Methyl acetate	ND		10	0.38	ug/L			05/23/13 07:55	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/23/13 07:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/23/13 07:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 07:55	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 07:55	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/23/13 07:55	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 07:55	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/23/13 07:55	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/23/13 07:55	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/23/13 07:55	1

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Client Sample ID: TRIP BLANK 8(TB8)
Date Collected: 05/13/13 00:00
Date Received: 05/13/13 15:45

Lab Sample ID: 240-24325-3
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Isobutane	11	T J N	ug/L		1.81	75-28-5		05/23/13 07:55	1
Tetrahydrofuran	1.3	J	ug/L		4.98	109-99-9		05/23/13 07:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		63 - 129		05/23/13 07:55	1
4-Bromofluorobenzene (Surr)	74		66 - 117		05/23/13 07:55	1
Toluene-d8 (Surr)	82		74 - 115		05/23/13 07:55	1
Dibromofluoromethane (Surr)	104		75 - 121		05/23/13 07:55	1

Surrogate Summary

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-24325-1	MW-17 NEW	99	78	95	97
240-24325-2	MW-16 NEW	98	73	91	94
240-24325-3	TRIP BLANK 8(TB8)	101	74	82	104
LCS 240-87002/4	Lab Control Sample	95	97	97	95
LCS 240-87140/4	Lab Control Sample	95	103	102	100
MB 240-87002/6	Method Blank	100	78	87	96
MB 240-87140/6	Method Blank	106	87	97	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)
240-24325-1	MW-17 NEW	54	59	63	56	62	39
240-24325-1 - RE	MW-17 NEW	58	36	56	55	21	31
240-24325-2	MW-16 NEW	50	54	60	54	57	16 X
240-24325-2 - RE	MW-16 NEW	45	25	49	44	15 X	19 X
LCS 240-86336/13-A	Lab Control Sample	61	62	71	62	66	51
LCS 240-87232/15-A	Lab Control Sample	69	58	76	75	42	76
MB 240-86336/12-A	Method Blank	56	48	39	58	61	50
MB 240-87232/14-A	Method Blank	71	55	81	72	38	78

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 240-87002/6
Matrix: Water
Analysis Batch: 87002

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/23/13 03:28	1
Benzene	ND		1.0	0.13	ug/L			05/23/13 03:28	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/23/13 03:28	1
Bromoform	ND		1.0	0.64	ug/L			05/23/13 03:28	1
Bromomethane	ND		1.0	0.41	ug/L			05/23/13 03:28	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/23/13 03:28	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/23/13 03:28	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/23/13 03:28	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/23/13 03:28	1
Chloroethane	ND		1.0	0.29	ug/L			05/23/13 03:28	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 03:28	1
Chloromethane	ND		1.0	0.30	ug/L			05/23/13 03:28	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/23/13 03:28	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 03:28	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 03:28	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 03:28	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/23/13 03:28	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/23/13 03:28	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/23/13 03:28	1
2-Hexanone	ND		10	0.41	ug/L			05/23/13 03:28	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/23/13 03:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/23/13 03:28	1
Styrene	ND		1.0	0.11	ug/L			05/23/13 03:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/23/13 03:28	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/23/13 03:28	1
Toluene	ND		1.0	0.13	ug/L			05/23/13 03:28	1
Trichloroethene	ND		1.0	0.17	ug/L			05/23/13 03:28	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/23/13 03:28	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/23/13 03:28	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/23/13 03:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 03:28	1
Cyclohexane	ND		1.0	0.12	ug/L			05/23/13 03:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/23/13 03:28	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/23/13 03:28	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/23/13 03:28	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/23/13 03:28	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 03:28	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/23/13 03:28	1
Methyl acetate	ND		10	0.38	ug/L			05/23/13 03:28	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/23/13 03:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/23/13 03:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 03:28	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 03:28	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/23/13 03:28	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 03:28	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/23/13 03:28	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/23/13 03:28	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/23/13 03:28	1

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

Lab Sample ID: MB 240-87002/6
Matrix: Water
Analysis Batch: 87002

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/23/13 03:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		63 - 129		05/23/13 03:28	1
4-Bromofluorobenzene (Surr)	78		66 - 117		05/23/13 03:28	1
Toluene-d8 (Surr)	87		74 - 115		05/23/13 03:28	1
Dibromofluoromethane (Surr)	96		75 - 121		05/23/13 03:28	1

Lab Sample ID: LCS 240-87002/4
Matrix: Water
Analysis Batch: 87002

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.3		ug/L		81	43 - 136
Benzene	10.0	9.26		ug/L		93	83 - 112
Dichlorobromomethane	10.0	9.94		ug/L		99	72 - 121
Bromoform	10.0	9.89		ug/L		99	40 - 131
Bromomethane	10.0	8.87		ug/L		89	11 - 185
2-Butanone (MEK)	20.0	17.1		ug/L		86	60 - 126
Carbon disulfide	10.0	8.52		ug/L		85	62 - 142
Carbon tetrachloride	10.0	9.04		ug/L		90	66 - 128
Chlorobenzene	10.0	9.02		ug/L		90	85 - 110
Chloroethane	10.0	8.11		ug/L		81	25 - 153
Chloroform	10.0	8.57		ug/L		86	79 - 117
Chloromethane	10.0	8.01		ug/L		80	44 - 126
1,1-Dichloroethane	10.0	8.54		ug/L		85	82 - 115
1,2-Dichloroethane	10.0	9.14		ug/L		91	71 - 127
1,1-Dichloroethene	10.0	8.60		ug/L		86	78 - 131
1,2-Dichloropropane	10.0	9.63		ug/L		96	81 - 115
cis-1,3-Dichloropropene	10.0	8.50		ug/L		85	61 - 115
trans-1,3-Dichloropropene	10.0	8.47		ug/L		85	58 - 117
Ethylbenzene	10.0	9.18		ug/L		92	83 - 112
2-Hexanone	20.0	21.3		ug/L		106	55 - 133
Methylene Chloride	10.0	8.22		ug/L		82	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	20.4		ug/L		102	63 - 128
Styrene	10.0	8.69		ug/L		87	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.75		ug/L		97	68 - 118
Tetrachloroethene	10.0	8.85		ug/L		89	79 - 114
Toluene	10.0	9.36		ug/L		94	84 - 111
Trichloroethene	10.0	9.33		ug/L		93	76 - 117
Vinyl chloride	10.0	8.16		ug/L		82	53 - 127
Xylenes, Total	30.0	27.9		ug/L		93	83 - 112
1,1,1-Trichloroethane	10.0	8.51		ug/L		85	74 - 118
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	80 - 112
Cyclohexane	10.0	7.35		ug/L		74	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.83		ug/L		98	42 - 136
Ethylene Dibromide	10.0	10.1		ug/L		101	79 - 113

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

Lab Sample ID: LCS 240-87002/4
Matrix: Water
Analysis Batch: 87002

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	6.99		ug/L		70	19 - 129
cis-1,2-Dichloroethene	10.0	8.75		ug/L		87	80 - 113
trans-1,2-Dichloroethene	10.0	8.46		ug/L		85	83 - 117
Isopropylbenzene	10.0	7.48		ug/L		75	75 - 114
Methyl acetate	10.0	9.30	J	ug/L		93	58 - 131
Methyl tert-butyl ether	10.0	8.75		ug/L		88	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.92		ug/L		99	74 - 151
1,2,4-Trichlorobenzene	10.0	8.14		ug/L		81	48 - 135
1,2-Dichlorobenzene	10.0	8.97		ug/L		90	81 - 110
1,3-Dichlorobenzene	10.0	8.84		ug/L		88	80 - 110
1,4-Dichlorobenzene	10.0	8.46		ug/L		85	82 - 110
Trichlorofluoromethane	10.0	11.0		ug/L		110	49 - 157
Chlorodibromomethane	10.0	9.01		ug/L		90	64 - 119
Methylcyclohexane	10.0	6.59		ug/L		66	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*
4-Bromofluorobenzene (Surr)	*97*		*66 - 117*
Toluene-d8 (Surr)	*97*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

Lab Sample ID: MB 240-87140/6
Matrix: Water
Analysis Batch: 87140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			05/23/13 14:45	1
Benzene	ND		1.0	0.13	ug/L			05/23/13 14:45	1
Dichlorobromomethane	ND		1.0	0.15	ug/L			05/23/13 14:45	1
Bromoform	ND		1.0	0.64	ug/L			05/23/13 14:45	1
Bromomethane	ND		1.0	0.41	ug/L			05/23/13 14:45	1
2-Butanone (MEK)	ND		10	0.57	ug/L			05/23/13 14:45	1
Carbon disulfide	ND		1.0	0.13	ug/L			05/23/13 14:45	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			05/23/13 14:45	1
Chlorobenzene	ND		1.0	0.15	ug/L			05/23/13 14:45	1
Chloroethane	ND		1.0	0.29	ug/L			05/23/13 14:45	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 14:45	1
Chloromethane	ND		1.0	0.30	ug/L			05/23/13 14:45	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			05/23/13 14:45	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 14:45	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 14:45	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			05/23/13 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			05/23/13 14:45	1
Ethylbenzene	ND		1.0	0.17	ug/L			05/23/13 14:45	1
2-Hexanone	ND		10	0.41	ug/L			05/23/13 14:45	1
Methylene Chloride	ND		1.0	0.33	ug/L			05/23/13 14:45	1

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

Lab Sample ID: MB 240-87140/6
Matrix: Water
Analysis Batch: 87140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			05/23/13 14:45	1
Styrene	ND		1.0	0.11	ug/L			05/23/13 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			05/23/13 14:45	1
Tetrachloroethene	ND		1.0	0.29	ug/L			05/23/13 14:45	1
Toluene	ND		1.0	0.13	ug/L			05/23/13 14:45	1
Trichloroethene	ND		1.0	0.17	ug/L			05/23/13 14:45	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/23/13 14:45	1
Xylenes, Total	ND		2.0	0.28	ug/L			05/23/13 14:45	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			05/23/13 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 14:45	1
Cyclohexane	ND		1.0	0.12	ug/L			05/23/13 14:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			05/23/13 14:45	1
Ethylene Dibromide	ND		1.0	0.24	ug/L			05/23/13 14:45	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			05/23/13 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			05/23/13 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			05/23/13 14:45	1
Isopropylbenzene	ND		1.0	0.13	ug/L			05/23/13 14:45	1
Methyl acetate	ND		10	0.38	ug/L			05/23/13 14:45	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/23/13 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			05/23/13 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/23/13 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 14:45	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/23/13 14:45	1
Chlorodibromomethane	ND		1.0	0.18	ug/L			05/23/13 14:45	1
Methylcyclohexane	ND		1.0	0.13	ug/L			05/23/13 14:45	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/23/13 14:45*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*63 - 129*		*05/23/13 14:45*	*1*
4-Bromofluorobenzene (Surr)	*87*		*66 - 117*		*05/23/13 14:45*	*1*
Toluene-d8 (Surr)	*97*		*74 - 115*		*05/23/13 14:45*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*05/23/13 14:45*	*1*

Lab Sample ID: LCS 240-87140/4
Matrix: Water
Analysis Batch: 87140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.2		ug/L		86	43 - 136
Benzene	10.0	9.42		ug/L		94	83 - 112
Dichlorobromomethane	10.0	9.68		ug/L		97	72 - 121
Bromoform	10.0	9.84		ug/L		98	40 - 131
Bromomethane	10.0	7.52		ug/L		75	11 - 185

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

Lab Sample ID: LCS 240-87140/4
Matrix: Water
Analysis Batch: 87140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	20.0	17.5		ug/L		88	60 - 126
Carbon disulfide	10.0	8.54		ug/L		85	62 - 142
Carbon tetrachloride	10.0	9.57		ug/L		96	66 - 128
Chlorobenzene	10.0	9.54		ug/L		95	85 - 110
Chloroethane	10.0	6.95		ug/L		69	25 - 153
Chloroform	10.0	8.76		ug/L		88	79 - 117
Chloromethane	10.0	7.35		ug/L		74	44 - 126
1,1-Dichloroethane	10.0	8.46		ug/L		85	82 - 115
1,2-Dichloroethane	10.0	9.12		ug/L		91	71 - 127
1,1-Dichloroethene	10.0	8.96		ug/L		90	78 - 131
1,2-Dichloropropane	10.0	9.30		ug/L		93	81 - 115
cis-1,3-Dichloropropene	10.0	8.41		ug/L		84	61 - 115
trans-1,3-Dichloropropene	10.0	8.33		ug/L		83	58 - 117
Ethylbenzene	10.0	9.86		ug/L		99	83 - 112
2-Hexanone	20.0	21.3		ug/L		107	55 - 133
Methylene Chloride	10.0	7.53		ug/L		75	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.6		ug/L		98	63 - 128
Styrene	10.0	9.14		ug/L		91	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.81		ug/L		98	68 - 118
Tetrachloroethene	10.0	9.74		ug/L		97	79 - 114
Toluene	10.0	9.55		ug/L		96	84 - 111
Trichloroethene	10.0	9.90		ug/L		99	76 - 117
Vinyl chloride	10.0	7.73		ug/L		77	53 - 127
Xylenes, Total	30.0	30.1		ug/L		100	83 - 112
1,1,1-Trichloroethane	10.0	8.55		ug/L		85	74 - 118
1,1,2-Trichloroethane	10.0	9.85		ug/L		98	80 - 112
Cyclohexane	10.0	8.27		ug/L		83	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	10.1		ug/L		101	42 - 136
Ethylene Dibromide	10.0	10.1		ug/L		101	79 - 113
Dichlorodifluoromethane	10.0	7.72		ug/L		77	19 - 129
cis-1,2-Dichloroethene	10.0	8.99		ug/L		90	80 - 113
trans-1,2-Dichloroethene	10.0	8.53		ug/L		85	83 - 117
Isopropylbenzene	10.0	8.26		ug/L		83	75 - 114
Methyl acetate	10.0	8.87	J	ug/L		89	58 - 131
Methyl tert-butyl ether	10.0	8.69		ug/L		87	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.2		ug/L		112	74 - 151
1,2,4-Trichlorobenzene	10.0	9.00		ug/L		90	48 - 135
1,2-Dichlorobenzene	10.0	9.50		ug/L		95	81 - 110
1,3-Dichlorobenzene	10.0	9.65		ug/L		96	80 - 110
1,4-Dichlorobenzene	10.0	9.30		ug/L		93	82 - 110
Trichlorofluoromethane	10.0	9.91		ug/L		99	49 - 157
Chlorodibromomethane	10.0	9.00		ug/L		90	64 - 119
Methylcyclohexane	10.0	7.65		ug/L		76	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*
4-Bromofluorobenzene (Surr)	*103*		*66 - 117*

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

Lab Sample ID: LCS 240-87140/4
Matrix: Water
Analysis Batch: 87140

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*102*		*74 - 115*
Dibromofluoromethane (Surr)	*100*		*75 - 121*

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

Lab Sample ID: MB 240-86336/12-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/17/13 10:18	05/21/13 12:01	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/17/13 10:18	05/21/13 12:01	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/17/13 10:18	05/21/13 12:01	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/17/13 10:18	05/21/13 12:01	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/17/13 10:18	05/21/13 12:01	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/17/13 10:18	05/21/13 12:01	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/17/13 10:18	05/21/13 12:01	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/17/13 10:18	05/21/13 12:01	1
Acenaphthene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Acetophenone	ND		1.0	0.34	ug/L		05/17/13 10:18	05/21/13 12:01	1
Anthracene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Atrazine	ND		1.0	0.34	ug/L		05/17/13 10:18	05/21/13 12:01	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/17/13 10:18	05/21/13 12:01	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/17/13 10:18	05/21/13 12:01	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1

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

Lab Sample ID: MB 240-86336/12-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
Caprolactam	ND		5.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
Carbazole	ND		1.0	0.28	ug/L		05/17/13 10:18	05/21/13 12:01	1
Chrysene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/17/13 10:18	05/21/13 12:01	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/17/13 10:18	05/21/13 12:01	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/17/13 10:18	05/21/13 12:01	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
Fluoranthene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Fluorene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/17/13 10:18	05/21/13 12:01	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Isophorone	ND		1.0	0.27	ug/L		05/17/13 10:18	05/21/13 12:01	1
Naphthalene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/17/13 10:18	05/21/13 12:01	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/17/13 10:18	05/21/13 12:01	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/17/13 10:18	05/21/13 12:01	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/17/13 10:18	05/21/13 12:01	1
Phenol	ND		1.0	0.60	ug/L		05/17/13 10:18	05/21/13 12:01	1
Phenanthrene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
Pyrene	ND		0.20	0.10	ug/L		05/17/13 10:18	05/21/13 12:01	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/17/13 10:18	05/21/13 12:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dimethylformamide	*1.95*	*J*	*ug/L*		*4.47*	*68-12-2*	*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.268*	*T J*	*ug/L*		*5.70*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.135*	*T J*	*ug/L*		*5.92*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.402*	*T J*	*ug/L*		*7.01*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.280*	*T J*	*ug/L*		*7.69*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.250*	*T J*	*ug/L*		*8.01*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.228*	*T J*	*ug/L*		*8.46*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.111*	*T J*	*ug/L*		*8.75*		*05/17/13 10:18*	*05/21/13 12:01*	*1*
Unknown	*0.128*	*T J*	*ug/L*		*15.96*		*05/17/13 10:18*	*05/21/13 12:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*20 - 110*	*05/17/13 10:18*	*05/21/13 12:01*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 110*	*05/17/13 10:18*	*05/21/13 12:01*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*21 - 110*	*05/17/13 10:18*	*05/21/13 12:01*	*1*
Nitrobenzene-d5 (Surr)	*58*		*21 - 110*	*05/17/13 10:18*	*05/21/13 12:01*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*05/17/13 10:18*	*05/21/13 12:01*	*1*
Terphenyl-d14 (Surr)	*50*		*24 - 110*	*05/17/13 10:18*	*05/21/13 12:01*	*1*

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

Lab Sample ID: LCS 240-86336/13-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	12.5		ug/L		63	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	14.5		ug/L		73	37 - 110
2,4,5-Trichlorophenol	20.0	13.8		ug/L		69	48 - 110
2,4,6-Trichlorophenol	20.0	13.7		ug/L		68	45 - 110
2,4-Dichlorophenol	20.0	13.0		ug/L		65	41 - 110
2,4-Dimethylphenol	20.0	8.06		ug/L		40	32 - 110
2,4-Dinitrophenol	40.0	17.9		ug/L		45	10 - 110
2,4-Dinitrotoluene	20.0	15.8		ug/L		79	53 - 110
2-Chloronaphthalene	20.0	12.6		ug/L		63	43 - 110
2-Chlorophenol	20.0	13.8		ug/L		69	29 - 110
2-Methylnaphthalene	20.0	11.9		ug/L		59	45 - 110
2-Methylphenol	20.0	13.2		ug/L		66	42 - 110
2-Nitroaniline	20.0	16.1		ug/L		81	54 - 110
2-Nitrophenol	20.0	13.6		ug/L		68	40 - 110
3,3'-Dichlorobenzidine	40.0	23.5		ug/L		59	22 - 110
3-Nitroaniline	20.0	14.8		ug/L		74	53 - 110
4,6-Dinitro-2-methylphenol	40.0	26.7		ug/L		67	31 - 110
4-Bromophenyl phenyl ether	20.0	15.9		ug/L		80	45 - 110
4-Chloro-3-methylphenol	20.0	14.2		ug/L		71	52 - 110
4-Chloroaniline	20.0	12.5		ug/L		62	44 - 110
4-Chlorophenyl phenyl ether	20.0	15.2		ug/L		76	47 - 110
4-Nitroaniline	20.0	16.1		ug/L		80	54 - 110
4-Nitrophenol	40.0	35.0		ug/L		87	33 - 112
Acenaphthene	20.0	13.6		ug/L		68	47 - 110
Acenaphthylene	20.0	13.0		ug/L		65	49 - 110
Anthracene	20.0	14.4		ug/L		72	52 - 110
Benzo[a]anthracene	20.0	14.9		ug/L		75	52 - 110
Benzo[a]pyrene	20.0	14.1		ug/L		71	44 - 110
Benzo[b]fluoranthene	20.0	14.6		ug/L		73	48 - 110
Benzo[g,h,i]perylene	20.0	14.2		ug/L		71	50 - 110
Benzo[k]fluoranthene	20.0	14.6		ug/L		73	49 - 110
Bis(2-chloroethoxy)methane	20.0	13.4		ug/L		67	43 - 110
Bis(2-chloroethyl)ether	20.0	13.0		ug/L		65	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.7		ug/L		78	39 - 116
Butyl benzyl phthalate	20.0	15.9		ug/L		80	55 - 110
Caprolactam	40.0	30.8		ug/L		77	45 - 111
Carbazole	20.0	16.1		ug/L		81	55 - 110
Chrysene	20.0	14.6		ug/L		73	55 - 110
Dibenz(a,h)anthracene	20.0	14.6		ug/L		73	49 - 110
Dibenzofuran	20.0	13.9		ug/L		69	51 - 110
Diethyl phthalate	20.0	15.7		ug/L		78	58 - 110
Dimethyl phthalate	20.0	16.1		ug/L		80	57 - 110
Di-n-butyl phthalate	20.0	17.9		ug/L		90	57 - 110
Di-n-octyl phthalate	20.0	15.1		ug/L		76	40 - 110
Fluoranthene	20.0	16.5		ug/L		82	54 - 110
Fluorene	20.0	15.0		ug/L		75	52 - 110
Hexachlorobenzene	20.0	15.5		ug/L		78	50 - 110
Hexachlorobutadiene	20.0	8.88		ug/L		44	33 - 110

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

Lab Sample ID: LCS 240-86336/13-A
Matrix: Water
Analysis Batch: 86723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	20.0	ND	*	ug/L		0	10 - 110
Hexachloroethane	20.0	8.36		ug/L		42	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	14.6		ug/L		73	50 - 110
Isophorone	20.0	13.6		ug/L		68	49 - 110
Naphthalene	20.0	12.1		ug/L		60	44 - 110
N-Nitrosodi-n-propylamine	20.0	13.5		ug/L		68	47 - 110
N-Nitrosodiphenylamine	40.0	30.1		ug/L		75	50 - 110
Pentachlorophenol	40.0	23.3		ug/L		58	18 - 110
Phenol	20.0	13.9		ug/L		69	33 - 110
Phenanthrene	20.0	14.2		ug/L		71	53 - 110
Pyrene	20.0	15.7		ug/L		79	52 - 110
3 & 4 Methylphenol	20.0	13.0		ug/L		65	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*
2-Fluorophenol (Surr)	*62*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*71*		*21 - 110*
Nitrobenzene-d5 (Surr)	*62*		*21 - 110*
Phenol-d5 (Surr)	*66*		*21 - 110*
Terphenyl-d14 (Surr)	*51*		*24 - 110*

Lab Sample ID: MB 240-87232/14-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/24/13 08:29	05/26/13 14:19	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/24/13 08:29	05/26/13 14:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/24/13 08:29	05/26/13 14:19	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/24/13 08:29	05/26/13 14:19	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/24/13 08:29	05/26/13 14:19	1

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

Lab Sample ID: MB 240-87232/14-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
Acenaphthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Acetophenone	ND		1.0	0.34	ug/L		05/24/13 08:29	05/26/13 14:19	1
Anthracene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Atrazine	ND		1.0	0.34	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/24/13 08:29	05/26/13 14:19	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Caprolactam	ND		5.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Carbazole	ND		1.0	0.28	ug/L		05/24/13 08:29	05/26/13 14:19	1
Chrysene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/24/13 08:29	05/26/13 14:19	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/24/13 08:29	05/26/13 14:19	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/24/13 08:29	05/26/13 14:19	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Fluoranthene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Fluorene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Isophorone	ND		1.0	0.27	ug/L		05/24/13 08:29	05/26/13 14:19	1
Naphthalene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/24/13 08:29	05/26/13 14:19	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/24/13 08:29	05/26/13 14:19	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/24/13 08:29	05/26/13 14:19	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/24/13 08:29	05/26/13 14:19	1
Phenol	ND		1.0	0.60	ug/L		05/24/13 08:29	05/26/13 14:19	1
Phenanthrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
Pyrene	ND		0.20	0.10	ug/L		05/24/13 08:29	05/26/13 14:19	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/24/13 08:29	05/26/13 14:19	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Hexadecanoic acid	*3.13*	*T J N*	*ug/L*		*10.66*	*57-10-3*	*05/24/13 08:29*	*05/26/13 14:19*	*1*
Unknown	*1.69*	*T J*	*ug/L*		*11.27*		*05/24/13 08:29*	*05/26/13 14:19*	*1*
Octadecanoic acid	*1.98*	*T J N*	*ug/L*		*11.33*	*57-11-4*	*05/24/13 08:29*	*05/26/13 14:19*	*1*

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

Lab Sample ID: MB 240-87232/14-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87232

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		20 - 110	05/24/13 08:29	05/26/13 14:19	1
2-Fluorophenol (Surr)	55		10 - 110	05/24/13 08:29	05/26/13 14:19	1
2,4,6-Tribromophenol (Surr)	81		21 - 110	05/24/13 08:29	05/26/13 14:19	1
Nitrobenzene-d5 (Surr)	72		21 - 110	05/24/13 08:29	05/26/13 14:19	1
Phenol-d5 (Surr)	38		21 - 110	05/24/13 08:29	05/26/13 14:19	1
Terphenyl-d14 (Surr)	78		24 - 110	05/24/13 08:29	05/26/13 14:19	1

Lab Sample ID: LCS 240-87232/15-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	14.0		ug/L		70	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	15.3		ug/L		77	37 - 110
2,4,5-Trichlorophenol	20.0	15.3		ug/L		76	48 - 110
2,4,6-Trichlorophenol	20.0	15.3		ug/L		77	45 - 110
2,4-Dichlorophenol	20.0	15.7		ug/L		78	41 - 110
2,4-Dimethylphenol	20.0	14.5		ug/L		73	32 - 110
2,4-Dinitrophenol	40.0	29.8		ug/L		75	10 - 110
2,4-Dinitrotoluene	20.0	15.3		ug/L		76	53 - 110
2-Chloronaphthalene	20.0	13.7		ug/L		69	43 - 110
2-Chlorophenol	20.0	15.6		ug/L		78	29 - 110
2-Methylnaphthalene	20.0	14.2		ug/L		71	45 - 110
2-Methylphenol	20.0	14.1		ug/L		71	42 - 110
2-Nitroaniline	20.0	16.4		ug/L		82	54 - 110
2-Nitrophenol	20.0	15.2		ug/L		76	40 - 110
3,3'-Dichlorobenzidine	40.0	26.4		ug/L		66	22 - 110
3-Nitroaniline	20.0	15.2		ug/L		76	53 - 110
4,6-Dinitro-2-methylphenol	40.0	33.4		ug/L		83	31 - 110
4-Bromophenyl phenyl ether	20.0	16.6		ug/L		83	45 - 110
4-Chloro-3-methylphenol	20.0	15.7		ug/L		79	52 - 110
4-Chloroaniline	20.0	10.9		ug/L		55	44 - 110
4-Chlorophenyl phenyl ether	20.0	16.0		ug/L		80	47 - 110
4-Nitroaniline	20.0	16.1		ug/L		80	54 - 110
4-Nitrophenol	40.0	18.1		ug/L		45	33 - 112
Acenaphthene	20.0	14.6		ug/L		73	47 - 110
Acenaphthylene	20.0	14.1		ug/L		71	49 - 110
Anthracene	20.0	14.9		ug/L		75	52 - 110
Benzo[a]anthracene	20.0	14.8		ug/L		74	52 - 110
Benzo[a]pyrene	20.0	15.3		ug/L		77	44 - 110
Benzo[b]fluoranthene	20.0	14.7		ug/L		73	48 - 110
Benzo[g,h,i]perylene	20.0	16.1		ug/L		80	50 - 110
Benzo[k]fluoranthene	20.0	15.5		ug/L		77	49 - 110
Bis(2-chloroethoxy)methane	20.0	15.7		ug/L		78	43 - 110
Bis(2-chloroethyl)ether	20.0	15.2		ug/L		76	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.1		ug/L		76	39 - 116
Butyl benzyl phthalate	20.0	15.5		ug/L		77	55 - 110
Caprolactam	40.0	6.81	*	ug/L		17	45 - 111

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

Lab Sample ID: LCS 240-87232/15-A
Matrix: Water
Analysis Batch: 87388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	20.0	16.8		ug/L		84	55 - 110
Chrysene	20.0	15.1		ug/L		76	55 - 110
Dibenz(a,h)anthracene	20.0	15.9		ug/L		79	49 - 110
Dibenzofuran	20.0	15.2		ug/L		76	51 - 110
Diethyl phthalate	20.0	15.0		ug/L		75	58 - 110
Dimethyl phthalate	20.0	16.4		ug/L		82	57 - 110
Di-n-butyl phthalate	20.0	16.2		ug/L		81	57 - 110
Di-n-octyl phthalate	20.0	14.7		ug/L		73	40 - 110
Fluoranthene	20.0	15.8		ug/L		79	54 - 110
Fluorene	20.0	15.5		ug/L		78	52 - 110
Hexachlorobenzene	20.0	15.8		ug/L		79	50 - 110
Hexachlorobutadiene	20.0	12.4		ug/L		62	33 - 110
Hexachlorocyclopentadiene	20.0	10.6		ug/L		53	10 - 110
Hexachloroethane	20.0	12.8		ug/L		64	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	16.2		ug/L		81	50 - 110
Isophorone	20.0	15.3		ug/L		77	49 - 110
Naphthalene	20.0	13.8		ug/L		69	44 - 110
N-Nitrosodi-n-propylamine	20.0	16.3		ug/L		81	47 - 110
N-Nitrosodiphenylamine	40.0	31.4		ug/L		79	50 - 110
Pentachlorophenol	40.0	30.1		ug/L		75	18 - 110
Phenol	20.0	8.76		ug/L		44	33 - 110
Phenanthrene	20.0	14.9		ug/L		74	53 - 110
Pyrene	20.0	15.6		ug/L		78	52 - 110
3 & 4 Methylphenol	20.0	13.8		ug/L		69	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*20 - 110*
2-Fluorophenol (Surr)	*58*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*76*		*21 - 110*
Nitrobenzene-d5 (Surr)	*75*		*21 - 110*
Phenol-d5 (Surr)	*42*		*21 - 110*
Terphenyl-d14 (Surr)	*76*		*24 - 110*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-85795/1-A
Matrix: Water
Analysis Batch: 86094

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/14/13 09:04	05/15/13 17:15	1
Antimony	0.158	J	2.0	0.11	ug/L		05/14/13 09:04	05/15/13 17:15	1
Arsenic	0.0670	J	3.0	0.063	ug/L		05/14/13 09:04	05/15/13 17:15	1
Barium	0.604	J	1.0	0.32	ug/L		05/14/13 09:04	05/15/13 17:15	1
Calcium	242	J	1000	27	ug/L		05/14/13 09:04	05/15/13 17:15	1
Cadmium	ND		1.0	0.026	ug/L		05/14/13 09:04	05/15/13 17:15	1
Cobalt	ND		1.0	0.020	ug/L		05/14/13 09:04	05/15/13 17:15	1
Chromium	ND		2.0	0.13	ug/L		05/14/13 09:04	05/15/13 17:15	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-85795/1-A
Matrix: Water
Analysis Batch: 86094

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.577	J	2.0	0.24	ug/L		05/14/13 09:04	05/15/13 17:15	1
Iron	ND		100	12	ug/L		05/14/13 09:04	05/15/13 17:15	1
Magnesium	41.3	J	1000	15	ug/L		05/14/13 09:04	05/15/13 17:15	1
Manganese	ND		5.0	0.41	ug/L		05/14/13 09:04	05/15/13 17:15	1
Nickel	ND		2.0	0.088	ug/L		05/14/13 09:04	05/15/13 17:15	1
Lead	ND		1.0	0.14	ug/L		05/14/13 09:04	05/15/13 17:15	1
Selenium	ND		5.0	0.34	ug/L		05/14/13 09:04	05/15/13 17:15	1
Thallium	ND		1.0	0.40	ug/L		05/14/13 09:04	05/15/13 17:15	1
Zinc	17.6	J	20	2.1	ug/L		05/14/13 09:04	05/15/13 17:15	1
Silver	ND		1.0	0.0083	ug/L		05/14/13 09:04	05/15/13 17:15	1
Sodium	29.3	J	1000	4.2	ug/L		05/14/13 09:04	05/15/13 17:15	1

Lab Sample ID: MB 240-85795/1-A
Matrix: Water
Analysis Batch: 86286

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		1.0	0.031	ug/L		05/14/13 09:04	05/16/13 09:15	1
Potassium	ND		1000	5.1	ug/L		05/14/13 09:04	05/16/13 09:15	1

Lab Sample ID: LCS 240-85795/3-A
Matrix: Water
Analysis Batch: 86094

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9990		ug/L		100	80 - 120
Antimony	100	93.7		ug/L		94	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Barium	1000	976		ug/L		98	80 - 120
Calcium	10000	10700		ug/L		107	80 - 120
Cadmium	1000	1000		ug/L		100	80 - 120
Cobalt	1000	994		ug/L		99	80 - 120
Chromium	1000	976		ug/L		98	80 - 120
Copper	1000	1030		ug/L		103	80 - 120
Iron	10000	9960		ug/L		100	80 - 120
Magnesium	10000	9990		ug/L		100	80 - 120
Manganese	1000	960		ug/L		96	80 - 120
Nickel	1000	1010		ug/L		101	80 - 120
Lead	1000	941		ug/L		94	80 - 120
Selenium	1000	1040		ug/L		104	80 - 120
Thallium	250	235		ug/L		94	80 - 120
Zinc	1000	1050		ug/L		105	80 - 120
Silver	100	104		ug/L		104	80 - 120
Sodium	10000	10200		ug/L		102	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-85795/3-A
Matrix: Water
Analysis Batch: 86286

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	1000	908		ug/L		91	80 - 120
Potassium	10000	9740		ug/L		97	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-85943/1-A
Matrix: Water
Analysis Batch: 86244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/15/13 15:35	05/16/13 11:17	1

Lab Sample ID: LCS 240-85943/2-A
Matrix: Water
Analysis Batch: 86244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.18		ug/L		104	81 - 123

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-86393/3
Matrix: Water
Analysis Batch: 86393

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0	0.12	mg/L			05/17/13 15:05	1

Lab Sample ID: LCS 240-86393/4
Matrix: Water
Analysis Batch: 86393

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	46.8		mg/L		94	90 - 110

Lab Sample ID: MB 240-86431/3
Matrix: Water
Analysis Batch: 86431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/18/13 02:30	1
Sulfate	ND		1.0	0.12	mg/L			05/18/13 02:30	1

Lab Sample ID: LCS 240-86431/4
Matrix: Water
Analysis Batch: 86431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.5		mg/L		97	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-86431/4
Matrix: Water
Analysis Batch: 86431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	47.4		mg/L		95	90 - 110

Lab Sample ID: MB 240-86569/3
Matrix: Water
Analysis Batch: 86569

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/20/13 14:33	1

Lab Sample ID: LCS 240-86569/4
Matrix: Water
Analysis Batch: 86569

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.9		mg/L		96	90 - 110

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-86219/7
Matrix: Water
Analysis Batch: 86219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.20	0.035	mg/L			05/16/13 09:26	1

Lab Sample ID: LCS 240-86219/8
Matrix: Water
Analysis Batch: 86219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	6.86	6.32		mg/L		92	85 - 114

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 180-72545/50
Matrix: Water
Analysis Batch: 72545

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/21/13 13:18	1

Lab Sample ID: LCS 180-72545/49
Matrix: Water
Analysis Batch: 72545

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	4.00	4.26		mg/L		107	90 - 110

Method: 376.1 - Sulfide

Lab Sample ID: MB 240-85997/1
Matrix: Water
Analysis Batch: 85997

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			05/15/13 10:42	1

Lab Sample ID: LCS 240-85997/2
Matrix: Water
Analysis Batch: 85997

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	17.1	17.1		mg/L		100	79 - 110

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-85999/1-A
Matrix: Water
Analysis Batch: 86049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/15/13 10:46	05/15/13 13:01	1

Lab Sample ID: LCS 240-85999/2-A
Matrix: Water
Analysis Batch: 86049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0506		mg/L		97	69 - 118

Method: SM 3500 FE D - Iron, Ferrous

Lab Sample ID: MB 240-85797/3
Matrix: Water
Analysis Batch: 85797

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.050	0.018	mg/L			05/14/13 09:10	1

Lab Sample ID: LCS 240-85797/4
Matrix: Water
Analysis Batch: 85797

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	1.00	1.04		mg/L		104	86 - 117

Lab Sample ID: 240-24325-1 MS
Matrix: Water
Analysis Batch: 85797

Client Sample ID: MW-17 NEW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.043	J HF	1.00	1.08		mg/L		104	10 - 163

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Method: SM 3500 FE D - Iron, Ferrous (Continued)

Lab Sample ID: 240-24325-1 MSD
Matrix: Water
Analysis Batch: 85797

Client Sample ID: MW-17 NEW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ferrous Iron	0.043	J HF	1.00	1.11		mg/L		106	10 - 163	3	25

GC/MS VOA

Analysis Batch: 87002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-3	TRIP BLANK 8(TB8)	Total/NA	Water	8260B	
LCS 240-87002/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-87002/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 87140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	8260B	
240-24325-2	MW-16 NEW	Total/NA	Water	8260B	
LCS 240-87140/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-87140/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 86336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	3520C	
240-24325-2	MW-16 NEW	Total/NA	Water	3520C	
LCS 240-86336/13-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-86336/12-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 86723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	8270C	86336
240-24325-2	MW-16 NEW	Total/NA	Water	8270C	86336
LCS 240-86336/13-A	Lab Control Sample	Total/NA	Water	8270C	86336
MB 240-86336/12-A	Method Blank	Total/NA	Water	8270C	86336

Prep Batch: 87232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1 - RE	MW-17 NEW	Total/NA	Water	3520C	
240-24325-2 - RE	MW-16 NEW	Total/NA	Water	3520C	
LCS 240-87232/15-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-87232/14-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 87388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1 - RE	MW-17 NEW	Total/NA	Water	8270C	87232
240-24325-2 - RE	MW-16 NEW	Total/NA	Water	8270C	87232
LCS 240-87232/15-A	Lab Control Sample	Total/NA	Water	8270C	87232
MB 240-87232/14-A	Method Blank	Total/NA	Water	8270C	87232

Metals

Prep Batch: 85795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total Recoverable	Water	3005A	
240-24325-2	MW-16 NEW	Total Recoverable	Water	3005A	
LCS 240-85795/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-85795/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 85943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	7470A	
240-24325-2	MW-16 NEW	Total/NA	Water	7470A	
LCS 240-85943/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-85943/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 86094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total Recoverable	Water	6020	85795
240-24325-2	MW-16 NEW	Total Recoverable	Water	6020	85795
LCS 240-85795/3-A	Lab Control Sample	Total Recoverable	Water	6020	85795
MB 240-85795/1-A	Method Blank	Total Recoverable	Water	6020	85795

Analysis Batch: 86244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	7470A	85943
240-24325-2	MW-16 NEW	Total/NA	Water	7470A	85943
LCS 240-85943/2-A	Lab Control Sample	Total/NA	Water	7470A	85943
MB 240-85943/1-A	Method Blank	Total/NA	Water	7470A	85943

Analysis Batch: 86286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total Recoverable	Water	6020	85795
240-24325-2	MW-16 NEW	Total Recoverable	Water	6020	85795
LCS 240-85795/3-A	Lab Control Sample	Total Recoverable	Water	6020	85795
MB 240-85795/1-A	Method Blank	Total Recoverable	Water	6020	85795

General Chemistry

Analysis Batch: 72545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	353.2	
240-24325-2	MW-16 NEW	Total/NA	Water	353.2	
LCS 180-72545/49	Lab Control Sample	Total/NA	Water	353.2	
MB 180-72545/50	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 85797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	SM 3500 FE D	
240-24325-1 MS	MW-17 NEW	Total/NA	Water	SM 3500 FE D	
240-24325-1 MSD	MW-17 NEW	Total/NA	Water	SM 3500 FE D	
240-24325-2	MW-16 NEW	Total/NA	Water	SM 3500 FE D	
LCS 240-85797/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MB 240-85797/3	Method Blank	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 85997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	376.1	
240-24325-2	MW-16 NEW	Total/NA	Water	376.1	
LCS 240-85997/2	Lab Control Sample	Total/NA	Water	376.1	
MB 240-85997/1	Method Blank	Total/NA	Water	376.1	

General Chemistry (Continued)

Prep Batch: 85999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	9012A	
240-24325-2	MW-16 NEW	Total/NA	Water	9012A	
LCS 240-85999/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-85999/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 86049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	9012A	85999
240-24325-2	MW-16 NEW	Total/NA	Water	9012A	85999
LCS 240-85999/2-A	Lab Control Sample	Total/NA	Water	9012A	85999
MB 240-85999/1-A	Method Blank	Total/NA	Water	9012A	85999

Analysis Batch: 86219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	350.3	
240-24325-2	MW-16 NEW	Total/NA	Water	350.3	
LCS 240-86219/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-86219/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 86393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	300.0	
LCS 240-86393/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86393/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 86431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-2	MW-16 NEW	Total/NA	Water	300.0	
LCS 240-86431/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86431/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 86569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24325-1	MW-17 NEW	Total/NA	Water	300.0	
LCS 240-86569/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86569/3	Method Blank	Total/NA	Water	300.0	

Client Sample ID: MW-17 NEW

Lab Sample ID: 240-24325-1

Date Collected: 05/13/13 13:45

Matrix: Water

Date Received: 05/13/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87140	05/23/13 16:35	LW	TAL CAN
Total/NA	Prep	3520C			86336	05/17/13 10:18	BM	TAL CAN
Total/NA	Analysis	8270C		1	86723	05/21/13 13:47	JG	TAL CAN
Total/NA	Prep	3520C	RE		87232	05/24/13 08:29	SE	TAL CAN
Total/NA	Analysis	8270C	RE	1	87388	05/26/13 22:52	MU	TAL CAN
Total Recoverable	Prep	3005A			85795	05/14/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86094	05/15/13 18:30	KC	TAL CAN
Total/NA	Prep	7470A			85943	05/15/13 15:35	AS	TAL CAN
Total/NA	Analysis	7470A		1	86244	05/16/13 11:51	AS	TAL CAN
Total Recoverable	Prep	3005A			85795	05/14/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86286	05/16/13 09:30	KC	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 13:33	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85797	05/14/13 09:12	LG	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 12:28	JB	TAL CAN
Total/NA	Prep	9012A			85999	05/15/13 10:46	VP	TAL CAN
Total/NA	Analysis	9012A		1	86049	05/15/13 13:01	VP	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 13:35	JK	TAL CAN
Total/NA	Analysis	300.0		1	86393	05/17/13 23:29	AM	TAL CAN
Total/NA	Analysis	300.0		1	86569	05/20/13 22:57	AM	TAL CAN

Client Sample ID: MW-16 NEW

Lab Sample ID: 240-24325-2

Date Collected: 05/13/13 14:35

Matrix: Water

Date Received: 05/13/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87140	05/23/13 16:58	LW	TAL CAN
Total/NA	Prep	3520C			86336	05/17/13 10:18	BM	TAL CAN
Total/NA	Analysis	8270C		1	86723	05/21/13 14:14	JG	TAL CAN
Total/NA	Prep	3520C	RE		87232	05/24/13 08:29	SE	TAL CAN
Total/NA	Analysis	8270C	RE	1	87388	05/26/13 23:17	MU	TAL CAN
Total Recoverable	Prep	3005A			85795	05/14/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86094	05/15/13 18:45	KC	TAL CAN
Total/NA	Prep	7470A			85943	05/15/13 15:35	AS	TAL CAN
Total/NA	Analysis	7470A		1	86244	05/16/13 11:58	AS	TAL CAN
Total Recoverable	Prep	3005A			85795	05/14/13 09:04	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86286	05/16/13 09:38	KC	TAL CAN
Total/NA	Analysis	353.2		1	72545	05/21/13 13:35	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	85797	05/14/13 09:15	LG	TAL CAN
Total/NA	Analysis	376.1		1	85997	05/15/13 12:35	JB	TAL CAN
Total/NA	Prep	9012A			85999	05/15/13 10:46	VP	TAL CAN
Total/NA	Analysis	9012A		1	86049	05/15/13 13:01	VP	TAL CAN
Total/NA	Analysis	350.3		1	86219	05/16/13 13:35	JK	TAL CAN

Client Sample ID: MW-16 NEW

Lab Sample ID: 240-24325-2

Date Collected: 05/13/13 14:35

Matrix: Water

Date Received: 05/13/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	86431	05/18/13 03:11	AM	TAL CAN

Client Sample ID: TRIP BLANK 8(TB8)

Lab Sample ID: 240-24325-3

Date Collected: 05/13/13 00:00

Matrix: Water

Date Received: 05/13/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87002	05/23/13 07:55	LW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: EarthCon Consultants Inc
Project/Site: IEL-UNIONTOWN

TestAmerica Job ID: 240-24325-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
EarthCon	JD Haines	05-13-2013	014378
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
	216-314-0770		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
	Anka Wienrek	Nathan Pietras	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL - Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-17 NEW	5/13/13	1345		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-16 NEW	5/13/13	1435		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 8 (TB 8)	5/13/13			X						2			X									

Special Instructions/ Conditions of Receipt

240-24325 Chain of Custody

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-13-13	345	1. Received By	5/13/13	3:45
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: Cooler: MW-17 / MW-16 / Trip Blank (TB) 8

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative Login # : 24325
Canton Facility

Client Earth Con Site Name _____ Cooler unpacked by:

Cooler Received on 5/13/13 Opened on 5/13/13

FedEx: 1st Grd Exp UPS FAS Stetson ~~Client Drop Off~~ TestAmerica Courier Other _____

TestAmerica Cooler # 570-50-65 Foam Box Client Cooler Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF –0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

~~IR GUN# 4G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C~~ ☐ See Multiple Cooler Form

IR GUN# 5G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 8 (CF +1 °C) Observed Cooler Temp. 9.2 °C Corrected Cooler Temp. 10.2 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Did all bottles arrive in good condition (Unbroken)?	Yes	No
7. Could all bottle labels be reconciled with the COC?	Yes	No
8. Were correct bottle(s) used for the test(s) indicated?	Yes	No
9. Sufficient quantity received to perform indicated analyses?	Yes	No
10. Were sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC379740
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

High temp ok samples straigh from field

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-17 NEW	240-24325-D-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-17 NEW	240-24325-E-1	Plastic 250ml - with Sodium	>12		
MW-17 NEW	240-24325-G-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-17 NEW	240-24325-H-1	Plastic 500ml - with Zn Acetate and	>9		
MW-17 NEW	240-24325-I-1	Plastic 500ml - with Nitric Acid	<2		
MW-16 NEW	240-24325-D-2	Plastic 250ml - with Sulfuric Acid	<2		
MW-16 NEW	240-24325-E-2	Plastic 250ml - with Sodium	>12		
MW-16 NEW	240-24325-G-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-16 NEW	240-24325-H-2	Plastic 500ml - with Zn Acetate and	>9		
MW-16 NEW	240-24325-I-2	Plastic 500ml - with Nitric Acid	<2		

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24325-1

Login Number: 24325
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/14/13 12:12 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-24386-1
Client Project/Site: IEL UNIONTOWN

For:
EarthCon Consultants Inc
129 Monohon Landing Road
Raymond, Washington 98577

Attn: Kathy Gunderson

Authorized for release by:
5/30/2013 9:30:17 AM

Nathan Pietras, Project Manager II
nathan.pietras@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
E	Result exceeded calibration range.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-24386-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: EarthCon Consultants Inc

Project: IEL UNIONTOWN

Report Number: 240-24386-1

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

The 353.2 Nitrate Nitrite as N analysis was performed at the TestAmerica Pittsburgh Laboratory. The 8260B VOC analysis was performed at the TestAmerica Denver Laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/15/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2, 1.4, 1.6, 2.0, 2.2, 2.4, 2.6, 3.4 and 3.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), TRIP BLANK 9 (240-24386-3), MW-7i (240-24386-4), MW-03i (240-24386-5), TRIP BLANK 11 (240-24386-6), MW-01i (240-24386-7), MW-01s (240-24386-8), TRIP BLANK 13 (240-24386-9), EQUIPMENT BLANK 2 (240-24386-10), TRIP BLANK 12 (240-24386-11), MW-11s (240-24386-12), MW-11i (240-24386-13), TRIP BLANK 14 (240-24386-14), MW-21s (240-24386-15), MW-29 (240-24386-16), TRIP BLANK 15 (240-24386-17), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19), TRIP BLANK 16 (240-24386-20), TRIP BLANK 17 (240-24386-21), EQUIPMENT BLANK 3 (240-24386-22) and TRIP BLANK 18 (240-24386-23) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/23/2013 and 05/24/2013.

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for FIELD DUPLICATE #3 (240-24386-18).

Job ID: 240-24386-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits in batch 175786: FIELD DUPLICATE #3 (240-24386-18). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported. Surrogates were outside limits high for 4-Bromofluorobenzene; 1,2-Dichloroethane-d4; Dibromofluoromethane; and Toluene-d8.

Method(s) 8260B: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: EQUIPMENT BLANK 3 (240-24386-22). The reporting limits (RLs) have been adjusted proportionately. In batch 175786, sample 240-24386-22 could not be analyzed lesser than a 4x dilution without contaminating the instrument with the foamy matrix.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/20/2013 and analyzed on 05/22/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the SVOCs analyses.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 05/16/2013 and analyzed on 05/17/2013.

Zinc was detected in method blank MB 240-86111/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Several analytes were detected in method blank MB 240-86111/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Sample MW-11s (240-24386-12)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 6020: The reporting limit (RL) provided for As, Ba, and Tl falls below the laboratory's verified standard quantitation limit: EQUIPMENT BLANK 2 (240-24386-10), FIELD DUPLICATE #3 (240-24386-18), MW-01i (240-24386-7), MW-01s (240-24386-8), MW-03i (240-24386-5), MW-11i (240-24386-13), MW-11s (240-24386-12), MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-21s (240-24386-15), MW-29 (240-24386-16), MW-31 (240-24386-19), MW-7i (240-24386-4). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client’s discretion. The continuing calibration blanks and method blanks may not support the lower RL.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7),

Job ID: 240-24386-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 05/16/2013 and analyzed on 05/20/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 05/22/2013.

Samples MW-13i NEW (240-24386-1)[5X], MW-14i NEW (240-24386-2)[5X], MW-7i (240-24386-4)[5X], MW-03i (240-24386-5)[5X], MW-01i (240-24386-7)[5X], MW-11s (240-24386-12)[5X], MW-11i (240-24386-13)[5X], MW-21s (240-24386-15)[5X], MW-29 (240-24386-16)[5X] and FIELD DUPLICATE #3 (240-24386-18)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 05/17/2013 and 05/20/2013.

Samples MW-13i NEW (240-24386-1)[2X], MW-01i (240-24386-7)[2X], MW-21s (240-24386-15)[5X] and FIELD DUPLICATE #3 (240-24386-18)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

FERROUS IRON

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for ferrous iron in accordance with SM 3500 F+2 D. The samples were analyzed on 05/15/2013.

Samples MW-01s (240-24386-8)[5X], MW-11i (240-24386-13)[5X], MW-21s (240-24386-15)[5X], MW-29 (240-24386-16)[5X] and FIELD DUPLICATE #3 (240-24386-18)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the ferrous iron analyses.

All other quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on

Job ID: 240-24386-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

05/28/2013.

No difficulties were encountered during the nitrate-nitrite analyses.

All quality control parameters were within the acceptance limits.

SULFIDE

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 05/16/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-13i NEW (240-24386-1), MW-14i NEW (240-24386-2), MW-7i (240-24386-4), MW-03i (240-24386-5), MW-01i (240-24386-7), MW-01s (240-24386-8), EQUIPMENT BLANK 2 (240-24386-10), MW-11s (240-24386-12), MW-11i (240-24386-13), MW-21s (240-24386-15), MW-29 (240-24386-16), FIELD DUPLICATE #3 (240-24386-18), MW-31 (240-24386-19) and EQUIPMENT BLANK 3 (240-24386-22) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 05/17/2013, 05/21/2013, 05/22/2013 and 05/23/2013.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.3	Nitrogen, Ammonia	MCAWW	TAL CAN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL PIT
376.1	Sulfide	MCAWW	TAL CAN
9012A	Cyanide, Total and/or Amenable	SW846	TAL CAN
SM 3500 FE D	Iron, Ferrous	SM	TAL CAN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-24386-1	MW-13i NEW	Water	05/14/13 07:45	05/15/13 09:40
240-24386-2	MW-14i NEW	Water	05/14/13 08:41	05/15/13 09:40
240-24386-3	TRIP BLANK 9	Water	05/14/13 00:00	05/15/13 09:40
240-24386-4	MW-7i	Water	05/14/13 10:01	05/15/13 09:40
240-24386-5	MW-03i	Water	05/14/13 10:30	05/15/13 09:40
240-24386-6	TRIP BLANK 11	Water	05/14/13 00:00	05/15/13 09:40
240-24386-7	MW-01i	Water	05/14/13 11:40	05/15/13 09:40
240-24386-8	MW-01s	Water	05/14/13 14:15	05/15/13 09:40
240-24386-9	TRIP BLANK 13	Water	05/14/13 00:00	05/15/13 09:40
240-24386-10	EQUIPMENT BLANK 2	Water	05/14/13 09:10	05/15/13 09:40
240-24386-11	TRIP BLANK 12	Water	05/14/13 00:00	05/15/13 09:40
240-24386-12	MW-11s	Water	05/14/13 15:35	05/15/13 09:40
240-24386-13	MW-11i	Water	05/14/13 16:00	05/15/13 09:40
240-24386-14	TRIP BLANK 14	Water	05/14/13 00:00	05/15/13 09:40
240-24386-15	MW-21s	Water	05/14/13 17:02	05/15/13 09:40
240-24386-16	MW-29	Water	05/14/13 17:47	05/15/13 09:40
240-24386-17	TRIP BLANK 15	Water	05/14/13 00:00	05/15/13 09:40
240-24386-18	FIELD DUPLICATE #3	Water	05/14/13 00:00	05/15/13 09:40
240-24386-19	MW-31	Water	05/14/13 18:51	05/15/13 09:40
240-24386-20	TRIP BLANK 16	Water	05/14/13 00:00	05/15/13 09:40
240-24386-21	TRIP BLANK 17	Water	05/14/13 00:00	05/15/13 09:40
240-24386-22	EQUIPMENT BLANK 3	Water	05/14/13 19:20	05/15/13 09:40
240-24386-23	TRIP BLANK 18	Water	05/14/13 00:00	05/15/13 09:40

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-13i NEW — Lab Sample ID: 240-24386-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1500		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.48	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	5.9	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	630	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.32	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	130000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.23	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	2.8		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	19		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	9.3	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	8700	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	39000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	11000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	110	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	36	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	5.6		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.66	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	120	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.080	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	150000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	210		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	20		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	9.3		0.40	0.070	mg/L	2		350.3	Total/NA
Ferrous Iron	0.60	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-14i NEW — Lab Sample ID: 240-24386-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	13000		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.45	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	7.1	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	340	B	1.0	0.32	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-14i NEW (Continued) — Lab Sample ID: 240-24386-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.81	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	130000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.067	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	7.8		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	22		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	22	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	22000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	35000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	6800	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	330	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	34	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	10		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	1.5	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	62	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.046	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	120000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	190		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	54		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.98		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	0.20	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 9 — Lab Sample ID: 240-24386-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.23	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-7i — Lab Sample ID: 240-24386-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	18	J	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.27	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	0.53	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	780	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.12	J	1.0	0.031	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-7i (Continued) — Lab Sample ID: 240-24386-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	0.48	J	1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	1.9	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	4.2	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	6600	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	29000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	3500	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	200	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	10	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.38	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	2.3	J B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.014	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	78000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	93		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	37		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	3.3		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	0.043	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-03i — Lab Sample ID: 240-24386-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9.2	J	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.21	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	3.5	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	460	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.082	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	0.18	J	1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	0.60	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	0.61	J B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	2900	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	29000	B	1000	15	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-03i (Continued) — Lab Sample ID: 240-24386-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	4100	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	140	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	4.9	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.36	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	3.7	J B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.010	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	64000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	97		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	54		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	1.9		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	0.082	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 11 — Lab Sample ID: 240-24386-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.24	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-01i — Lab Sample ID: 240-24386-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.5		1.0	0.10	ug/L	1		8260B	Total/NA
Aluminum	11	J	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.52	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	2.8	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	780	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.094	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	140000	B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	1.1		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	5.1		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	11	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	18000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	41000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	8300	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	210	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	34	B	2.0	0.088	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-01i (Continued)

Lab Sample ID: 240-24386-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.74	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	10	J B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.014	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	170000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	260		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	27		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	8.0		0.40	0.070	mg/L	2		350.3	Total/NA
Ferrous Iron	0.58	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-01s

Lab Sample ID: 240-24386-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.98	J	1.0	0.17	ug/L	1		8260B	Total/NA
Toluene	0.17	J	1.0	0.17	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.96	J	1.9	0.76	ug/L	1		8270C	Total/NA
Caprolactam	58		4.8	0.76	ug/L	1		8270C	Total/NA
3 & 4 Methylphenol	1.7	J	1.9	0.71	ug/L	1		8270C	Total/NA
Aluminum	430		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	1.9	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	8.6	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	360	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.11	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	160000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	1.8		1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	6.2		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	26		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	40	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	14000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	27000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	2800	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1600	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	23	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	2.2		1.0	0.14	ug/L	1		6020	Total Recoverable
Thallium	0.59	J	1.0	0.40	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-01s (Continued) — Lab Sample ID: 240-24386-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	67	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.032	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	4400	B	1000	4.2	ug/L	1		6020	Total Recoverable
Mercury	0.14	J	0.20	0.12	ug/L	1		7470A	Total/NA
Chloride	3.9		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	10		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	1.8		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	1.4	HF	0.25	0.090	mg/L	5		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 13 — Lab Sample ID: 240-24386-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.21	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EQUIPMENT BLANK 2 — Lab Sample ID: 240-24386-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	1.9	ug/L	1		8260B	Total/NA
Toluene	0.67	J	1.0	0.17	ug/L	1		8260B	Total/NA
Benzaldehyde	0.69	J	0.95	0.37	ug/L	1		8270C	Total/NA
Antimony	0.23	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	0.093	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Beryllium	0.056	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Copper	0.42	J B	2.0	0.24	ug/L	1		6020	Total Recoverable
Potassium	12	J B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	1.3	J B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	0.11	J B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.15	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	4.1	J B	20	2.1	ug/L	1		6020	Total Recoverable
Sodium	47	J B	1000	4.2	ug/L	1		6020	Total Recoverable
Ammonia (as N)	0.056	J	0.20	0.035	mg/L	1		350.3	Total/NA

Client Sample ID: TRIP BLANK 12 — Lab Sample ID: 240-24386-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.18	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-11s — Lab Sample ID: 240-24386-12

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11s (Continued)

Lab Sample ID: 240-24386-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1500		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	1.7	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	67	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	380	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.36	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	210000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.75	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	210		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	4300		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	190	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	290000	B	200	24	ug/L	2		6020	Total Recoverable
Magnesium	38000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	3200	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	12000	B	10	0.82	ug/L	2		6020	Total Recoverable
Nickel	1300	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	17		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	1.9	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Thallium	0.97	J	1.0	0.40	ug/L	1		6020	Total Recoverable
Zinc	120	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.094	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	32000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	60		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	160		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.052	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.37		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.023	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-11i

Lab Sample ID: 240-24386-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	7.8		2.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.89	J	1.0	0.15	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.5		1.0	0.22	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.71	J	1.0	0.13	ug/L	1		8260B	Total/NA
Vinyl chloride	2.9		1.0	0.10	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11i (Continued) — Lab Sample ID: 240-24386-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	25	J	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.21	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	2.9	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	200	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.058	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	130000	B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	0.26	J	1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	1.5	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	0.69	J B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	5800	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	44000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	10000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	75	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	35	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.27	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	6.3	J B	20	2.1	ug/L	1		6020	Total Recoverable
Sodium	110000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	190		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	71		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	3.2		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	1.0	HF	0.25	0.090	mg/L	5		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 14 — Lab Sample ID: 240-24386-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.22	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-21s — Lab Sample ID: 240-24386-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.16	ug/L	1		8260B	Total/NA
Chloroethane	17		2.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.15	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.0		1.0	0.22	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	6.3		1.0	0.13	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.25	J	5.0	0.25	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.28	J	1.0	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.61	J	1.0	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-21s (Continued)

Lab Sample ID: 240-24386-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.2		1.0	0.10	ug/L	1		8260B	Total/NA
Aluminum	120		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.27	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	4.7	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	270	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.086	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	120000	B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	2.2		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	1.7	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	12	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	8200	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	60000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	25000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	560	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	58	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.74	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	7.1	J B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.0090	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	120000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	160		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	33		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	12		1.0	0.18	mg/L	5		350.3	Total/NA
Nitrate Nitrite as N	0.034	J	0.10	0.014	mg/L	1		353.2	Total/NA
Sulfide	1.2		1.0	0.67	mg/L	1		376.1	Total/NA
Ferrous Iron	2.6	HF	0.25	0.090	mg/L	5		SM 3500 FE D	Total/NA

Client Sample ID: MW-29

Lab Sample ID: 240-24386-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	18		8.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	64		4.0	0.60	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	26		4.0	0.88	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	19		4.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.5	J	4.0	0.92	ug/L	1		8260B	Total/NA
Vinyl chloride	2.6	J	4.0	0.40	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.96	J	1.9	0.76	ug/L	1		8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-29 (Continued) — Lab Sample ID: 240-24386-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	12000		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	1.0	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	15	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	190	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.76	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	160000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.32	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	16		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	350		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	81	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	35000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	52000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	13000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	600	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	260	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	31		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	1.9	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	240	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.11	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	150000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Mercury	0.18	J	0.20	0.12	ug/L	1		7470A	Total/NA
Chloride	320		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	78		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	4.2		0.20	0.035	mg/L	1		350.3	Total/NA
Ferrous Iron	1.3	HF	0.25	0.090	mg/L	5		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 15 — Lab Sample ID: 240-24386-17

No Detections.

Client Sample ID: FIELD DUPLICATE #3 — Lab Sample ID: 240-24386-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.0		1.0	0.16	ug/L	1		8260B	Total/NA
Chloroethane	22		2.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FIELD DUPLICATE #3 (Continued) — Lab Sample ID: 240-24386-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.22	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	8.7		1.0	0.13	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.37	J	5.0	0.25	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.33	J	1.0	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.79	J	1.0	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	2.8		1.0	0.10	ug/L	1		8260B	Total/NA
Aluminum	86		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.26	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	4.7	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	280	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.092	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	130000	B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	2.2		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	1.3	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	14	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	8200	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	62000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	26000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	560	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	60	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.62	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	11	J B	20	2.1	ug/L	1		6020	Total Recoverable
Sodium	120000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	160		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	34		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	12		1.0	0.18	mg/L	5		350.3	Total/NA
Ferrous Iron	1.6	HF	0.25	0.090	mg/L	5		SM 3500 FE D	Total/NA

Client Sample ID: MW-31 — Lab Sample ID: 240-24386-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	5400		50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.64	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	5.9	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	98	B	1.0	0.32	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-31 (Continued) — Lab Sample ID: 240-24386-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.40	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	41000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.33	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	5.0		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	86		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	30	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	11000	B	100	12	ug/L	1		6020	Total Recoverable
Magnesium	8800	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	4800	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	230	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	54	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	5.7		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.57	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	100	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.10	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	7700	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	18		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	21		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.066	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.29		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.15	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 16 — Lab Sample ID: 240-24386-20

No Detections.

Client Sample ID: TRIP BLANK 17 — Lab Sample ID: 240-24386-21

No Detections.

Client Sample ID: EQUIPMENT BLANK 3 — Lab Sample ID: 240-24386-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzaldehyde	0.74	J	1.0	0.39	ug/L	1		8270C	Total/NA
Antimony	0.16	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	0.13	J B	3.0	0.063	ug/L	1		6020	Total Recoverable
Beryllium	0.049	J	1.0	0.031	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: EQUIPMENT BLANK 3 (Continued)

Lab Sample ID: 240-24386-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	29	J B	1000	27	ug/L	1		6020	Total Recoverable
Cobalt	0.19	J	1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	3.7		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	0.28	J B	2.0	0.24	ug/L	1		6020	Total Recoverable
Potassium	16	J B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	0.75	J B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	9.0	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	0.14	J	1.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	5.5	J B	20	2.1	ug/L	1		6020	Total Recoverable
Sodium	88	J B	1000	4.2	ug/L	1		6020	Total Recoverable
Ammonia (as N)	0.061	J	0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.42		0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.023	J HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TRIP BLANK 18

Lab Sample ID: 240-24386-23

No Detections.

This Detection Summary does not include radiochemical test results.

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-13i NEW
Date Collected: 05/14/13 07:45
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/23/13 21:49	1
Benzene	ND		1.0	0.16	ug/L			05/23/13 21:49	1
Bromoform	ND		1.0	0.19	ug/L			05/23/13 21:49	1
Bromomethane	ND		2.0	0.21	ug/L			05/23/13 21:49	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/23/13 21:49	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/23/13 21:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/23/13 21:49	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/23/13 21:49	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/23/13 21:49	1
Chloroethane	ND		2.0	0.41	ug/L			05/23/13 21:49	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 21:49	1
Chloromethane	ND		2.0	0.30	ug/L			05/23/13 21:49	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 21:49	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/23/13 21:49	1
Cyclohexane	ND		2.0	0.28	ug/L			05/23/13 21:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/23/13 21:49	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 21:49	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 21:49	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/23/13 21:49	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/23/13 21:49	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/23/13 21:49	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 21:49	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/23/13 21:49	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/23/13 21:49	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 21:49	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/23/13 21:49	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/23/13 21:49	1
2-Hexanone	ND		5.0	1.7	ug/L			05/23/13 21:49	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/23/13 21:49	1
Methyl acetate	ND		5.0	1.6	ug/L			05/23/13 21:49	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/23/13 21:49	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/23/13 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/23/13 21:49	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/23/13 21:49	1
Styrene	ND		1.0	0.17	ug/L			05/23/13 21:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/13 21:49	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/23/13 21:49	1
Toluene	ND		1.0	0.17	ug/L			05/23/13 21:49	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 21:49	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/23/13 21:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/23/13 21:49	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/23/13 21:49	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 21:49	1
Trichloroethene	ND		1.0	0.16	ug/L			05/23/13 21:49	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/23/13 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/23/13 21:49	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/23/13 21:49	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/23/13 21:49	1

Client Sample ID: MW-13i NEW
Date Collected: 05/14/13 07:45
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-1
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Methane, chlorofluoro-	4.1	T J N	ug/L		4.29	593-70-4		05/23/13 21:49	1
Ethyl ether	6.8		ug/L		5.16	60-29-7		05/23/13 21:49	1
2-Methyl-2-propanol	56		ug/L		5.75	75-65-0		05/23/13 21:49	1
Unknown	1.4	T J	ug/L		6.43			05/23/13 21:49	1
Tetrahydrofuran	23		ug/L		6.99	109-99-9		05/23/13 21:49	1
1,4-Dioxane	96	J	ug/L		8.17	123-91-1		05/23/13 21:49	1
Cyclotetrasiloxane, octamethyl-	26	T J N	ug/L		10.63	556-67-2		05/23/13 21:49	1
Cyclopentasiloxane, decamethyl-	22	T J N	ug/L		12.17	541-2-6		05/23/13 21:49	1
Acetic acid, 2-ethylhexyl ester	1.9	T J N	ug/L		12.75	103-9-3		05/23/13 21:49	1
Cyclohexasiloxane, dodecamethyl-	7.1	T J N	ug/L		14.15	540-97-6		05/23/13 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		78 - 120		05/23/13 21:49	1
Dibromofluoromethane (Surr)	108		77 - 120		05/23/13 21:49	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 127		05/23/13 21:49	1
Toluene-d8 (Surr)	107		80 - 125		05/23/13 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 18:13	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 18:13	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 18:13	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 18:13	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 18:13	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:13	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 18:13	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:13	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 18:13	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 18:13	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 18:13	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-13i NEW
Date Collected: 05/14/13 07:45
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 18:13	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 18:13	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 18:13	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 18:13	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 18:13	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 18:13	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 18:13	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 18:13	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:13	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 18:13	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:13	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 18:13	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:13	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 18:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.3*	*T J*	*ug/L*		*4.87*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Formamide, N,N-diethyl-	*7.1*	*T J N*	*ug/L*		*5.27*	*617-84-5*	*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*6.37*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*7.86*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*8.34*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*17*	*T J*	*ug/L*		*8.41*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*10.77*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Octadecanoic acid	*5.9*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*110*	*T J*	*ug/L*		*11.43*		*05/20/13 08:15*	*05/22/13 18:13*	*1*
Unknown	*18*	*T J*	*ug/L*		*11.66*		*05/20/13 08:15*	*05/22/13 18:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*20 - 110*	*05/20/13 08:15*	*05/22/13 18:13*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 110*	*05/20/13 08:15*	*05/22/13 18:13*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-13i NEW
Date Collected: 05/14/13 07:45
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-1
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:13*	*1*
Nitrobenzene-d5 (Surr)	*52*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:13*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:13*	*1*
Terphenyl-d14 (Surr)	*36*		*24 - 110*	*05/20/13 08:15*	*05/22/13 18:13*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1500**		50	7.5	ug/L		05/16/13 08:16	05/17/13 13:15	1
Antimony	**0.48**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:15	1
Arsenic	**5.9**	**B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:15	1
Barium	**630**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:15	1
Beryllium	**0.32**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:15	1
Calcium	**130000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 13:15	1
Cadmium	**0.23**	**J**	1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:15	1
Cobalt	**2.8**		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:15	1
Chromium	**19**		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:15	1
Copper	**9.3**	**B**	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:15	1
Iron	**8700**	**B**	100	12	ug/L		05/16/13 08:16	05/17/13 13:15	1
Magnesium	**39000**	**B**	1000	15	ug/L		05/16/13 08:16	05/17/13 13:15	1
Potassium	**11000**	**B**	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:15	1
Manganese	**110**	**B**	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:15	1
Nickel	**36**	**B**	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:15	1
Lead	**5.6**		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:15	1
Selenium	**0.66**	**J**	5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:15	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:15	1
Zinc	**120**	**B**	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:15	1
Silver	**0.080**	**J B**	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:15	1
Sodium	**150000**	**B**	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		5.0	0.50	mg/L			05/22/13 12:20	5
Sulfate	**20**		5.0	0.60	mg/L			05/22/13 12:20	5
Ammonia (as N)	**9.3**		0.40	0.070	mg/L			05/17/13 16:44	2
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:17	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 15:43	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:05	1
Ferrous Iron	**0.60**	**HF**	0.050	0.018	mg/L			05/15/13 16:46	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-14i NEW
Date Collected: 05/14/13 08:41
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/23/13 22:49	1
Benzene	ND		1.0	0.16	ug/L			05/23/13 22:49	1
Bromoform	ND		1.0	0.19	ug/L			05/23/13 22:49	1
Bromomethane	ND		2.0	0.21	ug/L			05/23/13 22:49	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/23/13 22:49	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/23/13 22:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/23/13 22:49	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/23/13 22:49	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/23/13 22:49	1
Chloroethane	ND		2.0	0.41	ug/L			05/23/13 22:49	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 22:49	1
Chloromethane	ND		2.0	0.30	ug/L			05/23/13 22:49	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 22:49	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/23/13 22:49	1
Cyclohexane	ND		2.0	0.28	ug/L			05/23/13 22:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/23/13 22:49	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 22:49	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 22:49	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/23/13 22:49	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/23/13 22:49	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/23/13 22:49	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 22:49	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/23/13 22:49	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/23/13 22:49	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 22:49	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/23/13 22:49	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/23/13 22:49	1
2-Hexanone	ND		5.0	1.7	ug/L			05/23/13 22:49	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/23/13 22:49	1
Methyl acetate	ND		5.0	1.6	ug/L			05/23/13 22:49	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/23/13 22:49	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/23/13 22:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/23/13 22:49	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/23/13 22:49	1
Styrene	ND		1.0	0.17	ug/L			05/23/13 22:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/13 22:49	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/23/13 22:49	1
Toluene	ND		1.0	0.17	ug/L			05/23/13 22:49	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 22:49	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/23/13 22:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/23/13 22:49	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/23/13 22:49	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 22:49	1
Trichloroethene	ND		1.0	0.16	ug/L			05/23/13 22:49	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/23/13 22:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/23/13 22:49	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/23/13 22:49	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/23/13 22:49	1

Client Sample ID: MW-14i NEW
Date Collected: 05/14/13 08:41
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-2
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.8	T J	ug/L		3.95			05/23/13 22:49	1
Methane, chlorofluoro-	2.5	T J N	ug/L		4.28	593-70-4		05/23/13 22:49	1
Unknown	1.7	T J	ug/L		4.54			05/23/13 22:49	1
2-Methyl-2-propanol	26	J	ug/L		5.74	75-65-0		05/23/13 22:49	1
Tetrahydrofuran	16		ug/L		6.99	109-99-9		05/23/13 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		78 - 120		05/23/13 22:49	1
Dibromofluoromethane (Surr)	102		77 - 120		05/23/13 22:49	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 127		05/23/13 22:49	1
Toluene-d8 (Surr)	104		80 - 125		05/23/13 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 18:35	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 18:35	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 18:35	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 18:35	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 18:35	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:35	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 18:35	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:35	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 18:35	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 18:35	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 18:35	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 18:35	1

Client Sample ID: MW-14i NEW
Date Collected: 05/14/13 08:41
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 18:35	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 18:35	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 18:35	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 18:35	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 18:35	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 18:35	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 18:35	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:35	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 18:35	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:35	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 18:35	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:35	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 18:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.8*	*T J*	*ug/L*		*5.69*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*6.35*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*1.1*	*T J*	*ug/L*		*6.92*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*7.85*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*6.7*	*T J*	*ug/L*		*8.39*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Saccharin	*2.0*	*T J N*	*ug/L*		*9.57*	*81-7-2*	*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.90*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*43*	*T J*	*ug/L*		*11.40*		*05/20/13 08:15*	*05/22/13 18:35*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*12.50*		*05/20/13 08:15*	*05/22/13 18:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*		*20 - 110*	*05/20/13 08:15*	*05/22/13 18:35*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 110*	*05/20/13 08:15*	*05/22/13 18:35*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:35*	*1*
Nitrobenzene-d5 (Surr)	*54*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:35*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:35*	*1*
Terphenyl-d14 (Surr)	*35*		*24 - 110*	*05/20/13 08:15*	*05/22/13 18:35*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-14i NEW
Date Collected: 05/14/13 08:41
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-2
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		50	7.5	ug/L		05/16/13 08:16	05/17/13 13:19	1
Antimony	0.45	J B	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:19	1
Arsenic	7.1	B	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:19	1
Barium	340	B	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:19	1
Beryllium	0.81	J	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:19	1
Calcium	130000	B	1000	27	ug/L		05/16/13 08:16	05/17/13 13:19	1
Cadmium	0.067	J	1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:19	1
Cobalt	7.8		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:19	1
Chromium	22		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:19	1
Copper	22	B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:19	1
Iron	22000	B	100	12	ug/L		05/16/13 08:16	05/17/13 13:19	1
Magnesium	35000	B	1000	15	ug/L		05/16/13 08:16	05/17/13 13:19	1
Potassium	6800	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:19	1
Manganese	330	B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:19	1
Nickel	34	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:19	1
Lead	10		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:19	1
Selenium	1.5	J	5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:19	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:19	1
Zinc	62	B	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:19	1
Silver	0.046	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:19	1
Sodium	120000	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.0	0.50	mg/L			05/22/13 12:38	5
Sulfate	54		5.0	0.60	mg/L			05/22/13 12:38	5
Ammonia (as N)	0.98		0.20	0.035	mg/L			05/17/13 16:56	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:19	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 15:47	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:11	1
Ferrous Iron	0.20	HF	0.050	0.018	mg/L			05/15/13 16:48	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 9
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/23/13 23:09	1
Benzene	ND		1.0	0.16	ug/L			05/23/13 23:09	1
Bromoform	ND		1.0	0.19	ug/L			05/23/13 23:09	1
Bromomethane	ND		2.0	0.21	ug/L			05/23/13 23:09	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/23/13 23:09	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/23/13 23:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/23/13 23:09	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/23/13 23:09	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/23/13 23:09	1
Chloroethane	ND		2.0	0.41	ug/L			05/23/13 23:09	1
Chloroform	**0.23**	**J**	1.0	0.16	ug/L			05/23/13 23:09	1
Chloromethane	ND		2.0	0.30	ug/L			05/23/13 23:09	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 23:09	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/23/13 23:09	1
Cyclohexane	ND		2.0	0.28	ug/L			05/23/13 23:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/23/13 23:09	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 23:09	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 23:09	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/23/13 23:09	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/23/13 23:09	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/23/13 23:09	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 23:09	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/23/13 23:09	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/23/13 23:09	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 23:09	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/23/13 23:09	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/23/13 23:09	1
2-Hexanone	ND		5.0	1.7	ug/L			05/23/13 23:09	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/23/13 23:09	1
Methyl acetate	ND		5.0	1.6	ug/L			05/23/13 23:09	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/23/13 23:09	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/23/13 23:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/23/13 23:09	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/23/13 23:09	1
Styrene	ND		1.0	0.17	ug/L			05/23/13 23:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/13 23:09	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/23/13 23:09	1
Toluene	ND		1.0	0.17	ug/L			05/23/13 23:09	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 23:09	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/23/13 23:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/23/13 23:09	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/23/13 23:09	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 23:09	1
Trichloroethene	ND		1.0	0.16	ug/L			05/23/13 23:09	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/23/13 23:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/23/13 23:09	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/23/13 23:09	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/23/13 23:09	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 9
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-3
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.8	T J	ug/L		4.48			05/23/13 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		78 - 120		05/23/13 23:09	1
Dibromofluoromethane (Surr)	109		77 - 120		05/23/13 23:09	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 127		05/23/13 23:09	1
Toluene-d8 (Surr)	113		80 - 125		05/23/13 23:09	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-7i
Date Collected: 05/14/13 10:01
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/23/13 23:29	1
Benzene	ND		1.0	0.16	ug/L			05/23/13 23:29	1
Bromoform	ND		1.0	0.19	ug/L			05/23/13 23:29	1
Bromomethane	ND		2.0	0.21	ug/L			05/23/13 23:29	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/23/13 23:29	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/23/13 23:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/23/13 23:29	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/23/13 23:29	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/23/13 23:29	1
Chloroethane	ND		2.0	0.41	ug/L			05/23/13 23:29	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 23:29	1
Chloromethane	ND		2.0	0.30	ug/L			05/23/13 23:29	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 23:29	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/23/13 23:29	1
Cyclohexane	ND		2.0	0.28	ug/L			05/23/13 23:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/23/13 23:29	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 23:29	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 23:29	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/23/13 23:29	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/23/13 23:29	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/23/13 23:29	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 23:29	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/23/13 23:29	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/23/13 23:29	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 23:29	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/23/13 23:29	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/23/13 23:29	1
2-Hexanone	ND		5.0	1.7	ug/L			05/23/13 23:29	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/23/13 23:29	1
Methyl acetate	ND		5.0	1.6	ug/L			05/23/13 23:29	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/23/13 23:29	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/23/13 23:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/23/13 23:29	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/23/13 23:29	1
Styrene	ND		1.0	0.17	ug/L			05/23/13 23:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/13 23:29	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/23/13 23:29	1
Toluene	ND		1.0	0.17	ug/L			05/23/13 23:29	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 23:29	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/23/13 23:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/23/13 23:29	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/23/13 23:29	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 23:29	1
Trichloroethene	ND		1.0	0.16	ug/L			05/23/13 23:29	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/23/13 23:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/23/13 23:29	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/23/13 23:29	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/23/13 23:29	1

Client Sample ID: MW-7i
Date Collected: 05/14/13 10:01
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-4
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2.0	T J	ug/L		4.04			05/23/13 23:29	1
Methane, chlorofluoro-	1.8	T J N	ug/L		4.27	593-70-4		05/23/13 23:29	1
Ethyl ether	2.0		ug/L		5.17	60-29-7		05/23/13 23:29	1
Tetrahydrofuran	8.6		ug/L		6.98	109-99-9		05/23/13 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		78 - 120		05/23/13 23:29	1
Dibromofluoromethane (Surr)	117		77 - 120		05/23/13 23:29	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 127		05/23/13 23:29	1
Toluene-d8 (Surr)	116		80 - 125		05/23/13 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 18:57	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 18:57	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 18:57	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 18:57	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 18:57	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:57	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 18:57	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:57	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 18:57	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 18:57	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 18:57	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 18:57	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1

Client Sample ID: MW-7i
Date Collected: 05/14/13 10:01
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 18:57	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 18:57	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 18:57	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 18:57	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 18:57	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 18:57	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 18:57	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 18:57	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 18:57	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 18:57	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 18:57	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 18:57	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 18:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.7*	*T J*	*ug/L*		*4.87*		*05/20/13 08:15*	*05/22/13 18:57*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*5.24*		*05/20/13 08:15*	*05/22/13 18:57*	*1*
Hexanoic acid	*2.4*	*T J N*	*ug/L*		*5.53*	*142-62-1*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
Urea, tetramethyl-	*2.5*	*T J N*	*ug/L*		*5.69*	*632-22-4*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*6.35*		*05/20/13 08:15*	*05/22/13 18:57*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 18:57*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*7.86*		*05/20/13 08:15*	*05/22/13 18:57*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*8.34*		*05/20/13 08:15*	*05/22/13 18:57*	*1*
Octadecanoic acid	*4.8*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
Unknown	*10*	*T J*	*ug/L*		*11.39*		*05/20/13 08:15*	*05/22/13 18:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*44*		*20 - 110*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 110*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
Nitrobenzene-d5 (Surr)	*50*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*05/20/13 08:15*	*05/22/13 18:57*	*1*
Terphenyl-d14 (Surr)	*38*		*24 - 110*	*05/20/13 08:15*	*05/22/13 18:57*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-7i
Date Collected: 05/14/13 10:01
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-4
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18	J	50	7.5	ug/L		05/16/13 08:16	05/17/13 13:22	1
Antimony	0.27	J B	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:22	1
Arsenic	0.53	J B	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:22	1
Barium	780	B	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:22	1
Beryllium	0.12	J	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:22	1
Calcium	110000	B	1000	27	ug/L		05/16/13 08:16	05/17/13 13:22	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:22	1
Cobalt	0.48	J	1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:22	1
Chromium	1.9	J	2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:22	1
Copper	4.2	B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:22	1
Iron	6600	B	100	12	ug/L		05/16/13 08:16	05/17/13 13:22	1
Magnesium	29000	B	1000	15	ug/L		05/16/13 08:16	05/17/13 13:22	1
Potassium	3500	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:22	1
Manganese	200	B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:22	1
Nickel	10	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:22	1
Lead	0.38	J	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:22	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:22	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:22	1
Zinc	2.3	J B	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:22	1
Silver	0.014	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:22	1
Sodium	78000	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93		5.0	0.50	mg/L			05/22/13 12:55	5
Sulfate	37		5.0	0.60	mg/L			05/22/13 12:55	5
Ammonia (as N)	3.3		0.20	0.035	mg/L			05/20/13 13:37	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:21	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 15:52	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:11	1
Ferrous Iron	0.043	J HF	0.050	0.018	mg/L			05/15/13 16:50	1

Client Sample ID: MW-03i
Date Collected: 05/14/13 10:30
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/23/13 23:49	1
Benzene	ND		1.0	0.16	ug/L			05/23/13 23:49	1
Bromoform	ND		1.0	0.19	ug/L			05/23/13 23:49	1
Bromomethane	ND		2.0	0.21	ug/L			05/23/13 23:49	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/23/13 23:49	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/23/13 23:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/23/13 23:49	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/23/13 23:49	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/23/13 23:49	1
Chloroethane	ND		2.0	0.41	ug/L			05/23/13 23:49	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 23:49	1
Chloromethane	ND		2.0	0.30	ug/L			05/23/13 23:49	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 23:49	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/23/13 23:49	1
Cyclohexane	ND		2.0	0.28	ug/L			05/23/13 23:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/23/13 23:49	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 23:49	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 23:49	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/23/13 23:49	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/23/13 23:49	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/23/13 23:49	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 23:49	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/23/13 23:49	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/23/13 23:49	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 23:49	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/23/13 23:49	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/23/13 23:49	1
2-Hexanone	ND		5.0	1.7	ug/L			05/23/13 23:49	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/23/13 23:49	1
Methyl acetate	ND		5.0	1.6	ug/L			05/23/13 23:49	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/23/13 23:49	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/23/13 23:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/23/13 23:49	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/23/13 23:49	1
Styrene	ND		1.0	0.17	ug/L			05/23/13 23:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/13 23:49	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/23/13 23:49	1
Toluene	ND		1.0	0.17	ug/L			05/23/13 23:49	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 23:49	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/23/13 23:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/23/13 23:49	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/23/13 23:49	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 23:49	1
Trichloroethene	ND		1.0	0.16	ug/L			05/23/13 23:49	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/23/13 23:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/23/13 23:49	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/23/13 23:49	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/23/13 23:49	1

Client Sample ID: MW-03i
Date Collected: 05/14/13 10:30
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-5
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.5	T J	ug/L		3.96			05/23/13 23:49	1
Ethyl ether	1.5	J	ug/L		5.16	60-29-7		05/23/13 23:49	1
2-Methyl-2-propanol	25	J	ug/L		5.75	75-65-0		05/23/13 23:49	1
Tetrahydrofuran	7.2		ug/L		6.99	109-99-9		05/23/13 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		78 - 120		05/23/13 23:49	1
Dibromofluoromethane (Surr)	108		77 - 120		05/23/13 23:49	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 127		05/23/13 23:49	1
Toluene-d8 (Surr)	111		80 - 125		05/23/13 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 19:20	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 19:20	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 19:20	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 19:20	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 19:20	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:20	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 19:20	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:20	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 19:20	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 19:20	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 19:20	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 19:20	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1

Client Sample ID: MW-03i
Date Collected: 05/14/13 10:30
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 19:20	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 19:20	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 19:20	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 19:20	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 19:20	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 19:20	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 19:20	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:20	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 19:20	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:20	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 19:20	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:20	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 19:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Urea, tetramethyl-	*2.6*	*T J N*	*ug/L*		*5.69*	*632-22-4*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*6.35*		*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*1.1*	*T J*	*ug/L*		*7.86*		*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*1.5*	*T J*	*ug/L*		*8.34*		*05/20/13 08:15*	*05/22/13 19:20*	*1*
Octadecanoic acid	*2.8*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*11*	*T J*	*ug/L*		*11.39*		*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*11.44*		*05/20/13 08:15*	*05/22/13 19:20*	*1*
Unknown	*0.99*	*T J*	*ug/L*		*12.49*		*05/20/13 08:15*	*05/22/13 19:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*20 - 110*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
2-Fluorophenol (Surr)	*61*		*10 - 110*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*21 - 110*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
Nitrobenzene-d5 (Surr)	*60*		*21 - 110*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
Phenol-d5 (Surr)	*64*		*21 - 110*	*05/20/13 08:15*	*05/22/13 19:20*	*1*
Terphenyl-d14 (Surr)	*47*		*24 - 110*	*05/20/13 08:15*	*05/22/13 19:20*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-03i
Date Collected: 05/14/13 10:30
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-5
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9.2	J	50	7.5	ug/L		05/16/13 08:16	05/17/13 13:26	1
Antimony	0.21	J B	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:26	1
Arsenic	3.5	B	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:26	1
Barium	460	B	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:26	1
Beryllium	0.082	J	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:26	1
Calcium	110000	B	1000	27	ug/L		05/16/13 08:16	05/17/13 13:26	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:26	1
Cobalt	0.18	J	1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:26	1
Chromium	0.60	J	2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:26	1
Copper	0.61	J B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:26	1
Iron	2900	B	100	12	ug/L		05/16/13 08:16	05/17/13 13:26	1
Magnesium	29000	B	1000	15	ug/L		05/16/13 08:16	05/17/13 13:26	1
Potassium	4100	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:26	1
Manganese	140	B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:26	1
Nickel	4.9	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:26	1
Lead	0.36	J	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:26	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:26	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:26	1
Zinc	3.7	J B	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:26	1
Silver	0.010	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:26	1
Sodium	64000	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97		5.0	0.50	mg/L			05/22/13 13:12	5
Sulfate	54		5.0	0.60	mg/L			05/22/13 13:12	5
Ammonia (as N)	1.9		0.20	0.035	mg/L			05/20/13 13:37	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:27	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 15:56	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:11	1
Ferrous Iron	0.082	HF	0.050	0.018	mg/L			05/15/13 16:52	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 11
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 00:09	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 00:09	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 00:09	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 00:09	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 00:09	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 00:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 00:09	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 00:09	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 00:09	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 00:09	1
Chloroform	**0.24**	**J**	1.0	0.16	ug/L			05/24/13 00:09	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 00:09	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 00:09	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 00:09	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 00:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 00:09	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 00:09	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 00:09	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 00:09	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 00:09	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 00:09	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 00:09	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 00:09	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 00:09	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 00:09	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 00:09	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 00:09	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 00:09	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 00:09	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 00:09	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 00:09	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 00:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 00:09	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 00:09	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 00:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 00:09	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 00:09	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 00:09	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 00:09	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 00:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 00:09	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 00:09	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 00:09	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 00:09	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 00:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 00:09	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 00:09	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 00:09	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 11
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-6
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		78 - 120		05/24/13 00:09	1
Dibromofluoromethane (Surr)	108		77 - 120		05/24/13 00:09	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 127		05/24/13 00:09	1
Toluene-d8 (Surr)	110		80 - 125		05/24/13 00:09	1

Client Sample ID: MW-01i
Date Collected: 05/14/13 11:40
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 00:28	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 00:28	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 00:28	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 00:28	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 00:28	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 00:28	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 00:28	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 00:28	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 00:28	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 00:28	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 00:28	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 00:28	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 00:28	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 00:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 00:28	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 00:28	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 00:28	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 00:28	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 00:28	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 00:28	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 00:28	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 00:28	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 00:28	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 00:28	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 00:28	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 00:28	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 00:28	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 00:28	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 00:28	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 00:28	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 00:28	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 00:28	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 00:28	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 00:28	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 00:28	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 00:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 00:28	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 00:28	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 00:28	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 00:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 00:28	1
Vinyl chloride	**2.5**		1.0	0.10	ug/L			05/24/13 00:28	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 00:28	1

Client Sample ID: MW-01i
Date Collected: 05/14/13 11:40
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-7
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12	T J	ug/L		3.97			05/24/13 00:28	1
Ethyl ether	15		ug/L		5.16	60-29-7		05/24/13 00:28	1
Isopropyl alcohol	14	J	ug/L		5.42	67-63-0		05/24/13 00:28	1
2-Methyl-2-propanol	82		ug/L		5.75	75-65-0		05/24/13 00:28	1
Tetrahydrofuran	40		ug/L		6.99	109-99-9		05/24/13 00:28	1
1,4-Dioxane	190	J	ug/L		8.16	123-91-1		05/24/13 00:28	1
Cyclotetrasiloxane, octamethyl-	49	T J N	ug/L		10.63	556-67-2		05/24/13 00:28	1
Cyclopentasiloxane, decamethyl-	36	T J N	ug/L		12.16	541-2-6		05/24/13 00:28	1
Acetic acid, 2-ethylhexyl ester	3.8	T J N	ug/L		12.75	103-9-3		05/24/13 00:28	1
Cyclohexasiloxane, dodecamethyl-	14	T J N	ug/L		14.15	540-97-6		05/24/13 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		78 - 120		05/24/13 00:28	1
Dibromofluoromethane (Surr)	109		77 - 120		05/24/13 00:28	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 127		05/24/13 00:28	1
Toluene-d8 (Surr)	107		80 - 125		05/24/13 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 19:42	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 19:42	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 19:42	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 19:42	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 19:42	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:42	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 19:42	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:42	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 19:42	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 19:42	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 19:42	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1

Client Sample ID: MW-01i
Date Collected: 05/14/13 11:40
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 19:42	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 19:42	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 19:42	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 19:42	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 19:42	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 19:42	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 19:42	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 19:42	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 19:42	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 19:42	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 19:42	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 19:42	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 19:42	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*11*	*T J*	*ug/L*		*4.86*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Urea, tetramethyl-	*6.8*	*T J N*	*ug/L*		*5.69*	*632-22-4*	*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*6.16*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*9.7*	*T J*	*ug/L*		*6.37*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*6.93*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*7.86*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Octadecanoic acid	*13*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*100*	*T J*	*ug/L*		*11.42*		*05/20/13 08:15*	*05/22/13 19:42*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*13.62*		*05/20/13 08:15*	*05/22/13 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*20 - 110*	*05/20/13 08:15*	*05/22/13 19:42*	*1*
2-Fluorophenol (Surr)	*59*		*10 - 110*	*05/20/13 08:15*	*05/22/13 19:42*	*1*

Client Sample ID: MW-01i
Date Collected: 05/14/13 11:40
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-7
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/20/13 08:15*	*05/22/13 19:42*	*1*
Nitrobenzene-d5 (Surr)	*58*		*21 - 110*	*05/20/13 08:15*	*05/22/13 19:42*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*05/20/13 08:15*	*05/22/13 19:42*	*1*
Terphenyl-d14 (Surr)	*42*		*24 - 110*	*05/20/13 08:15*	*05/22/13 19:42*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11**	**J**	50	7.5	ug/L		05/16/13 08:16	05/17/13 13:38	1
Antimony	**0.52**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:38	1
Arsenic	**2.8**	**J B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:38	1
Barium	**780**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:38	1
Beryllium	**0.094**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:38	1
Calcium	**140000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 13:38	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:38	1
Cobalt	**1.1**		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:38	1
Chromium	**5.1**		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:38	1
Copper	**11**	**B**	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:38	1
Iron	**18000**	**B**	100	12	ug/L		05/16/13 08:16	05/17/13 13:38	1
Magnesium	**41000**	**B**	1000	15	ug/L		05/16/13 08:16	05/17/13 13:38	1
Potassium	**8300**	**B**	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:38	1
Manganese	**210**	**B**	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:38	1
Nickel	**34**	**B**	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:38	1
Lead	**0.74**	**J**	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:38	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:38	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:38	1
Zinc	**10**	**J B**	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:38	1
Silver	**0.014**	**J B**	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:38	1
Sodium	**170000**	**B**	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		5.0	0.50	mg/L			05/22/13 13:30	5
Sulfate	**27**		5.0	0.60	mg/L			05/22/13 13:30	5
Ammonia (as N)	**8.0**		0.40	0.070	mg/L			05/20/13 13:37	2
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:29	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:00	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:11	1
Ferrous Iron	**0.58**	**HF**	0.050	0.018	mg/L			05/15/13 16:54	1

Client Sample ID: MW-01s
Date Collected: 05/14/13 14:15
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 00:48	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 00:48	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 00:48	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 00:48	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 00:48	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 00:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 00:48	1
Chlorobenzene	**0.98**	**J**	1.0	0.17	ug/L			05/24/13 00:48	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 00:48	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 00:48	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 00:48	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 00:48	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 00:48	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 00:48	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 00:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 00:48	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 00:48	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 00:48	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 00:48	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 00:48	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 00:48	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 00:48	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 00:48	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 00:48	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 00:48	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 00:48	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 00:48	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 00:48	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 00:48	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 00:48	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 00:48	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 00:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 00:48	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 00:48	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 00:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 00:48	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 00:48	1
Toluene	**0.17**	**J**	1.0	0.17	ug/L			05/24/13 00:48	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 00:48	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 00:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 00:48	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 00:48	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 00:48	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 00:48	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 00:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 00:48	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 00:48	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 00:48	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-01s
Date Collected: 05/14/13 14:15
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-8
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	5.8		ug/L		5.15	60-29-7		05/24/13 00:48	1
Cyclotrisiloxane, hexamethyl-	1.4	T J N	ug/L		8.92	541-5-9		05/24/13 00:48	1
Unknown	12	T J	ug/L		10.63			05/24/13 00:48	1
Cyclopentasiloxane, decamethyl-	11	T J N	ug/L		12.16	541-2-6		05/24/13 00:48	1
Cyclohexasiloxane, dodecamethyl-	4.0	T J N	ug/L		14.15	540-97-6		05/24/13 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		78 - 120		05/24/13 00:48	1
Dibromofluoromethane (Surr)	103		77 - 120		05/24/13 00:48	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 127		05/24/13 00:48	1
Toluene-d8 (Surr)	105		80 - 125		05/24/13 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 20:04	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 20:04	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 20:04	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 20:04	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 20:04	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:04	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 20:04	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:04	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 20:04	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 20:04	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 20:04	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 20:04	1

Client Sample ID: MW-01s
Date Collected: 05/14/13 14:15
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Bis(2-ethylhexyl) phthalate	**0.96**	**J**	1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
Caprolactam	**58**		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 20:04	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 20:04	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 20:04	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 20:04	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 20:04	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 20:04	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 20:04	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:04	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 20:04	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:04	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 20:04	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:04	1
3 & 4 Methylphenol	**1.7**	**J**	1.9	0.71	ug/L		05/20/13 08:15	05/22/13 20:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dodecanoic acid	*6.1*	*T J N*	*ug/L*		*8.70*	*143-7-7*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
2(3H)-Benzothiazolone	*40*	*T J N*	*ug/L*		*9.31*	*934-34-9*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*10.17*		*05/20/13 08:15*	*05/22/13 20:04*	*1*
n-Hexadecanoic acid	*23*	*T J N*	*ug/L*		*10.23*	*57-10-3*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*10.38*		*05/20/13 08:15*	*05/22/13 20:04*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*10.84*		*05/20/13 08:15*	*05/22/13 20:04*	*1*
Octadecanoic acid	*24*	*T J N*	*ug/L*		*10.91*	*57-11-4*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*11.44*		*05/20/13 08:15*	*05/22/13 20:04*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*13.50*		*05/20/13 08:15*	*05/22/13 20:04*	*1*
Unknown	*11*	*T J*	*ug/L*		*17.24*		*05/20/13 08:15*	*05/22/13 20:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*20 - 110*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
2-Fluorophenol (Surr)	*50*		*10 - 110*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
Nitrobenzene-d5 (Surr)	*51*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:04*	*1*
Terphenyl-d14 (Surr)	*33*		*24 - 110*	*05/20/13 08:15*	*05/22/13 20:04*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-01s
Date Collected: 05/14/13 14:15
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-8
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	430		50	7.5	ug/L		05/16/13 08:16	05/17/13 13:41	1
Antimony	1.9	J B	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:41	1
Arsenic	8.6	B	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:41	1
Barium	360	B	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:41	1
Beryllium	0.11	J	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:41	1
Calcium	160000	B	1000	27	ug/L		05/16/13 08:16	05/17/13 13:41	1
Cadmium	1.8		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:41	1
Cobalt	6.2		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:41	1
Chromium	26		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:41	1
Copper	40	B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:41	1
Iron	14000	B	100	12	ug/L		05/16/13 08:16	05/17/13 13:41	1
Magnesium	27000	B	1000	15	ug/L		05/16/13 08:16	05/17/13 13:41	1
Potassium	2800	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:41	1
Manganese	1600	B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:41	1
Nickel	23	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:41	1
Lead	2.2		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:41	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:41	1
Thallium	0.59	J	1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:41	1
Zinc	67	B	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:41	1
Silver	0.032	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:41	1
Sodium	4400	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14	J	0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.9		1.0	0.10	mg/L			05/22/13 14:22	1
Sulfate	10		1.0	0.12	mg/L			05/22/13 14:22	1
Ammonia (as N)	1.8		0.20	0.035	mg/L			05/20/13 13:37	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:31	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:05	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:11	1
Ferrous Iron	1.4	HF	0.25	0.090	mg/L			05/15/13 16:56	5

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 13
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 01:08	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 01:08	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 01:08	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 01:08	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 01:08	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 01:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 01:08	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 01:08	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 01:08	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 01:08	1
Chloroform	**0.21**	**J**	1.0	0.16	ug/L			05/24/13 01:08	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 01:08	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 01:08	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 01:08	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 01:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 01:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 01:08	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 01:08	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 01:08	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 01:08	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 01:08	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 01:08	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 01:08	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 01:08	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 01:08	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 01:08	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 01:08	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 01:08	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 01:08	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 01:08	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 01:08	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 01:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 01:08	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 01:08	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 01:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 01:08	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 01:08	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 01:08	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 01:08	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 01:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 01:08	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 01:08	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 01:08	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 01:08	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 01:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 01:08	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 01:08	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 01:08	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 13
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-9
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		78 - 120		05/24/13 01:08	1
Dibromofluoromethane (Surr)	102		77 - 120		05/24/13 01:08	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 127		05/24/13 01:08	1
Toluene-d8 (Surr)	104		80 - 125		05/24/13 01:08	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: EQUIPMENT BLANK 2
Date Collected: 05/14/13 09:10
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.9**	**J**	10	1.9	ug/L			05/24/13 01:28	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 01:28	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 01:28	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 01:28	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 01:28	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 01:28	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 01:28	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 01:28	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 01:28	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 01:28	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 01:28	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 01:28	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 01:28	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 01:28	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 01:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 01:28	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 01:28	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 01:28	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 01:28	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 01:28	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 01:28	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 01:28	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 01:28	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 01:28	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 01:28	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 01:28	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 01:28	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 01:28	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 01:28	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 01:28	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 01:28	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 01:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 01:28	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 01:28	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 01:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 01:28	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 01:28	1
Toluene	**0.67**	**J**	1.0	0.17	ug/L			05/24/13 01:28	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 01:28	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 01:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 01:28	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 01:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 01:28	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 01:28	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 01:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 01:28	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 01:28	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 01:28	1

Client Sample ID: EQUIPMENT BLANK 2
Date Collected: 05/14/13 09:10
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-10
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2.5	T J	ug/L		4.14			05/24/13 01:28	1
Cyclotrisiloxane, hexamethyl-	10	T J N	ug/L		8.93	541-5-9		05/24/13 01:28	1
Cyclotetrasiloxane, octamethyl-	36	T J N	ug/L		10.63	556-67-2		05/24/13 01:28	1
Cyclopentasiloxane, decamethyl-	26	T J N	ug/L		12.16	541-2-6		05/24/13 01:28	1
Cyclohexasiloxane, dodecamethyl-	6.6	T J N	ug/L		14.15	540-97-6		05/24/13 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		78 - 120		05/24/13 01:28	1
Dibromofluoromethane (Surr)	118		77 - 120		05/24/13 01:28	1
1,2-Dichloroethane-d4 (Surr)	121		70 - 127		05/24/13 01:28	1
Toluene-d8 (Surr)	119		80 - 125		05/24/13 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 20:48	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 20:48	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 20:48	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 20:48	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 20:48	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:48	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 20:48	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:48	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 20:48	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 20:48	1
Benzaldehyde	**0.69**	**J**	0.95	0.37	ug/L		05/20/13 08:15	05/22/13 20:48	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 20:48	1

Client Sample ID: EQUIPMENT BLANK 2
Date Collected: 05/14/13 09:10
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 20:48	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 20:48	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 20:48	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 20:48	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 20:48	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 20:48	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 20:48	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 20:48	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 20:48	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 20:48	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 20:48	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 20:48	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 20:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*05/20/13 08:15*	*05/22/13 20:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*20 - 110*	*05/20/13 08:15*	*05/22/13 20:48*	*1*
2-Fluorophenol (Surr)	*54*		*10 - 110*	*05/20/13 08:15*	*05/22/13 20:48*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:48*	*1*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:48*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:48*	*1*
Terphenyl-d14 (Surr)	*44*		*24 - 110*	*05/20/13 08:15*	*05/22/13 20:48*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/16/13 08:16	05/17/13 13:45	1
Antimony	**0.23**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:45	1
Arsenic	**0.093**	**J B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:45	1
Barium	ND		1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:45	1
Beryllium	**0.056**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:45	1
Calcium	ND		1000	27	ug/L		05/16/13 08:16	05/17/13 13:45	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:45	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: EQUIPMENT BLANK 2
Date Collected: 05/14/13 09:10
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-10
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:45	1
Chromium	ND		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:45	1
Copper	**0.42**	**J B**	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:45	1
Iron	ND		100	12	ug/L		05/16/13 08:16	05/17/13 13:45	1
Magnesium	ND		1000	15	ug/L		05/16/13 08:16	05/17/13 13:45	1
Potassium	**12**	**J B**	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:45	1
Manganese	**1.3**	**J B**	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:45	1
Nickel	**0.11**	**J B**	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:45	1
Lead	**0.15**	**J**	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:45	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:45	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:45	1
Zinc	**4.1**	**J B**	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:45	1
Silver	ND		1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:45	1
Sodium	**47**	**J B**	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/22/13 14:39	1
Sulfate	ND		1.0	0.12	mg/L			05/22/13 14:39	1
Ammonia (as N)	**0.056**	**J**	0.20	0.035	mg/L			05/20/13 13:37	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:37	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:09	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/17/13 13:31	05/17/13 15:07	1
Ferrous Iron	ND	HF	0.050	0.018	mg/L			05/15/13 16:58	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 12
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 01:48	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 01:48	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 01:48	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 01:48	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 01:48	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 01:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 01:48	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 01:48	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 01:48	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 01:48	1
Chloroform	**0.18**	**J**	1.0	0.16	ug/L			05/24/13 01:48	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 01:48	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 01:48	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 01:48	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 01:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 01:48	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 01:48	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 01:48	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 01:48	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 01:48	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 01:48	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 01:48	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 01:48	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 01:48	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 01:48	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 01:48	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 01:48	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 01:48	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 01:48	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 01:48	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 01:48	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 01:48	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 01:48	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 01:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 01:48	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 01:48	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 01:48	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 01:48	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 01:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 01:48	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 01:48	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 01:48	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 01:48	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 01:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 01:48	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 01:48	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 01:48	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 12
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-11
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.3	T J	ug/L		4.48			05/24/13 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		78 - 120		05/24/13 01:48	1
Dibromofluoromethane (Surr)	104		77 - 120		05/24/13 01:48	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 127		05/24/13 01:48	1
Toluene-d8 (Surr)	109		80 - 125		05/24/13 01:48	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-11s
Date Collected: 05/14/13 15:35
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 02:08	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 02:08	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 02:08	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 02:08	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 02:08	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 02:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 02:08	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 02:08	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 02:08	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 02:08	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 02:08	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 02:08	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 02:08	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 02:08	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 02:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 02:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 02:08	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 02:08	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 02:08	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 02:08	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 02:08	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 02:08	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 02:08	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 02:08	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 02:08	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 02:08	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 02:08	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 02:08	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 02:08	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 02:08	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 02:08	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 02:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 02:08	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 02:08	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 02:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 02:08	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 02:08	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 02:08	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 02:08	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 02:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 02:08	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 02:08	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 02:08	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 02:08	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 02:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 02:08	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 02:08	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 02:08	1

Client Sample ID: MW-11s
Date Collected: 05/14/13 15:35
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-12
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Dichlorofluoromethane	0.41	J	ug/L		4.91	75-43-4		05/24/13 02:08	1
Unknown	1.4	T J	ug/L		6.43			05/24/13 02:08	1
Cyclotetrasiloxane, octamethyl-	12	T J N	ug/L		10.63	556-67-2		05/24/13 02:08	1
Cyclopentasiloxane, decamethyl-	9.8	T J N	ug/L		12.16	541-2-6		05/24/13 02:08	1
Cyclohexasiloxane, dodecamethyl-	2.3	T J N	ug/L		14.15	540-97-6		05/24/13 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		78 - 120		05/24/13 02:08	1
Dibromofluoromethane (Surr)	113		77 - 120		05/24/13 02:08	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 127		05/24/13 02:08	1
Toluene-d8 (Surr)	114		80 - 125		05/24/13 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 21:11	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 21:11	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 21:11	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 21:11	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 21:11	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:11	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 21:11	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:11	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 21:11	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 21:11	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 21:11	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 21:11	1

Client Sample ID: MW-11s
Date Collected: 05/14/13 15:35
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 21:11	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 21:11	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 21:11	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 21:11	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 21:11	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 21:11	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 21:11	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:11	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 21:11	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:11	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 21:11	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:11	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 21:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Hexadecanoic acid	*1.7*	*T J N*	*ug/L*		*10.23*	*57-10-3*	*05/20/13 08:15*	*05/22/13 21:11*	*1*
Octadecanoic acid	*1.3*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 21:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*36*		*20 - 110*	*05/20/13 08:15*	*05/22/13 21:11*	*1*
2-Fluorophenol (Surr)	*35*		*10 - 110*	*05/20/13 08:15*	*05/22/13 21:11*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:11*	*1*
Nitrobenzene-d5 (Surr)	*38*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:11*	*1*
Phenol-d5 (Surr)	*39*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:11*	*1*
Terphenyl-d14 (Surr)	*32*		*24 - 110*	*05/20/13 08:15*	*05/22/13 21:11*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1500**		50	7.5	ug/L		05/16/13 08:16	05/17/13 13:49	1
Antimony	**1.7**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:49	1
Arsenic	**67**	**B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:49	1
Barium	**380**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:49	1
Beryllium	**0.36**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:49	1
Calcium	**210000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 13:49	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-11s
Date Collected: 05/14/13 15:35
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-12
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.75	J	1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:49	1
Cobalt	210		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:49	1
Chromium	4300		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:49	1
Copper	190	B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:49	1
Iron	290000	B	200	24	ug/L		05/16/13 08:16	05/17/13 16:14	2
Magnesium	38000	B	1000	15	ug/L		05/16/13 08:16	05/17/13 13:49	1
Potassium	3200	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:49	1
Manganese	12000	B	10	0.82	ug/L		05/16/13 08:16	05/17/13 16:14	2
Nickel	1300	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:49	1
Lead	17		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:49	1
Selenium	1.9	J	5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:49	1
Thallium	0.97	J	1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:49	1
Zinc	120	B	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:49	1
Silver	0.094	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:49	1
Sodium	32000	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60		5.0	0.50	mg/L			05/22/13 14:57	5
Sulfate	160		5.0	0.60	mg/L			05/22/13 14:57	5
Ammonia (as N)	0.052	J	0.20	0.035	mg/L			05/20/13 13:37	1
Nitrate Nitrite as N	0.37		0.10	0.014	mg/L			05/28/13 14:39	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:13	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:11	1
Ferrous Iron	0.023	J HF	0.050	0.018	mg/L			05/15/13 17:00	1

Client Sample ID: MW-11i
Date Collected: 05/14/13 16:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 02:28	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 02:28	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 02:28	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 02:28	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 02:28	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 02:28	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 02:28	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 02:28	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 02:28	1
Chloroethane	**7.8**		2.0	0.41	ug/L			05/24/13 02:28	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 02:28	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 02:28	1
cis-1,2-Dichloroethene	**0.89**	**J**	1.0	0.15	ug/L			05/24/13 02:28	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 02:28	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 02:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 02:28	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 02:28	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 02:28	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 02:28	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 02:28	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 02:28	1
1,1-Dichloroethane	**1.5**		1.0	0.22	ug/L			05/24/13 02:28	1
1,2-Dichloroethane	**0.71**	**J**	1.0	0.13	ug/L			05/24/13 02:28	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 02:28	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 02:28	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 02:28	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 02:28	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 02:28	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 02:28	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 02:28	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 02:28	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 02:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 02:28	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 02:28	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 02:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 02:28	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 02:28	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 02:28	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 02:28	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 02:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 02:28	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 02:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 02:28	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 02:28	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 02:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 02:28	1
Vinyl chloride	**2.9**		1.0	0.10	ug/L			05/24/13 02:28	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 02:28	1

Client Sample ID: MW-11i
Date Collected: 05/14/13 16:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-13
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Methane, chlorodifluoro-	2.4	T J N	ug/L		3.97	75-45-6		05/24/13 02:28	1
Unknown	1.4	T J	ug/L		4.04			05/24/13 02:28	1
Unknown	1.3	T J	ug/L		4.46			05/24/13 02:28	1
Ethyl ether	9.8		ug/L		5.15	60-29-7		05/24/13 02:28	1
2-Methyl-2-propanol	29	J	ug/L		5.74	75-65-0		05/24/13 02:28	1
Tetrahydrofuran	9.5		ug/L		6.99	109-99-9		05/24/13 02:28	1
1,4-Dioxane	420		ug/L		8.16	123-91-1		05/24/13 02:28	1
Cyclotetrasiloxane, octamethyl-	10	T J N	ug/L		10.63	556-67-2		05/24/13 02:28	1
Cyclopentasiloxane, decamethyl-	8.1	T J N	ug/L		12.16	541-2-6		05/24/13 02:28	1
Cyclohexasiloxane, dodecamethyl-	1.8	T J N	ug/L		14.15	540-97-6		05/24/13 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		78 - 120		05/24/13 02:28	1
Dibromofluoromethane (Surr)	101		77 - 120		05/24/13 02:28	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 127		05/24/13 02:28	1
Toluene-d8 (Surr)	101		80 - 125		05/24/13 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 21:33	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 21:33	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 21:33	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 21:33	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 21:33	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:33	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 21:33	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:33	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 21:33	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 21:33	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 21:33	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1

Client Sample ID: MW-11i
Date Collected: 05/14/13 16:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 21:33	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 21:33	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 21:33	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 21:33	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 21:33	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 21:33	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 21:33	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 21:33	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:33	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 21:33	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:33	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 21:33	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:33	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 21:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*9.5*	*T J*	*ug/L*		*4.86*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*6.16*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*6.94*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*8.40*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Benzenesulfonamide, 2-methyl-	*3.1*	*T J N*	*ug/L*		*9.09*	*88-19-7*	*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*9.69*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*10.15*		*05/20/13 08:15*	*05/22/13 21:33*	*1*
Octadecanoic acid	*3.7*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 21:33*	*1*
Unknown	*140*	*T J*	*ug/L*		*11.41*		*05/20/13 08:15*	*05/22/13 21:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*20 - 110*	*05/20/13 08:15*	*05/22/13 21:33*	*1*
2-Fluorophenol (Surr)	*58*		*10 - 110*	*05/20/13 08:15*	*05/22/13 21:33*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-11i
Date Collected: 05/14/13 16:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-13
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:33*	*1*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:33*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:33*	*1*
Terphenyl-d14 (Surr)	*43*		*24 - 110*	*05/20/13 08:15*	*05/22/13 21:33*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**25**	**J**	50	7.5	ug/L		05/16/13 08:16	05/17/13 13:53	1
Antimony	**0.21**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:53	1
Arsenic	**2.9**	**J B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:53	1
Barium	**200**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:53	1
Beryllium	**0.058**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:53	1
Calcium	**130000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 13:53	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:53	1
Cobalt	**0.26**	**J**	1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:53	1
Chromium	**1.5**	**J**	2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:53	1
Copper	**0.69**	**J B**	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:53	1
Iron	**5800**	**B**	100	12	ug/L		05/16/13 08:16	05/17/13 13:53	1
Magnesium	**44000**	**B**	1000	15	ug/L		05/16/13 08:16	05/17/13 13:53	1
Potassium	**10000**	**B**	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:53	1
Manganese	**75**	**B**	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:53	1
Nickel	**35**	**B**	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:53	1
Lead	**0.27**	**J**	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:53	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:53	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:53	1
Zinc	**6.3**	**J B**	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:53	1
Silver	ND		1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:53	1
Sodium	**110000**	**B**	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		5.0	0.50	mg/L			05/22/13 15:14	5
Sulfate	**71**		5.0	0.60	mg/L			05/22/13 15:14	5
Ammonia (as N)	**3.2**		0.20	0.035	mg/L			05/20/13 13:37	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:41	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:18	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 07:56	05/22/13 09:43	1
Ferrous Iron	**1.0**	**HF**	0.25	0.090	mg/L			05/15/13 17:06	5

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 14
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 02:47	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 02:47	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 02:47	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 02:47	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 02:47	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 02:47	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 02:47	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 02:47	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 02:47	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 02:47	1
Chloroform	**0.22**	**J**	1.0	0.16	ug/L			05/24/13 02:47	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 02:47	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 02:47	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 02:47	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 02:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 02:47	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 02:47	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 02:47	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 02:47	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 02:47	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 02:47	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 02:47	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 02:47	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 02:47	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 02:47	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 02:47	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 02:47	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 02:47	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 02:47	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 02:47	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 02:47	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 02:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 02:47	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 02:47	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 02:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 02:47	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 02:47	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 02:47	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 02:47	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 02:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 02:47	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 02:47	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 02:47	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 02:47	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 02:47	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 02:47	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 02:47	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 14
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-14
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotetrasiloxane, octamethyl-	1.4	T J N	ug/L		10.63	556-67-2		05/24/13 02:47	1
Cyclopentane, 1,2,3-trimethyl-, (1.alpha	1.6	T J N	ug/L		12.75	2613-69-6		05/24/13 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		78 - 120		05/24/13 02:47	1
Dibromofluoromethane (Surr)	116		77 - 120		05/24/13 02:47	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 127		05/24/13 02:47	1
Toluene-d8 (Surr)	119		80 - 125		05/24/13 02:47	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-21s
Date Collected: 05/14/13 17:02
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 10:27	1
Benzene	**1.5**		1.0	0.16	ug/L			05/24/13 10:27	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 10:27	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 10:27	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 10:27	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 10:27	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 10:27	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 10:27	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 10:27	1
Chloroethane	**17**		2.0	0.41	ug/L			05/24/13 10:27	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 10:27	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 10:27	1
cis-1,2-Dichloroethene	**15**		1.0	0.15	ug/L			05/24/13 10:27	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 10:27	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 10:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 10:27	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 10:27	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 10:27	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 10:27	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 10:27	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 10:27	1
1,1-Dichloroethane	**1.0**		1.0	0.22	ug/L			05/24/13 10:27	1
1,2-Dichloroethane	**6.3**		1.0	0.13	ug/L			05/24/13 10:27	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 10:27	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 10:27	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 10:27	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 10:27	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 10:27	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 10:27	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 10:27	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 10:27	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 10:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 10:27	1
Methyl tert-butyl ether	**0.25**	**J**	5.0	0.25	ug/L			05/24/13 10:27	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 10:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 10:27	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 10:27	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 10:27	1
trans-1,2-Dichloroethene	**0.28**	**J**	1.0	0.15	ug/L			05/24/13 10:27	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 10:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 10:27	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 10:27	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 10:27	1
Trichloroethene	**0.61**	**J**	1.0	0.16	ug/L			05/24/13 10:27	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 10:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 10:27	1
Vinyl chloride	**2.2**		1.0	0.10	ug/L			05/24/13 10:27	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 10:27	1

Client Sample ID: MW-21s
Date Collected: 05/14/13 17:02
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-15
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	24		ug/L		5.06	60-29-7		05/24/13 10:27	1
Isopropyl alcohol	13	J	ug/L		5.31	67-63-0		05/24/13 10:27	1
2-Methyl-2-propanol	43	J	ug/L		5.64	75-65-0		05/24/13 10:27	1
Silanol, trimethyl-	200	T J N	ug/L		6.33	1066-40-6		05/24/13 10:27	1
Tetrahydrofuran	58		ug/L		6.90	109-99-9		05/24/13 10:27	1
1,4-Dioxane	1700	E	ug/L		8.09	123-91-1		05/24/13 10:27	1
Cyclotrisiloxane, hexamethyl-	410	T J N	ug/L		8.87	541-5-9		05/24/13 10:27	1
cis-1,4-Dichloro-2-butene	0.90	J	ug/L		10.58	1476-11-5		05/24/13 10:27	1
Unknown	27	T J	ug/L		12.10			05/24/13 10:27	1
Unknown	13	T J	ug/L		14.11			05/24/13 10:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		78 - 120		05/24/13 10:27	1
Dibromofluoromethane (Surr)	101		77 - 120		05/24/13 10:27	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 127		05/24/13 10:27	1
Toluene-d8 (Surr)	102		80 - 125		05/24/13 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 21:55	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 21:55	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 21:55	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 21:55	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 21:55	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:55	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 21:55	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:55	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 21:55	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 21:55	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 21:55	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-21s
Date Collected: 05/14/13 17:02
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 21:55	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 21:55	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 21:55	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 21:55	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 21:55	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 21:55	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 21:55	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 21:55	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 21:55	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 21:55	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 21:55	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 21:55	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 21:55	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 21:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.2*	*T J*	*ug/L*		*4.87*		*05/20/13 08:15*	*05/22/13 21:55*	*1*
Unknown	*11*	*T J*	*ug/L*		*6.37*		*05/20/13 08:15*	*05/22/13 21:55*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 21:55*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*6.93*		*05/20/13 08:15*	*05/22/13 21:55*	*1*
2(3H)-Benzothiazolone	*4.9*	*T J N*	*ug/L*		*9.30*	*934-34-9*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
n-Hexadecanoic acid	*3.8*	*T J N*	*ug/L*		*10.24*	*57-10-3*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
Octadecanoic acid	*5.1*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
Unknown	*120*	*T J*	*ug/L*		*11.43*		*05/20/13 08:15*	*05/22/13 21:55*	*1*
Unknown	*140*	*T J*	*ug/L*		*11.50*		*05/20/13 08:15*	*05/22/13 21:55*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*17.32*		*05/20/13 08:15*	*05/22/13 21:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*20 - 110*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 110*	*05/20/13 08:15*	*05/22/13 21:55*	*1*

Client Sample ID: MW-21s
Date Collected: 05/14/13 17:02
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-15
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
Phenol-d5 (Surr)	*49*		*21 - 110*	*05/20/13 08:15*	*05/22/13 21:55*	*1*
Terphenyl-d14 (Surr)	*43*		*24 - 110*	*05/20/13 08:15*	*05/22/13 21:55*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**		50	7.5	ug/L		05/16/13 08:16	05/17/13 13:57	1
Antimony	**0.27**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 13:57	1
Arsenic	**4.7**	**B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 13:57	1
Barium	**270**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 13:57	1
Beryllium	**0.086**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 13:57	1
Calcium	**120000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 13:57	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 13:57	1
Cobalt	**2.2**		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 13:57	1
Chromium	**1.7**	**J**	2.0	0.13	ug/L		05/16/13 08:16	05/17/13 13:57	1
Copper	**12**	**B**	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 13:57	1
Iron	**8200**	**B**	100	12	ug/L		05/16/13 08:16	05/17/13 13:57	1
Magnesium	**60000**	**B**	1000	15	ug/L		05/16/13 08:16	05/17/13 13:57	1
Potassium	**25000**	**B**	1000	5.1	ug/L		05/16/13 08:16	05/17/13 13:57	1
Manganese	**560**	**B**	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 13:57	1
Nickel	**58**	**B**	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 13:57	1
Lead	**0.74**	**J**	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 13:57	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 13:57	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 13:57	1
Zinc	**7.1**	**J B**	20	2.1	ug/L		05/16/13 08:16	05/17/13 13:57	1
Silver	**0.0090**	**J B**	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 13:57	1
Sodium	**120000**	**B**	1000	4.2	ug/L		05/16/13 08:16	05/17/13 13:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		5.0	0.50	mg/L			05/22/13 15:32	5
Sulfate	**33**		5.0	0.60	mg/L			05/22/13 15:32	5
Ammonia (as N)	**12**		1.0	0.18	mg/L			05/20/13 13:38	5
Nitrate Nitrite as N	**0.034**	**J**	0.10	0.014	mg/L			05/28/13 14:42	1
Sulfide	**1.2**		1.0	0.67	mg/L			05/16/13 16:22	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 07:56	05/22/13 09:43	1
Ferrous Iron	**2.6**	**HF**	0.25	0.090	mg/L			05/15/13 17:08	5

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-29
Date Collected: 05/14/13 17:47
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		40	7.6	ug/L			05/24/13 12:53	1
Benzene	ND		4.0	0.64	ug/L			05/24/13 12:53	1
Bromoform	ND		4.0	0.76	ug/L			05/24/13 12:53	1
Bromomethane	ND		8.0	0.84	ug/L			05/24/13 12:53	1
2-Butanone (MEK)	ND		24	8.0	ug/L			05/24/13 12:53	1
Carbon disulfide	ND		8.0	1.8	ug/L			05/24/13 12:53	1
Carbon tetrachloride	ND		4.0	0.76	ug/L			05/24/13 12:53	1
Chlorobenzene	ND		4.0	0.68	ug/L			05/24/13 12:53	1
Chlorodibromomethane	ND		4.0	0.68	ug/L			05/24/13 12:53	1
Chloroethane	**18**		8.0	1.6	ug/L			05/24/13 12:53	1
Chloroform	ND		4.0	0.64	ug/L			05/24/13 12:53	1
Chloromethane	ND		8.0	1.2	ug/L			05/24/13 12:53	1
cis-1,2-Dichloroethene	**64**		4.0	0.60	ug/L			05/24/13 12:53	1
cis-1,3-Dichloropropene	ND		4.0	0.64	ug/L			05/24/13 12:53	1
Cyclohexane	ND		8.0	1.1	ug/L			05/24/13 12:53	1
1,2-Dibromo-3-Chloropropane	ND		20	1.9	ug/L			05/24/13 12:53	1
1,2-Dichlorobenzene	ND		4.0	0.60	ug/L			05/24/13 12:53	1
1,3-Dichlorobenzene	ND		4.0	0.52	ug/L			05/24/13 12:53	1
1,4-Dichlorobenzene	ND		4.0	0.64	ug/L			05/24/13 12:53	1
Dichlorobromomethane	ND		4.0	0.68	ug/L			05/24/13 12:53	1
Dichlorodifluoromethane	ND		8.0	1.2	ug/L			05/24/13 12:53	1
1,1-Dichloroethane	**26**		4.0	0.88	ug/L			05/24/13 12:53	1
1,2-Dichloroethane	**19**		4.0	0.52	ug/L			05/24/13 12:53	1
1,1-Dichloroethene	**1.5**	**J**	4.0	0.92	ug/L			05/24/13 12:53	1
1,2-Dichloropropane	ND		4.0	0.72	ug/L			05/24/13 12:53	1
Ethylbenzene	ND		4.0	0.64	ug/L			05/24/13 12:53	1
Ethylene Dibromide	ND		4.0	0.72	ug/L			05/24/13 12:53	1
2-Hexanone	ND		20	6.8	ug/L			05/24/13 12:53	1
Isopropylbenzene	ND		4.0	0.76	ug/L			05/24/13 12:53	1
Methyl acetate	ND		20	6.6	ug/L			05/24/13 12:53	1
Methylcyclohexane	ND		4.0	1.4	ug/L			05/24/13 12:53	1
Methylene Chloride	ND		8.0	1.3	ug/L			05/24/13 12:53	1
4-Methyl-2-pentanone (MIBK)	ND		20	3.9	ug/L			05/24/13 12:53	1
Methyl tert-butyl ether	ND		20	1.0	ug/L			05/24/13 12:53	1
Styrene	ND		4.0	0.68	ug/L			05/24/13 12:53	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/24/13 12:53	1
Tetrachloroethene	ND		4.0	0.80	ug/L			05/24/13 12:53	1
Toluene	ND		4.0	0.68	ug/L			05/24/13 12:53	1
trans-1,2-Dichloroethene	ND		4.0	0.60	ug/L			05/24/13 12:53	1
trans-1,3-Dichloropropene	ND		12	0.76	ug/L			05/24/13 12:53	1
1,2,4-Trichlorobenzene	ND		4.0	0.84	ug/L			05/24/13 12:53	1
1,1,1-Trichloroethane	ND		4.0	0.64	ug/L			05/24/13 12:53	1
1,1,2-Trichloroethane	ND		4.0	1.1	ug/L			05/24/13 12:53	1
Trichloroethene	ND		4.0	0.64	ug/L			05/24/13 12:53	1
Trichlorofluoromethane	ND		8.0	1.2	ug/L			05/24/13 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.7	ug/L			05/24/13 12:53	1
Vinyl chloride	**2.6**	**J**	4.0	0.40	ug/L			05/24/13 12:53	1
Xylenes, Total	ND		8.0	0.76	ug/L			05/24/13 12:53	1

Client Sample ID: MW-29
Date Collected: 05/14/13 17:47
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-16
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	4.9	J	ug/L		5.06	60-29-7		05/24/13 12:53	1
2-Methyl-2-propanol	61	J	ug/L		5.64	75-65-0		05/24/13 12:53	1
Unknown	490	T J	ug/L		6.34			05/24/13 12:53	1
Tetrahydrofuran	13	J	ug/L		6.90	109-99-9		05/24/13 12:53	1
1,4-Dioxane	3300		ug/L		8.09	123-91-1		05/24/13 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		78 - 120		05/24/13 12:53	1
Dibromofluoromethane (Surr)	106		77 - 120		05/24/13 12:53	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 127		05/24/13 12:53	1
Toluene-d8 (Surr)	99		80 - 125		05/24/13 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 22:17	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 22:17	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 22:17	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 22:17	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 22:17	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:17	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 22:17	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:17	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 22:17	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 22:17	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 22:17	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 22:17	1

Client Sample ID: MW-29
Date Collected: 05/14/13 17:47
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Bis(2-ethylhexyl) phthalate	**0.96**	**J**	1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 22:17	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 22:17	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 22:17	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 22:17	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 22:17	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 22:17	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 22:17	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:17	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 22:17	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:17	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 22:17	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:17	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 22:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*4.87*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*6.16*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*19*	*T J*	*ug/L*		*6.95*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*7.15*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*8.25*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*8.40*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Octadecanoic acid	*10*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*69*	*T J*	*ug/L*		*11.41*		*05/20/13 08:15*	*05/22/13 22:17*	*1*
Unknown	*73*	*T J*	*ug/L*		*11.47*		*05/20/13 08:15*	*05/22/13 22:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*20 - 110*	*05/20/13 08:15*	*05/22/13 22:17*	*1*
2-Fluorophenol (Surr)	*56*		*10 - 110*	*05/20/13 08:15*	*05/22/13 22:17*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*21 - 110*	*05/20/13 08:15*	*05/22/13 22:17*	*1*
Nitrobenzene-d5 (Surr)	*56*		*21 - 110*	*05/20/13 08:15*	*05/22/13 22:17*	*1*
Phenol-d5 (Surr)	*58*		*21 - 110*	*05/20/13 08:15*	*05/22/13 22:17*	*1*
Terphenyl-d14 (Surr)	*34*		*24 - 110*	*05/20/13 08:15*	*05/22/13 22:17*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-29
Date Collected: 05/14/13 17:47
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-16
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		50	7.5	ug/L		05/16/13 08:16	05/17/13 14:01	1
Antimony	1.0	J B	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 14:01	1
Arsenic	15	B	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 14:01	1
Barium	190	B	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 14:01	1
Beryllium	0.76	J	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 14:01	1
Calcium	160000	B	1000	27	ug/L		05/16/13 08:16	05/17/13 14:01	1
Cadmium	0.32	J	1.0	0.026	ug/L		05/16/13 08:16	05/17/13 14:01	1
Cobalt	16		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 14:01	1
Chromium	350		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 14:01	1
Copper	81	B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 14:01	1
Iron	35000	B	100	12	ug/L		05/16/13 08:16	05/17/13 14:01	1
Magnesium	52000	B	1000	15	ug/L		05/16/13 08:16	05/17/13 14:01	1
Potassium	13000	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 14:01	1
Manganese	600	B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 14:01	1
Nickel	260	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 14:01	1
Lead	31		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 14:01	1
Selenium	1.9	J	5.0	0.34	ug/L		05/16/13 08:16	05/17/13 14:01	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 14:01	1
Zinc	240	B	20	2.1	ug/L		05/16/13 08:16	05/17/13 14:01	1
Silver	0.11	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 14:01	1
Sodium	150000	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 14:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18	J	0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		5.0	0.50	mg/L			05/22/13 15:49	5
Sulfate	78		5.0	0.60	mg/L			05/22/13 15:49	5
Ammonia (as N)	4.2		0.20	0.035	mg/L			05/20/13 13:38	1
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:44	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:27	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 07:56	05/22/13 09:43	1
Ferrous Iron	1.3	HF	0.25	0.090	mg/L			05/15/13 17:10	5

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 15
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 10:48	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 10:48	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 10:48	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 10:48	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 10:48	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 10:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 10:48	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 10:48	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 10:48	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 10:48	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 10:48	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 10:48	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 10:48	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 10:48	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 10:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 10:48	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 10:48	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 10:48	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 10:48	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 10:48	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 10:48	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 10:48	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 10:48	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 10:48	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 10:48	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 10:48	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 10:48	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 10:48	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 10:48	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 10:48	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 10:48	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 10:48	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 10:48	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 10:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 10:48	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 10:48	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 10:48	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 10:48	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 10:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 10:48	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 10:48	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 10:48	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 10:48	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 10:48	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 10:48	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 10:48	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 15
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-17
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Methylene Chloride	190	T J N	ug/L		5.67	75-9-2		05/24/13 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		78 - 120		05/24/13 10:48	1
Dibromofluoromethane (Surr)	106		77 - 120		05/24/13 10:48	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 127		05/24/13 10:48	1
Toluene-d8 (Surr)	97		80 - 125		05/24/13 10:48	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: FIELD DUPLICATE #3
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 11:09	1
Benzene	**2.0**		1.0	0.16	ug/L			05/24/13 11:09	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 11:09	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 11:09	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 11:09	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 11:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 11:09	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 11:09	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 11:09	1
Chloroethane	**22**		2.0	0.41	ug/L			05/24/13 11:09	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 11:09	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 11:09	1
cis-1,2-Dichloroethene	**20**		1.0	0.15	ug/L			05/24/13 11:09	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 11:09	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 11:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 11:09	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 11:09	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 11:09	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 11:09	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 11:09	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 11:09	1
1,1-Dichloroethane	**1.4**		1.0	0.22	ug/L			05/24/13 11:09	1
1,2-Dichloroethane	**8.7**		1.0	0.13	ug/L			05/24/13 11:09	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 11:09	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 11:09	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 11:09	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 11:09	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 11:09	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 11:09	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 11:09	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 11:09	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 11:09	1
Methyl tert-butyl ether	**0.37**	**J**	5.0	0.25	ug/L			05/24/13 11:09	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 11:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 11:09	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 11:09	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 11:09	1
trans-1,2-Dichloroethene	**0.33**	**J**	1.0	0.15	ug/L			05/24/13 11:09	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 11:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 11:09	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 11:09	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 11:09	1
Trichloroethene	**0.79**	**J**	1.0	0.16	ug/L			05/24/13 11:09	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 11:09	1
Vinyl chloride	**2.8**		1.0	0.10	ug/L			05/24/13 11:09	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 11:09	1

Client Sample ID: FIELD DUPLICATE #3
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-18
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	33		ug/L		5.04	60-29-7		05/24/13 11:09	1
Isopropyl alcohol	21	J	ug/L		5.31	67-63-0		05/24/13 11:09	1
2-Methyl-2-propanol	70		ug/L		5.64	75-65-0		05/24/13 11:09	1
Unknown	190	T J	ug/L		6.33			05/24/13 11:09	1
Tetrahydrofuran	84		ug/L		6.90	109-99-9		05/24/13 11:09	1
1,4-Dioxane	8300	E	ug/L		8.09	123-91-1		05/24/13 11:09	1
Cyclotrisiloxane, hexamethyl-	570	T J N	ug/L		8.87	541-5-9		05/24/13 11:09	1
Cyclotetrasiloxane, octamethyl-	32	T J N	ug/L		10.57	556-67-2		05/24/13 11:09	1
Unknown	17	T J	ug/L		12.10			05/24/13 11:09	1
Unknown	3.5	T J	ug/L		14.10			05/24/13 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	X	78 - 120		05/24/13 11:09	1
Dibromofluoromethane (Surr)	140	X	77 - 120		05/24/13 11:09	1
1,2-Dichloroethane-d4 (Surr)	144	X	70 - 127		05/24/13 11:09	1
Toluene-d8 (Surr)	133	X	80 - 125		05/24/13 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 22:39	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 22:39	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 22:39	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 22:39	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 22:39	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:39	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 22:39	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:39	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 22:39	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 22:39	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 22:39	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1

Client Sample ID: FIELD DUPLICATE #3
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 22:39	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 22:39	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 22:39	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 22:39	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 22:39	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 22:39	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 22:39	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 22:39	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 22:39	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 22:39	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 22:39	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 22:39	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 22:39	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 22:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*11*	*T J*	*ug/L*		*4.86*		*05/20/13 08:15*	*05/22/13 22:39*	*1*
Formamide, N,N-diethyl-	*3.2*	*T J N*	*ug/L*		*5.27*	*617-84-5*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*6.16*		*05/20/13 08:15*	*05/22/13 22:39*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*6.64*		*05/20/13 08:15*	*05/22/13 22:39*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*6.94*		*05/20/13 08:15*	*05/22/13 22:39*	*1*
2H-Azepin-2-one, hexahydro-1-methyl-	*3.1*	*T J N*	*ug/L*		*7.26*	*2556-73-2*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*8.41*		*05/20/13 08:15*	*05/22/13 22:39*	*1*
2(3H)-Benzothiazolone	*24*	*T J N*	*ug/L*		*9.30*	*934-34-9*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
Unknown	*250*	*T J*	*ug/L*		*11.43*		*05/20/13 08:15*	*05/22/13 22:39*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*17.32*		*05/20/13 08:15*	*05/22/13 22:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*20 - 110*	*05/20/13 08:15*	*05/22/13 22:39*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: FIELD DUPLICATE #3
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-18
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*61*		*10 - 110*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*21 - 110*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
Nitrobenzene-d5 (Surr)	*58*		*21 - 110*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*05/20/13 08:15*	*05/22/13 22:39*	*1*
Terphenyl-d14 (Surr)	*45*		*24 - 110*	*05/20/13 08:15*	*05/22/13 22:39*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**86**		50	7.5	ug/L		05/16/13 08:16	05/17/13 14:05	1
Antimony	**0.26**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 14:05	1
Arsenic	**4.7**	**B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 14:05	1
Barium	**280**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 14:05	1
Beryllium	**0.092**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 14:05	1
Calcium	**130000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 14:05	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 14:05	1
Cobalt	**2.2**		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 14:05	1
Chromium	**1.3**	**J**	2.0	0.13	ug/L		05/16/13 08:16	05/17/13 14:05	1
Copper	**14**	**B**	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 14:05	1
Iron	**8200**	**B**	100	12	ug/L		05/16/13 08:16	05/17/13 14:05	1
Magnesium	**62000**	**B**	1000	15	ug/L		05/16/13 08:16	05/17/13 14:05	1
Potassium	**26000**	**B**	1000	5.1	ug/L		05/16/13 08:16	05/17/13 14:05	1
Manganese	**560**	**B**	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 14:05	1
Nickel	**60**	**B**	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 14:05	1
Lead	**0.62**	**J**	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 14:05	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 14:05	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 14:05	1
Zinc	**11**	**J B**	20	2.1	ug/L		05/16/13 08:16	05/17/13 14:05	1
Silver	ND		1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 14:05	1
Sodium	**120000**	**B**	1000	4.2	ug/L		05/16/13 08:16	05/17/13 14:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		5.0	0.50	mg/L			05/22/13 16:06	5
Sulfate	**34**		5.0	0.60	mg/L			05/22/13 16:06	5
Ammonia (as N)	**12**		1.0	0.18	mg/L			05/20/13 13:38	5
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:46	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:31	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 07:56	05/22/13 09:49	1
Ferrous Iron	**1.6**	**HF**	0.25	0.090	mg/L			05/15/13 17:12	5

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-31
Date Collected: 05/14/13 18:51
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 08:42	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 08:42	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 08:42	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 08:42	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 08:42	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 08:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 08:42	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 08:42	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 08:42	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 08:42	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 08:42	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 08:42	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 08:42	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 08:42	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 08:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 08:42	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 08:42	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 08:42	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 08:42	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 08:42	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 08:42	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 08:42	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 08:42	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 08:42	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 08:42	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 08:42	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 08:42	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 08:42	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 08:42	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 08:42	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 08:42	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 08:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 08:42	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 08:42	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 08:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 08:42	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 08:42	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 08:42	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 08:42	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 08:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 08:42	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 08:42	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 08:42	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 08:42	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 08:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 08:42	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 08:42	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 08:42	1

Client Sample ID: MW-31
Date Collected: 05/14/13 18:51
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-19
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	160	T J	ug/L		6.33			05/24/13 08:42	1
Unknown	1.5	T J	ug/L		14.09			05/24/13 08:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		78 - 120		05/24/13 08:42	1
Dibromofluoromethane (Surr)	101		77 - 120		05/24/13 08:42	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 127		05/24/13 08:42	1
Toluene-d8 (Surr)	100		80 - 125		05/24/13 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/20/13 08:15	05/22/13 17:06	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/20/13 08:15	05/22/13 17:06	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 17:06	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/20/13 08:15	05/22/13 17:06	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/20/13 08:15	05/22/13 17:06	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 17:06	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/20/13 08:15	05/22/13 17:06	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 17:06	1
Acenaphthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Acetophenone	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 17:06	1
Anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Atrazine	ND		0.95	0.32	ug/L		05/20/13 08:15	05/22/13 17:06	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/20/13 08:15	05/22/13 17:06	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 17:06	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1

Client Sample ID: MW-31
Date Collected: 05/14/13 18:51
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
Carbazole	ND		0.95	0.27	ug/L		05/20/13 08:15	05/22/13 17:06	1
Chrysene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/20/13 08:15	05/22/13 17:06	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/20/13 08:15	05/22/13 17:06	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/20/13 08:15	05/22/13 17:06	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
Fluoranthene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Fluorene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 17:06	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Isophorone	ND		0.95	0.26	ug/L		05/20/13 08:15	05/22/13 17:06	1
Naphthalene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/20/13 08:15	05/22/13 17:06	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/20/13 08:15	05/22/13 17:06	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/20/13 08:15	05/22/13 17:06	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/20/13 08:15	05/22/13 17:06	1
Phenol	ND		0.95	0.57	ug/L		05/20/13 08:15	05/22/13 17:06	1
Phenanthrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
Pyrene	ND		0.19	0.095	ug/L		05/20/13 08:15	05/22/13 17:06	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/20/13 08:15	05/22/13 17:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.97*	*T J*	*ug/L*		*3.46*		*05/20/13 08:15*	*05/22/13 17:06*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*8.34*		*05/20/13 08:15*	*05/22/13 17:06*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*8.83*		*05/20/13 08:15*	*05/22/13 17:06*	*1*
Octadecanoic acid	*1.6*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 17:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*		*20 - 110*	*05/20/13 08:15*	*05/22/13 17:06*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 110*	*05/20/13 08:15*	*05/22/13 17:06*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*21 - 110*	*05/20/13 08:15*	*05/22/13 17:06*	*1*
Nitrobenzene-d5 (Surr)	*53*		*21 - 110*	*05/20/13 08:15*	*05/22/13 17:06*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*05/20/13 08:15*	*05/22/13 17:06*	*1*
Terphenyl-d14 (Surr)	*39*		*24 - 110*	*05/20/13 08:15*	*05/22/13 17:06*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		50	7.5	ug/L		05/16/13 08:16	05/17/13 12:59	1
Antimony	**0.64**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 12:59	1
Arsenic	**5.9**	**B**	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 12:59	1
Barium	**98**	**B**	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 12:59	1
Beryllium	**0.40**	**J**	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 12:59	1
Calcium	**41000**	**B**	1000	27	ug/L		05/16/13 08:16	05/17/13 12:59	1
Cadmium	**0.33**	**J**	1.0	0.026	ug/L		05/16/13 08:16	05/17/13 12:59	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: MW-31
Date Collected: 05/14/13 18:51
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-19
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.0		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 12:59	1
Chromium	86		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 12:59	1
Copper	30	B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 12:59	1
Iron	11000	B	100	12	ug/L		05/16/13 08:16	05/17/13 12:59	1
Magnesium	8800	B	1000	15	ug/L		05/16/13 08:16	05/17/13 12:59	1
Potassium	4800	B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 12:59	1
Manganese	230	B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 12:59	1
Nickel	54	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 12:59	1
Lead	5.7		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 12:59	1
Selenium	0.57	J	5.0	0.34	ug/L		05/16/13 08:16	05/17/13 12:59	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 12:59	1
Zinc	100	B	20	2.1	ug/L		05/16/13 08:16	05/17/13 12:59	1
Silver	0.10	J B	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 12:59	1
Sodium	7700	B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 12:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18		1.0	0.10	mg/L			05/22/13 16:24	1
Sulfate	21		1.0	0.12	mg/L			05/22/13 16:24	1
Ammonia (as N)	0.066	J	0.20	0.035	mg/L			05/20/13 14:13	1
Nitrate Nitrite as N	0.29		0.10	0.014	mg/L			05/28/13 14:22	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:35	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 07:56	05/22/13 09:43	1
Ferrous Iron	0.15	HF	0.050	0.018	mg/L			05/15/13 17:14	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 16
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 11:30	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 11:30	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 11:30	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 11:30	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 11:30	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 11:30	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 11:30	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 11:30	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 11:30	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 11:30	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 11:30	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 11:30	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 11:30	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 11:30	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 11:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 11:30	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 11:30	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 11:30	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 11:30	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 11:30	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 11:30	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 11:30	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 11:30	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 11:30	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 11:30	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 11:30	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 11:30	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 11:30	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 11:30	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 11:30	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 11:30	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 11:30	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 11:30	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 11:30	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 11:30	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 11:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 11:30	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 11:30	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 11:30	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 11:30	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 11:30	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 11:30	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 11:30	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 16
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-20
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Methylene Chloride	210	T J N	ug/L		5.67	75-9-2		05/24/13 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		78 - 120		05/24/13 11:30	1
Dibromofluoromethane (Surr)	106		77 - 120		05/24/13 11:30	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 127		05/24/13 11:30	1
Toluene-d8 (Surr)	101		80 - 125		05/24/13 11:30	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 17
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 11:50	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 11:50	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 11:50	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 11:50	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 11:50	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 11:50	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 11:50	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 11:50	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 11:50	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 11:50	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 11:50	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 11:50	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 11:50	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 11:50	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 11:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 11:50	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 11:50	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 11:50	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 11:50	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 11:50	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 11:50	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 11:50	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 11:50	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 11:50	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 11:50	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 11:50	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 11:50	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 11:50	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 11:50	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 11:50	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 11:50	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 11:50	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 11:50	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 11:50	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 11:50	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 11:50	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 11:50	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 11:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 11:50	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 11:50	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 11:50	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 11:50	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 11:50	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 11:50	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 11:50	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 17
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-21
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Methylene Chloride	170	T J N	ug/L		5.67	75-9-2		05/24/13 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		78 - 120		05/24/13 11:50	1
Dibromofluoromethane (Surr)	101		77 - 120		05/24/13 11:50	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 127		05/24/13 11:50	1
Toluene-d8 (Surr)	93		80 - 125		05/24/13 11:50	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: EQUIPMENT BLANK 3
Date Collected: 05/14/13 19:20
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		40	7.6	ug/L			05/24/13 12:11	1
Benzene	ND		4.0	0.64	ug/L			05/24/13 12:11	1
Bromoform	ND		4.0	0.76	ug/L			05/24/13 12:11	1
Bromomethane	ND		8.0	0.84	ug/L			05/24/13 12:11	1
2-Butanone (MEK)	ND		24	8.0	ug/L			05/24/13 12:11	1
Carbon disulfide	ND		8.0	1.8	ug/L			05/24/13 12:11	1
Carbon tetrachloride	ND		4.0	0.76	ug/L			05/24/13 12:11	1
Chlorobenzene	ND		4.0	0.68	ug/L			05/24/13 12:11	1
Chlorodibromomethane	ND		4.0	0.68	ug/L			05/24/13 12:11	1
Chloroethane	ND		8.0	1.6	ug/L			05/24/13 12:11	1
Chloroform	ND		4.0	0.64	ug/L			05/24/13 12:11	1
Chloromethane	ND		8.0	1.2	ug/L			05/24/13 12:11	1
cis-1,2-Dichloroethene	ND		4.0	0.60	ug/L			05/24/13 12:11	1
cis-1,3-Dichloropropene	ND		4.0	0.64	ug/L			05/24/13 12:11	1
Cyclohexane	ND		8.0	1.1	ug/L			05/24/13 12:11	1
1,2-Dibromo-3-Chloropropane	ND		20	1.9	ug/L			05/24/13 12:11	1
1,2-Dichlorobenzene	ND		4.0	0.60	ug/L			05/24/13 12:11	1
1,3-Dichlorobenzene	ND		4.0	0.52	ug/L			05/24/13 12:11	1
1,4-Dichlorobenzene	ND		4.0	0.64	ug/L			05/24/13 12:11	1
Dichlorobromomethane	ND		4.0	0.68	ug/L			05/24/13 12:11	1
Dichlorodifluoromethane	ND		8.0	1.2	ug/L			05/24/13 12:11	1
1,1-Dichloroethane	ND		4.0	0.88	ug/L			05/24/13 12:11	1
1,2-Dichloroethane	ND		4.0	0.52	ug/L			05/24/13 12:11	1
1,1-Dichloroethene	ND		4.0	0.92	ug/L			05/24/13 12:11	1
1,2-Dichloropropane	ND		4.0	0.72	ug/L			05/24/13 12:11	1
Ethylbenzene	ND		4.0	0.64	ug/L			05/24/13 12:11	1
Ethylene Dibromide	ND		4.0	0.72	ug/L			05/24/13 12:11	1
2-Hexanone	ND		20	6.8	ug/L			05/24/13 12:11	1
Isopropylbenzene	ND		4.0	0.76	ug/L			05/24/13 12:11	1
Methyl acetate	ND		20	6.6	ug/L			05/24/13 12:11	1
Methylcyclohexane	ND		4.0	1.4	ug/L			05/24/13 12:11	1
Methylene Chloride	ND		8.0	1.3	ug/L			05/24/13 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		20	3.9	ug/L			05/24/13 12:11	1
Methyl tert-butyl ether	ND		20	1.0	ug/L			05/24/13 12:11	1
Styrene	ND		4.0	0.68	ug/L			05/24/13 12:11	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/24/13 12:11	1
Tetrachloroethene	ND		4.0	0.80	ug/L			05/24/13 12:11	1
Toluene	ND		4.0	0.68	ug/L			05/24/13 12:11	1
trans-1,2-Dichloroethene	ND		4.0	0.60	ug/L			05/24/13 12:11	1
trans-1,3-Dichloropropene	ND		12	0.76	ug/L			05/24/13 12:11	1
1,2,4-Trichlorobenzene	ND		4.0	0.84	ug/L			05/24/13 12:11	1
1,1,1-Trichloroethane	ND		4.0	0.64	ug/L			05/24/13 12:11	1
1,1,2-Trichloroethane	ND		4.0	1.1	ug/L			05/24/13 12:11	1
Trichloroethene	ND		4.0	0.64	ug/L			05/24/13 12:11	1
Trichlorofluoromethane	ND		8.0	1.2	ug/L			05/24/13 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.7	ug/L			05/24/13 12:11	1
Vinyl chloride	ND		4.0	0.40	ug/L			05/24/13 12:11	1
Xylenes, Total	ND		8.0	0.76	ug/L			05/24/13 12:11	1

Client Sample ID: EQUIPMENT BLANK 3
Date Collected: 05/14/13 19:20
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-22
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	790	T J	ug/L		6.33			05/24/13 12:11	1
Cyclotrisiloxane, hexamethyl-	64000	T J N	ug/L		8.87	541-5-9		05/24/13 12:11	1
cis-1,4-Dichloro-2-butene	4.5	J	ug/L		10.56	1476-11-5		05/24/13 12:11	1
Unknown	420	T J	ug/L		12.10			05/24/13 12:11	1
Unknown	77	T J	ug/L		14.10			05/24/13 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		78 - 120		05/24/13 12:11	1
Dibromofluoromethane (Surr)	108		77 - 120		05/24/13 12:11	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 127		05/24/13 12:11	1
Toluene-d8 (Surr)	97		80 - 125		05/24/13 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/20/13 08:15	05/22/13 20:26	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/20/13 08:15	05/22/13 20:26	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/20/13 08:15	05/22/13 20:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/20/13 08:15	05/22/13 20:26	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/20/13 08:15	05/22/13 20:26	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 20:26	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/20/13 08:15	05/22/13 20:26	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 20:26	1
Acenaphthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Acetophenone	ND		1.0	0.34	ug/L		05/20/13 08:15	05/22/13 20:26	1
Anthracene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Atrazine	ND		1.0	0.34	ug/L		05/20/13 08:15	05/22/13 20:26	1
Benzaldehyde	**0.74**	**J**	1.0	0.39	ug/L		05/20/13 08:15	05/22/13 20:26	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/20/13 08:15	05/22/13 20:26	1

Client Sample ID: EQUIPMENT BLANK 3
Date Collected: 05/14/13 19:20
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
Caprolactam	ND		5.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
Carbazole	ND		1.0	0.28	ug/L		05/20/13 08:15	05/22/13 20:26	1
Chrysene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/20/13 08:15	05/22/13 20:26	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/20/13 08:15	05/22/13 20:26	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/20/13 08:15	05/22/13 20:26	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
Fluoranthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Fluorene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/20/13 08:15	05/22/13 20:26	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Isophorone	ND		1.0	0.27	ug/L		05/20/13 08:15	05/22/13 20:26	1
Naphthalene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/20/13 08:15	05/22/13 20:26	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 20:26	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/20/13 08:15	05/22/13 20:26	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 20:26	1
Phenol	ND		1.0	0.60	ug/L		05/20/13 08:15	05/22/13 20:26	1
Phenanthrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
Pyrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 20:26	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/20/13 08:15	05/22/13 20:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Octadecanoic acid	*1.2*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*05/20/13 08:15*	*05/22/13 20:26*	*1*
Unknown	*1.1*	*T J*	*ug/L*		*13.49*		*05/20/13 08:15*	*05/22/13 20:26*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*14.60*		*05/20/13 08:15*	*05/22/13 20:26*	*1*
Unknown alkane	*1.3*	*T J*	*ug/L*		*15.72*		*05/20/13 08:15*	*05/22/13 20:26*	*1*
Unknown	*1.4*	*T J*	*ug/L*		*16.34*		*05/20/13 08:15*	*05/22/13 20:26*	*1*
Unknown	*1.2*	*T J*	*ug/L*		*17.04*		*05/20/13 08:15*	*05/22/13 20:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*20 - 110*	*05/20/13 08:15*	*05/22/13 20:26*	*1*
2-Fluorophenol (Surr)	*58*		*10 - 110*	*05/20/13 08:15*	*05/22/13 20:26*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:26*	*1*
Nitrobenzene-d5 (Surr)	*61*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:26*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*05/20/13 08:15*	*05/22/13 20:26*	*1*
Terphenyl-d14 (Surr)	*43*		*24 - 110*	*05/20/13 08:15*	*05/22/13 20:26*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/16/13 08:16	05/17/13 14:08	1
Antimony	**0.16**	**J B**	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 14:08	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: EQUIPMENT BLANK 3
Date Collected: 05/14/13 19:20
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-22
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.13	J B	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 14:08	1
Barium	ND		1.0	0.32	ug/L		05/16/13 08:16	05/17/13 14:08	1
Beryllium	0.049	J	1.0	0.031	ug/L		05/16/13 08:16	05/17/13 14:08	1
Calcium	29	J B	1000	27	ug/L		05/16/13 08:16	05/17/13 14:08	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 14:08	1
Cobalt	0.19	J	1.0	0.020	ug/L		05/16/13 08:16	05/17/13 14:08	1
Chromium	3.7		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 14:08	1
Copper	0.28	J B	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 14:08	1
Iron	ND		100	12	ug/L		05/16/13 08:16	05/17/13 14:08	1
Magnesium	ND		1000	15	ug/L		05/16/13 08:16	05/17/13 14:08	1
Potassium	16	J B	1000	5.1	ug/L		05/16/13 08:16	05/17/13 14:08	1
Manganese	0.75	J B	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 14:08	1
Nickel	9.0	B	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 14:08	1
Lead	0.14	J	1.0	0.14	ug/L		05/16/13 08:16	05/17/13 14:08	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 14:08	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 14:08	1
Zinc	5.5	J B	20	2.1	ug/L		05/16/13 08:16	05/17/13 14:08	1
Silver	ND		1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 14:08	1
Sodium	88	J B	1000	4.2	ug/L		05/16/13 08:16	05/17/13 14:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 18:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/22/13 17:51	1
Sulfate	ND		1.0	0.12	mg/L			05/22/13 17:51	1
Ammonia (as N)	0.061	J	0.20	0.035	mg/L			05/20/13 14:24	1
Nitrate Nitrite as N	0.42		0.10	0.014	mg/L			05/28/13 15:46	1
Sulfide	ND		1.0	0.67	mg/L			05/16/13 16:48	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/23/13 08:57	05/23/13 12:46	1
Ferrous Iron	0.023	J HF	0.050	0.018	mg/L			05/15/13 17:20	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 18
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 12:32	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 12:32	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 12:32	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 12:32	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 12:32	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 12:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 12:32	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 12:32	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 12:32	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 12:32	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 12:32	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 12:32	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 12:32	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 12:32	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 12:32	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 12:32	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 12:32	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 12:32	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 12:32	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 12:32	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 12:32	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 12:32	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 12:32	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 12:32	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 12:32	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 12:32	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 12:32	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 12:32	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 12:32	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 12:32	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 12:32	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 12:32	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 12:32	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 12:32	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 12:32	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 12:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 12:32	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 12:32	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 12:32	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 12:32	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 12:32	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 12:32	1

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Client Sample ID: TRIP BLANK 18
Date Collected: 05/14/13 00:00
Date Received: 05/15/13 09:40

Lab Sample ID: 240-24386-23
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotrisiloxane, hexamethyl-	1200	T J N	ug/L		8.87	541-5-9		05/24/13 12:32	1
Cyclotetrasiloxane, octamethyl-	1.3	T J N	ug/L		10.57	556-67-2		05/24/13 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		78 - 120		05/24/13 12:32	1
Dibromofluoromethane (Surr)	96		77 - 120		05/24/13 12:32	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 127		05/24/13 12:32	1
Toluene-d8 (Surr)	91		80 - 125		05/24/13 12:32	1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(78-120)	(77-120)	(70-127)	(80-125)
240-24386-1	MW-13i NEW	101	108	108	107
240-24386-1 MS	MW-13i NEW	95	104	107	109
240-24386-1 MSD	MW-13i NEW	99	110	114	111
240-24386-2	MW-14i NEW	94	102	103	104
240-24386-3	TRIP BLANK 9	101	109	109	113
240-24386-4	MW-7i	107	117	114	116
240-24386-5	MW-03i	98	108	107	111
240-24386-6	TRIP BLANK 11	98	108	107	110
240-24386-7	MW-01i	103	109	108	107
240-24386-8	MW-01s	101	103	105	105
240-24386-9	TRIP BLANK 13	93	102	101	104
240-24386-10	EQUIPMENT BLANK 2	112	118	121	119
240-24386-11	TRIP BLANK 12	99	104	105	109
240-24386-12	MW-11s	106	113	114	114
240-24386-13	MW-11i	98	101	99	101
240-24386-14	TRIP BLANK 14	111	116	116	119
240-24386-15	MW-21s	102	101	100	102
240-24386-16	MW-29	89	106	107	99
240-24386-17	TRIP BLANK 15	94	106	104	97
240-24386-18	FIELD DUPLICATE #3	139 X	140 X	144 X	133 X
240-24386-19	MW-31	98	101	89	100
240-24386-19 MS	MW-31	88	95	95	100
240-24386-19 MSD	MW-31	91	98	99	101
240-24386-20	TRIP BLANK 16	97	106	105	101
240-24386-21	TRIP BLANK 17	91	101	101	93
240-24386-22	EQUIPMENT BLANK 3	108	108	111	97
240-24386-23	TRIP BLANK 18	86	96	95	91
LCS 280-175753/4	Lab Control Sample	95	99	101	108
LCS 280-175786/5	Lab Control Sample	88	95	92	100
MB 280-175753/5	Method Blank	99	107	105	112
MB 280-175786/6	Method Blank	105	99	94	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)
240-24386-1	MW-13i NEW	52	52	63	52	57	36
240-24386-2	MW-14i NEW	49	51	58	54	53	35
240-24386-4	MW-7i	44	45	54	50	46	38
240-24386-5	MW-03i	57	61	65	60	64	47
240-24386-7	MW-01i	54	59	63	58	62	42

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	2FP	TBP	NBZ	PHL	TPH		
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)		
240-24386-8	MW-01s	48	50	55	51	53	33		
240-24386-10	EQUIPMENT BLANK 2	54	54	53	57	56	44		
240-24386-12	MW-11s	36	35	39	38	39	32		
240-24386-13	MW-11i	52	58	63	57	61	43		
240-24386-15	MW-21s	52	49	63	57	49	43		
240-24386-16	MW-29	48	56	63	56	58	34		
240-24386-18	FIELD DUPLICATE #3	48	61	65	58	62	45		
240-24386-19	MW-31	49	51	52	53	53	39		
240-24386-19 MS	MW-31	56	57	61	57	58	28		
240-24386-19 MSD	MW-31	49	51	56	53	54	30		
240-24386-22	EQUIPMENT BLANK 3	54	58	57	61	61	43		
LCS 240-86513/24-A	Lab Control Sample	65	66	72	68	70	53		
MB 240-86513/23-A	Method Blank	61	64	58	64	66	57		

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 280-175753/5
Matrix: Water
Analysis Batch: 175753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/23/13 19:18	1
Benzene	ND		1.0	0.16	ug/L			05/23/13 19:18	1
Bromoform	ND		1.0	0.19	ug/L			05/23/13 19:18	1
Bromomethane	ND		2.0	0.21	ug/L			05/23/13 19:18	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/23/13 19:18	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/23/13 19:18	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/23/13 19:18	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/23/13 19:18	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/23/13 19:18	1
Chloroethane	ND		2.0	0.41	ug/L			05/23/13 19:18	1
Chloroform	ND		1.0	0.16	ug/L			05/23/13 19:18	1
Chloromethane	ND		2.0	0.30	ug/L			05/23/13 19:18	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 19:18	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/23/13 19:18	1
Cyclohexane	ND		2.0	0.28	ug/L			05/23/13 19:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/23/13 19:18	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/23/13 19:18	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/23/13 19:18	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/23/13 19:18	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/23/13 19:18	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/23/13 19:18	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/23/13 19:18	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/23/13 19:18	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/23/13 19:18	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/23/13 19:18	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/23/13 19:18	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/23/13 19:18	1
2-Hexanone	ND		5.0	1.7	ug/L			05/23/13 19:18	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/23/13 19:18	1
Methyl acetate	ND		5.0	1.6	ug/L			05/23/13 19:18	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/23/13 19:18	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/23/13 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/23/13 19:18	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/23/13 19:18	1
Styrene	ND		1.0	0.17	ug/L			05/23/13 19:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/13 19:18	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/23/13 19:18	1
Toluene	ND		1.0	0.17	ug/L			05/23/13 19:18	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/23/13 19:18	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/23/13 19:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/23/13 19:18	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/23/13 19:18	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/23/13 19:18	1
Trichloroethene	ND		1.0	0.16	ug/L			05/23/13 19:18	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/23/13 19:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/23/13 19:18	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/23/13 19:18	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/23/13 19:18	1

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

Lab Sample ID: MB 280-175753/5
Matrix: Water
Analysis Batch: 175753

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/23/13 19:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		78 - 120		05/23/13 19:18	1
Dibromofluoromethane (Surr)	107		77 - 120		05/23/13 19:18	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 127		05/23/13 19:18	1
Toluene-d8 (Surr)	112		80 - 125		05/23/13 19:18	1

Lab Sample ID: LCS 280-175753/4
Matrix: Water
Analysis Batch: 175753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	21.4		ug/L		107	50 - 156
Benzene	5.00	5.02		ug/L		100	74 - 135
Bromoform	5.00	4.01		ug/L		80	62 - 135
Bromomethane	5.00	5.12		ug/L		102	38 - 150
2-Butanone (MEK)	20.0	15.7		ug/L		79	44 - 150
Carbon disulfide	5.00	5.24		ug/L		105	34 - 150
Carbon tetrachloride	5.00	5.05		ug/L		101	67 - 135
Chlorobenzene	5.00	4.97		ug/L		99	76 - 135
Chlorodibromomethane	5.00	4.20		ug/L		84	68 - 135
Chloroethane	5.00	5.27		ug/L		105	46 - 147
Chloroform	5.00	5.06		ug/L		101	76 - 120
Chloromethane	5.00	4.59		ug/L		92	34 - 145
cis-1,2-Dichloroethene	5.00	5.00		ug/L		100	73 - 135
cis-1,3-Dichloropropene	5.00	4.29		ug/L		86	66 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.01	J	ug/L		80	65 - 150
1,2-Dichlorobenzene	5.00	4.73		ug/L		95	75 - 135
1,3-Dichlorobenzene	5.00	4.96		ug/L		99	74 - 135
1,4-Dichlorobenzene	5.00	4.98		ug/L		100	75 - 135
Dichlorobromomethane	5.00	4.97		ug/L		99	73 - 135
Dichlorodifluoromethane	5.00	2.99		ug/L		60	28 - 152
1,1-Dichloroethane	5.00	5.17		ug/L		103	75 - 135
1,2-Dichloroethane	5.00	4.95		ug/L		99	70 - 135
1,1-Dichloroethene	5.00	4.88		ug/L		98	71 - 136
1,2-Dichloropropane	5.00	4.94		ug/L		99	71 - 120
Ethylbenzene	5.00	4.90		ug/L		98	72 - 120
Ethylene Dibromide	5.00	4.69		ug/L		94	71 - 135
2-Hexanone	20.0	16.4		ug/L		82	47 - 150
Isopropylbenzene	5.00	4.82		ug/L		96	75 - 135
Methylene Chloride	5.00	5.21		ug/L		104	54 - 141
4-Methyl-2-pentanone (MIBK)	20.0	16.8		ug/L		84	53 - 150
Methyl tert-butyl ether	5.00	4.21	J	ug/L		84	46 - 135
m-Xylene & p-Xylene	5.00	5.03		ug/L		101	74 - 135
o-Xylene	5.00	4.93		ug/L		99	73 - 135
Styrene	5.00	4.67		ug/L		93	68 - 135

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

Lab Sample ID: LCS 280-175753/4
Matrix: Water
Analysis Batch: 175753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	5.00	4.65		ug/L		93	66 - 135
Tetrachloroethene	5.00	5.25		ug/L		105	70 - 135
Toluene	5.00	5.26		ug/L		105	73 - 120
trans-1,2-Dichloroethene	5.00	5.35		ug/L		107	75 - 135
trans-1,3-Dichloropropene	5.00	4.75		ug/L		95	68 - 135
1,2,4-Trichlorobenzene	5.00	4.55		ug/L		91	64 - 135
1,1,1-Trichloroethane	5.00	4.94		ug/L		99	70 - 135
1,1,2-Trichloroethane	5.00	4.90		ug/L		98	73 - 135
Trichloroethene	5.00	5.16		ug/L		103	73 - 135
Trichlorofluoromethane	5.00	3.71		ug/L		74	47 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	5.40		ug/L		108	43 - 162
Vinyl chloride	5.00	4.73		ug/L		95	40 - 144
Xylenes, Total	10.0	9.96		ug/L		100	75 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*78 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 127*
Toluene-d8 (Surr)	*108*		*80 - 125*

Lab Sample ID: 240-24386-1 MS
Matrix: Water
Analysis Batch: 175753

Client Sample ID: MW-13i NEW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		20.0	20.7		ug/L		104	50 - 156
Benzene	ND		5.00	4.85		ug/L		97	74 - 135
Bromoform	ND		5.00	4.45		ug/L		89	62 - 135
Bromomethane	ND		5.00	4.77		ug/L		95	38 - 150
2-Butanone (MEK)	ND		20.0	19.3		ug/L		97	44 - 150
Carbon disulfide	ND		5.00	4.89		ug/L		98	34 - 150
Carbon tetrachloride	ND		5.00	4.84		ug/L		97	67 - 135
Chlorobenzene	ND		5.00	4.79		ug/L		96	76 - 135
Chlorodibromomethane	ND		5.00	4.34		ug/L		87	68 - 135
Chloroethane	ND		5.00	4.89		ug/L		98	46 - 147
Chloroform	ND		5.00	4.99		ug/L		100	76 - 120
Chloromethane	ND		5.00	4.03		ug/L		81	34 - 145
cis-1,2-Dichloroethene	ND		5.00	4.67		ug/L		93	73 - 135
cis-1,3-Dichloropropene	ND		5.00	4.14		ug/L		83	66 - 135
1,2-Dibromo-3-Chloropropane	ND		5.00	3.92	J	ug/L		78	65 - 150
1,2-Dichlorobenzene	ND		5.00	4.61		ug/L		92	75 - 135
1,3-Dichlorobenzene	ND		5.00	4.50		ug/L		90	74 - 135
1,4-Dichlorobenzene	ND		5.00	4.68		ug/L		94	75 - 135
Dichlorobromomethane	ND		5.00	4.82		ug/L		96	73 - 135
Dichlorodifluoromethane	ND		5.00	2.74		ug/L		55	28 - 152
1,1-Dichloroethane	ND		5.00	4.85		ug/L		97	75 - 135
1,2-Dichloroethane	ND		5.00	4.93		ug/L		99	70 - 135

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

Lab Sample ID: 240-24386-1 MS
Matrix: Water
Analysis Batch: 175753

Client Sample ID: MW-13i NEW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		5.00	4.54		ug/L		91	71 - 136
1,2-Dichloropropane	ND		5.00	4.63		ug/L		93	71 - 120
Ethylbenzene	ND		5.00	4.69		ug/L		94	72 - 120
Ethylene Dibromide	ND		5.00	4.64		ug/L		93	71 - 135
2-Hexanone	ND		20.0	16.1		ug/L		80	47 - 150
Isopropylbenzene	ND		5.00	4.72		ug/L		94	75 - 135
Methylene Chloride	ND		5.00	4.73		ug/L		95	54 - 141
4-Methyl-2-pentanone (MIBK)	ND		20.0	16.9		ug/L		84	53 - 150
Methyl tert-butyl ether	ND		5.00	4.07	J	ug/L		81	46 - 135
m-Xylene & p-Xylene	ND		5.00	4.71		ug/L		94	74 - 135
o-Xylene	ND		5.00	4.73		ug/L		95	73 - 135
Styrene	ND		5.00	4.43		ug/L		89	68 - 135
1,1,2,2-Tetrachloroethane	ND		5.00	4.51		ug/L		90	66 - 135
Tetrachloroethene	ND		5.00	4.97		ug/L		99	70 - 135
Toluene	ND		5.00	4.89		ug/L		98	73 - 120
trans-1,2-Dichloroethene	ND		5.00	4.97		ug/L		99	75 - 135
trans-1,3-Dichloropropene	ND		5.00	4.67		ug/L		93	68 - 135
1,2,4-Trichlorobenzene	ND		5.00	4.44		ug/L		89	64 - 135
1,1,1-Trichloroethane	ND		5.00	4.75		ug/L		95	70 - 135
1,1,2-Trichloroethane	ND		5.00	4.87		ug/L		97	73 - 135
Trichloroethene	ND		5.00	4.70		ug/L		94	73 - 135
Trichlorofluoromethane	ND		5.00	3.52		ug/L		70	47 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	5.22		ug/L		104	43 - 162
Vinyl chloride	ND		5.00	4.58		ug/L		92	40 - 144
Xylenes, Total	ND		10.0	9.44		ug/L		94	75 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*78 - 120*
Dibromofluoromethane (Surr)	*104*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*
Toluene-d8 (Surr)	*109*		*80 - 125*

Lab Sample ID: 240-24386-1 MSD
Matrix: Water
Analysis Batch: 175753

Client Sample ID: MW-13i NEW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		20.0	23.9		ug/L		119	50 - 156	14	41
Benzene	ND		5.00	5.14		ug/L		103	74 - 135	6	20
Bromoform	ND		5.00	4.66		ug/L		93	62 - 135	5	21
Bromomethane	ND		5.00	4.90		ug/L		98	38 - 150	3	24
2-Butanone (MEK)	ND		20.0	22.6		ug/L		113	44 - 150	16	32
Carbon disulfide	ND		5.00	5.35		ug/L		107	34 - 150	9	20
Carbon tetrachloride	ND		5.00	5.31		ug/L		106	67 - 135	9	21
Chlorobenzene	ND		5.00	5.05		ug/L		101	76 - 135	5	20
Chlorodibromomethane	ND		5.00	4.72		ug/L		94	68 - 135	8	20
Chloroethane	ND		5.00	5.33		ug/L		107	46 - 147	9	25

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

Lab Sample ID: 240-24386-1 MSD
Matrix: Water
Analysis Batch: 175753

Client Sample ID: MW-13i NEW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	ND		5.00	5.34		ug/L		107	76 - 120	7	20
Chloromethane	ND		5.00	4.19		ug/L		84	34 - 145	4	24
cis-1,2-Dichloroethene	ND		5.00	5.08		ug/L		102	73 - 135	8	20
cis-1,3-Dichloropropene	ND		5.00	4.48		ug/L		90	66 - 135	8	20
1,2-Dibromo-3-Chloropropane	ND		5.00	4.66	J	ug/L		93	65 - 150	17	22
1,2-Dichlorobenzene	ND		5.00	5.02		ug/L		100	75 - 135	8	20
1,3-Dichlorobenzene	ND		5.00	5.03		ug/L		101	74 - 135	11	20
1,4-Dichlorobenzene	ND		5.00	5.05		ug/L		101	75 - 135	8	23
Dichlorobromomethane	ND		5.00	5.30		ug/L		106	73 - 135	9	20
Dichlorodifluoromethane	ND		5.00	3.03		ug/L		61	28 - 152	10	24
1,1-Dichloroethane	ND		5.00	5.34		ug/L		107	75 - 135	10	21
1,2-Dichloroethane	ND		5.00	5.57		ug/L		111	70 - 135	12	20
1,1-Dichloroethene	ND		5.00	4.84		ug/L		97	71 - 136	6	20
1,2-Dichloropropane	ND		5.00	5.08		ug/L		102	71 - 120	9	20
Ethylbenzene	ND		5.00	4.95		ug/L		99	72 - 120	5	26
Ethylene Dibromide	ND		5.00	4.98		ug/L		100	71 - 135	7	20
2-Hexanone	ND		20.0	18.4		ug/L		92	47 - 150	14	25
Isopropylbenzene	ND		5.00	4.96		ug/L		99	75 - 135	5	20
Methylene Chloride	ND		5.00	5.35		ug/L		107	54 - 141	12	20
4-Methyl-2-pentanone (MIBK)	ND		20.0	18.7		ug/L		94	53 - 150	10	22
Methyl tert-butyl ether	ND		5.00	4.77	J	ug/L		95	46 - 135	16	21
m-Xylene & p-Xylene	ND		5.00	4.96		ug/L		99	74 - 135	5	20
o-Xylene	ND		5.00	4.90		ug/L		98	73 - 135	4	20
Styrene	ND		5.00	4.64		ug/L		93	68 - 135	5	20
1,1,2,2-Tetrachloroethane	ND		5.00	5.29		ug/L		106	66 - 135	16	20
Tetrachloroethene	ND		5.00	5.22		ug/L		104	70 - 135	5	20
Toluene	ND		5.00	5.25		ug/L		105	73 - 120	7	20
trans-1,2-Dichloroethene	ND		5.00	5.28		ug/L		106	75 - 135	6	24
trans-1,3-Dichloropropene	ND		5.00	5.13		ug/L		103	68 - 135	9	20
1,2,4-Trichlorobenzene	ND		5.00	4.59		ug/L		92	64 - 135	3	25
1,1,1-Trichloroethane	ND		5.00	5.32		ug/L		106	70 - 135	11	20
1,1,2-Trichloroethane	ND		5.00	5.39		ug/L		108	73 - 135	10	21
Trichloroethene	ND		5.00	5.14		ug/L		103	73 - 135	9	20
Trichlorofluoromethane	ND		5.00	3.93		ug/L		79	47 - 150	11	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	5.49		ug/L		110	43 - 162	5	30
Vinyl chloride	ND		5.00	4.91		ug/L		98	40 - 144	7	24
Xylenes, Total	ND		10.0	9.86		ug/L		99	75 - 135	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*78 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 127*
Toluene-d8 (Surr)	*111*		*80 - 125*

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

Lab Sample ID: MB 280-175786/6
Matrix: Water
Analysis Batch: 175786

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 08:21	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 08:21	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 08:21	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 08:21	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 08:21	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 08:21	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 08:21	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 08:21	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 08:21	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 08:21	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 08:21	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 08:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 08:21	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 08:21	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 08:21	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 08:21	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 08:21	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 08:21	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 08:21	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 08:21	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 08:21	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 08:21	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 08:21	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 08:21	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 08:21	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 08:21	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 08:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 08:21	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 08:21	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 08:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 08:21	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 08:21	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 08:21	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 08:21	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 08:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 08:21	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 08:21	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 08:21	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 08:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 08:21	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 08:21	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 08:21	1

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

Lab Sample ID: MB 280-175786/6
Matrix: Water
Analysis Batch: 175786

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotetrasiloxane, octamethyl-	5.07	T J N	ug/L		10.57	556-67-2		05/24/13 08:21	1
Unknown	2.31	T J	ug/L		12.09			05/24/13 08:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		78 - 120		05/24/13 08:21	1
Dibromofluoromethane (Surr)	99		77 - 120		05/24/13 08:21	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 127		05/24/13 08:21	1
Toluene-d8 (Surr)	98		80 - 125		05/24/13 08:21	1

Lab Sample ID: LCS 280-175786/5
Matrix: Water
Analysis Batch: 175786

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.1		ug/L		90	50 - 156
Benzene	5.00	4.50		ug/L		90	74 - 135
Bromoform	5.00	3.39		ug/L		68	62 - 135
Bromomethane	5.00	4.46		ug/L		89	38 - 150
2-Butanone (MEK)	20.0	14.5		ug/L		72	44 - 150
Carbon disulfide	5.00	4.83		ug/L		97	34 - 150
Carbon tetrachloride	5.00	5.37		ug/L		107	67 - 135
Chlorobenzene	5.00	4.48		ug/L		90	76 - 135
Chlorodibromomethane	5.00	4.15		ug/L		83	68 - 135
Chloroethane	5.00	4.47		ug/L		89	46 - 147
Chloroform	5.00	4.60		ug/L		92	76 - 120
Chloromethane	5.00	4.32		ug/L		86	34 - 145
cis-1,2-Dichloroethene	5.00	4.34		ug/L		87	73 - 135
cis-1,3-Dichloropropene	5.00	3.62		ug/L		72	66 - 135
1,2-Dibromo-3-Chloropropane	5.00	3.96	J	ug/L		79	65 - 150
1,2-Dichlorobenzene	5.00	4.39		ug/L		88	75 - 135
1,3-Dichlorobenzene	5.00	4.60		ug/L		92	74 - 135
1,4-Dichlorobenzene	5.00	4.40		ug/L		88	75 - 135
Dichlorobromomethane	5.00	4.12		ug/L		82	73 - 135
Dichlorodifluoromethane	5.00	4.18		ug/L		84	28 - 152
1,1-Dichloroethane	5.00	4.70		ug/L		94	75 - 135
1,2-Dichloroethane	5.00	4.23		ug/L		85	70 - 135
1,1-Dichloroethene	5.00	4.78		ug/L		96	71 - 136
1,2-Dichloropropane	5.00	4.21		ug/L		84	71 - 120
Ethylbenzene	5.00	4.84		ug/L		97	72 - 120
Ethylene Dibromide	5.00	3.93		ug/L		79	71 - 135
2-Hexanone	20.0	13.3		ug/L		67	47 - 150
Isopropylbenzene	5.00	5.02		ug/L		100	75 - 135
Methylene Chloride	5.00	3.98		ug/L		80	54 - 141
4-Methyl-2-pentanone (MIBK)	20.0	13.5		ug/L		68	53 - 150
Methyl tert-butyl ether	5.00	3.87	J	ug/L		77	46 - 135
m-Xylene & p-Xylene	5.00	5.00		ug/L		100	74 - 135
o-Xylene	5.00	4.75		ug/L		95	73 - 135

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

Lab Sample ID: LCS 280-175786/5
Matrix: Water
Analysis Batch: 175786

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	5.00	4.40		ug/L		88	68 - 135
1,1,2,2-Tetrachloroethane	5.00	3.53		ug/L		71	66 - 135
Tetrachloroethene	5.00	5.16		ug/L		103	70 - 135
Toluene	5.00	4.32		ug/L		86	73 - 120
trans-1,2-Dichloroethene	5.00	4.77		ug/L		95	75 - 135
trans-1,3-Dichloropropene	5.00	3.65		ug/L		73	68 - 135
1,2,4-Trichlorobenzene	5.00	4.88		ug/L		98	64 - 135
1,1,1-Trichloroethane	5.00	5.19		ug/L		104	70 - 135
1,1,2-Trichloroethane	5.00	3.74		ug/L		75	73 - 135
Trichloroethene	5.00	4.78		ug/L		96	73 - 135
Trichlorofluoromethane	5.00	5.00		ug/L		100	47 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	6.20		ug/L		124	43 - 162
Vinyl chloride	5.00	4.41		ug/L		88	40 - 144
Xylenes, Total	10.0	9.75		ug/L		98	75 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*78 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*
Toluene-d8 (Surr)	*100*		*80 - 125*

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 175786

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		20.0	18.4		ug/L		92	50 - 156
Benzene	ND		5.00	4.33		ug/L		87	74 - 135
Bromoform	ND		5.00	3.56		ug/L		71	62 - 135
Bromomethane	ND		5.00	4.53		ug/L		91	38 - 150
2-Butanone (MEK)	ND		20.0	16.4		ug/L		82	44 - 150
Carbon disulfide	ND		5.00	4.30		ug/L		86	34 - 150
Carbon tetrachloride	ND		5.00	4.62		ug/L		92	67 - 135
Chlorobenzene	ND		5.00	4.29		ug/L		86	76 - 135
Chlorodibromomethane	ND		5.00	4.19		ug/L		84	68 - 135
Chloroethane	ND		5.00	4.54		ug/L		91	46 - 147
Chloroform	ND		5.00	4.37		ug/L		87	76 - 120
Chloromethane	ND		5.00	4.31		ug/L		86	34 - 145
cis-1,2-Dichloroethene	ND		5.00	4.25		ug/L		85	73 - 135
cis-1,3-Dichloropropene	ND		5.00	3.45		ug/L		69	66 - 135
1,2-Dibromo-3-Chloropropane	ND		5.00	4.11	J	ug/L		82	65 - 150
1,2-Dichlorobenzene	ND		5.00	4.31		ug/L		86	75 - 135
1,3-Dichlorobenzene	ND		5.00	4.38		ug/L		88	74 - 135
1,4-Dichlorobenzene	ND		5.00	4.27		ug/L		85	75 - 135
Dichlorobromomethane	ND		5.00	4.20		ug/L		84	73 - 135
Dichlorodifluoromethane	ND		5.00	4.10		ug/L		82	28 - 152
1,1-Dichloroethane	ND		5.00	4.35		ug/L		87	75 - 135

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

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 175786

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	ND		5.00	4.35		ug/L		87	70 - 135
1,1-Dichloroethene	ND		5.00	4.29		ug/L		86	71 - 136
1,2-Dichloropropane	ND		5.00	4.17		ug/L		83	71 - 120
Ethylbenzene	ND		5.00	4.62		ug/L		92	72 - 120
Ethylene Dibromide	ND		5.00	3.98		ug/L		80	71 - 135
2-Hexanone	ND		20.0	15.4		ug/L		77	47 - 150
Isopropylbenzene	ND		5.00	4.75		ug/L		95	75 - 135
Methylene Chloride	ND		5.00	3.78		ug/L		76	54 - 141
4-Methyl-2-pentanone (MIBK)	ND		20.0	15.5		ug/L		77	53 - 150
Methyl tert-butyl ether	ND		5.00	3.74	J	ug/L		75	46 - 135
m-Xylene & p-Xylene	ND		5.00	4.79		ug/L		96	74 - 135
o-Xylene	ND		5.00	4.70		ug/L		94	73 - 135
Styrene	ND		5.00	4.23		ug/L		85	68 - 135
1,1,2,2-Tetrachloroethane	ND		5.00	3.67		ug/L		73	66 - 135
Tetrachloroethene	ND		5.00	4.75		ug/L		95	70 - 135
Toluene	ND		5.00	4.22		ug/L		84	73 - 120
trans-1,2-Dichloroethene	ND		5.00	4.36		ug/L		87	75 - 135
trans-1,3-Dichloropropene	ND		5.00	3.80		ug/L		76	68 - 135
1,2,4-Trichlorobenzene	ND		5.00	4.54		ug/L		91	64 - 135
1,1,1-Trichloroethane	ND		5.00	4.53		ug/L		91	70 - 135
1,1,2-Trichloroethane	ND		5.00	3.91		ug/L		78	73 - 135
Trichloroethene	ND		5.00	4.42		ug/L		88	73 - 135
Trichlorofluoromethane	ND		5.00	4.84		ug/L		97	47 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	4.94		ug/L		99	43 - 162
Vinyl chloride	ND		5.00	4.34		ug/L		87	40 - 144
Xylenes, Total	ND		10.0	9.50		ug/L		95	75 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*78 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 127*
Toluene-d8 (Surr)	*100*		*80 - 125*

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 175786

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		20.0	20.4		ug/L		102	50 - 156	10	41
Benzene	ND		5.00	4.80		ug/L		96	74 - 135	10	20
Bromoform	ND		5.00	3.95		ug/L		79	62 - 135	11	21
Bromomethane	ND		5.00	4.94		ug/L		99	38 - 150	9	24
2-Butanone (MEK)	ND		20.0	17.8		ug/L		89	44 - 150	8	32
Carbon disulfide	ND		5.00	5.04		ug/L		101	34 - 150	16	20
Carbon tetrachloride	ND		5.00	5.57		ug/L		111	67 - 135	19	21
Chlorobenzene	ND		5.00	4.61		ug/L		92	76 - 135	7	20
Chlorodibromomethane	ND		5.00	4.67		ug/L		93	68 - 135	11	20

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

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 175786

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		5.00	4.86		ug/L		97	46 - 147	7	25
Chloroform	ND		5.00	4.97		ug/L		99	76 - 120	13	20
Chloromethane	ND		5.00	4.81		ug/L		96	34 - 145	11	24
cis-1,2-Dichloroethene	ND		5.00	4.86		ug/L		97	73 - 135	13	20
cis-1,3-Dichloropropene	ND		5.00	4.01		ug/L		80	66 - 135	15	20
1,2-Dibromo-3-Chloropropane	ND		5.00	4.45	J	ug/L		89	65 - 150	8	22
1,2-Dichlorobenzene	ND		5.00	4.78		ug/L		96	75 - 135	10	20
1,3-Dichlorobenzene	ND		5.00	4.78		ug/L		96	74 - 135	9	20
1,4-Dichlorobenzene	ND		5.00	4.62		ug/L		92	75 - 135	8	23
Dichlorobromomethane	ND		5.00	4.72		ug/L		94	73 - 135	12	20
Dichlorodifluoromethane	ND		5.00	4.25		ug/L		85	28 - 152	4	24
1,1-Dichloroethane	ND		5.00	4.98		ug/L		100	75 - 135	14	21
1,2-Dichloroethane	ND		5.00	4.68		ug/L		94	70 - 135	7	20
1,1-Dichloroethene	ND		5.00	5.10		ug/L		102	71 - 136	17	20
1,2-Dichloropropane	ND		5.00	4.47		ug/L		89	71 - 120	7	20
Ethylbenzene	ND		5.00	5.11		ug/L		102	72 - 120	10	26
Ethylene Dibromide	ND		5.00	4.41		ug/L		88	71 - 135	10	20
2-Hexanone	ND		20.0	16.9		ug/L		85	47 - 150	9	25
Isopropylbenzene	ND		5.00	5.57		ug/L		111	75 - 135	16	20
Methylene Chloride	ND		5.00	4.45		ug/L		89	54 - 141	16	20
4-Methyl-2-pentanone (MIBK)	ND		20.0	16.5		ug/L		82	53 - 150	6	22
Methyl tert-butyl ether	ND		5.00	4.61	J	ug/L		92	46 - 135	21	21
m-Xylene & p-Xylene	ND		5.00	5.28		ug/L		106	74 - 135	10	20
o-Xylene	ND		5.00	5.15		ug/L		103	73 - 135	9	20
Styrene	ND		5.00	4.53		ug/L		91	68 - 135	7	20
1,1,2,2-Tetrachloroethane	ND		5.00	4.27		ug/L		85	66 - 135	15	20
Tetrachloroethene	ND		5.00	5.31		ug/L		106	70 - 135	11	20
Toluene	ND		5.00	4.64		ug/L		93	73 - 120	10	20
trans-1,2-Dichloroethene	ND		5.00	5.06		ug/L		101	75 - 135	15	24
trans-1,3-Dichloropropene	ND		5.00	4.38		ug/L		88	68 - 135	14	20
1,2,4-Trichlorobenzene	ND		5.00	4.86		ug/L		97	64 - 135	7	25
1,1,1-Trichloroethane	ND		5.00	5.44		ug/L		109	70 - 135	18	20
1,1,2-Trichloroethane	ND		5.00	4.01		ug/L		80	73 - 135	3	21
Trichloroethene	ND		5.00	5.01		ug/L		100	73 - 135	13	20
Trichlorofluoromethane	ND		5.00	5.00		ug/L		100	47 - 150	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	6.51		ug/L		130	43 - 162	27	30
Vinyl chloride	ND		5.00	4.72		ug/L		94	40 - 144	8	24
Xylenes, Total	ND		10.0	10.4		ug/L		104	75 - 135	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*78 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*
Toluene-d8 (Surr)	*101*		*80 - 125*

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

Lab Sample ID: MB 240-86513/23-A
Matrix: Water
Analysis Batch: 86911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/20/13 08:15	05/22/13 14:08	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/20/13 08:15	05/22/13 14:08	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/20/13 08:15	05/22/13 14:08	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/20/13 08:15	05/22/13 14:08	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/20/13 08:15	05/22/13 14:08	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 14:08	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/20/13 08:15	05/22/13 14:08	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 14:08	1
Acenaphthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Acetophenone	ND		1.0	0.34	ug/L		05/20/13 08:15	05/22/13 14:08	1
Anthracene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Atrazine	ND		1.0	0.34	ug/L		05/20/13 08:15	05/22/13 14:08	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/20/13 08:15	05/22/13 14:08	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/20/13 08:15	05/22/13 14:08	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
Caprolactam	ND		5.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
Carbazole	ND		1.0	0.28	ug/L		05/20/13 08:15	05/22/13 14:08	1
Chrysene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/20/13 08:15	05/22/13 14:08	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/20/13 08:15	05/22/13 14:08	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/20/13 08:15	05/22/13 14:08	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1

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

Lab Sample ID: MB 240-86513/23-A
Matrix: Water
Analysis Batch: 86911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Fluorene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/20/13 08:15	05/22/13 14:08	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Isophorone	ND		1.0	0.27	ug/L		05/20/13 08:15	05/22/13 14:08	1
Naphthalene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/20/13 08:15	05/22/13 14:08	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/20/13 08:15	05/22/13 14:08	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/20/13 08:15	05/22/13 14:08	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/20/13 08:15	05/22/13 14:08	1
Phenol	ND		1.0	0.60	ug/L		05/20/13 08:15	05/22/13 14:08	1
Phenanthrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
Pyrene	ND		0.20	0.10	ug/L		05/20/13 08:15	05/22/13 14:08	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/20/13 08:15	05/22/13 14:08	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
10-Methylnonadecane	*1.15*	*T J N*	*ug/L*		*15.16*	*56862-62-5*	*05/20/13 08:15*	*05/22/13 14:08*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*05/20/13 08:15*	*05/22/13 14:08*	*1*
2-Fluorophenol (Surr)	*64*		*10 - 110*	*05/20/13 08:15*	*05/22/13 14:08*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*21 - 110*	*05/20/13 08:15*	*05/22/13 14:08*	*1*
Nitrobenzene-d5 (Surr)	*64*		*21 - 110*	*05/20/13 08:15*	*05/22/13 14:08*	*1*
Phenol-d5 (Surr)	*66*		*21 - 110*	*05/20/13 08:15*	*05/22/13 14:08*	*1*
Terphenyl-d14 (Surr)	*57*		*24 - 110*	*05/20/13 08:15*	*05/22/13 14:08*	*1*

Lab Sample ID: LCS 240-86513/24-A
Matrix: Water
Analysis Batch: 86911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	13.4		ug/L		67	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	13.7		ug/L		69	37 - 110
2,4,5-Trichlorophenol	20.0	13.9		ug/L		69	48 - 110
2,4,6-Trichlorophenol	20.0	13.8		ug/L		69	45 - 110
2,4-Dichlorophenol	20.0	13.7		ug/L		68	41 - 110
2,4-Dimethylphenol	20.0	10.4		ug/L		52	32 - 110
2,4-Dinitrophenol	40.0	18.0		ug/L		45	10 - 110
2,4-Dinitrotoluene	20.0	15.8		ug/L		79	53 - 110
2-Chloronaphthalene	20.0	12.8		ug/L		64	43 - 110
2-Chlorophenol	20.0	14.6		ug/L		73	29 - 110
2-Methylnaphthalene	20.0	12.5		ug/L		63	45 - 110
2-Methylphenol	20.0	13.7		ug/L		69	42 - 110
2-Nitroaniline	20.0	14.5		ug/L		72	54 - 110

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

Lab Sample ID: LCS 240-86513/24-A
Matrix: Water
Analysis Batch: 86911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	20.0	14.0		ug/L		70	40 - 110
3,3'-Dichlorobenzidine	40.0	22.6		ug/L		56	22 - 110
3-Nitroaniline	20.0	15.0		ug/L		75	53 - 110
4,6-Dinitro-2-methylphenol	40.0	23.2		ug/L		58	31 - 110
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		68	45 - 110
4-Chloro-3-methylphenol	20.0	14.0		ug/L		70	52 - 110
4-Chloroaniline	20.0	14.1		ug/L		70	44 - 110
4-Chlorophenyl phenyl ether	20.0	14.1		ug/L		71	47 - 110
4-Nitroaniline	20.0	14.8		ug/L		74	54 - 110
4-Nitrophenol	40.0	28.9		ug/L		72	33 - 112
Acenaphthene	20.0	14.2		ug/L		71	47 - 110
Acenaphthylene	20.0	13.7		ug/L		68	49 - 110
Anthracene	20.0	14.4		ug/L		72	52 - 110
Benzo[a]anthracene	20.0	14.5		ug/L		72	52 - 110
Benzo[a]pyrene	20.0	14.3		ug/L		72	44 - 110
Benzo[b]fluoranthene	20.0	14.0		ug/L		70	48 - 110
Benzo[g,h,i]perylene	20.0	14.1		ug/L		70	50 - 110
Benzo[k]fluoranthene	20.0	16.1		ug/L		81	49 - 110
Bis(2-chloroethoxy)methane	20.0	14.0		ug/L		70	43 - 110
Bis(2-chloroethyl)ether	20.0	14.5		ug/L		73	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.0		ug/L		75	39 - 116
Butyl benzyl phthalate	20.0	15.2		ug/L		76	55 - 110
Caprolactam	40.0	32.0		ug/L		80	45 - 111
Carbazole	20.0	14.5		ug/L		73	55 - 110
Chrysene	20.0	15.0		ug/L		75	55 - 110
Dibenz(a,h)anthracene	20.0	12.0		ug/L		60	49 - 110
Dibenzofuran	20.0	14.1		ug/L		70	51 - 110
Diethyl phthalate	20.0	15.3		ug/L		77	58 - 110
Dimethyl phthalate	20.0	15.0		ug/L		75	57 - 110
Di-n-butyl phthalate	20.0	15.3		ug/L		76	57 - 110
Di-n-octyl phthalate	20.0	13.2		ug/L		66	40 - 110
Fluoranthene	20.0	14.7		ug/L		73	54 - 110
Fluorene	20.0	14.3		ug/L		72	52 - 110
Hexachlorobenzene	20.0	13.6		ug/L		68	50 - 110
Hexachlorobutadiene	20.0	8.63		ug/L		43	33 - 110
Hexachlorocyclopentadiene	20.0	3.36	J	ug/L		17	10 - 110
Hexachloroethane	20.0	8.50		ug/L		43	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	12.2		ug/L		61	50 - 110
Isophorone	20.0	13.9		ug/L		70	49 - 110
Naphthalene	20.0	12.1		ug/L		61	44 - 110
N-Nitrosodi-n-propylamine	20.0	14.2		ug/L		71	47 - 110
N-Nitrosodiphenylamine	40.0	28.2		ug/L		71	50 - 110
Pentachlorophenol	40.0	23.1		ug/L		58	18 - 110
Phenol	20.0	14.4		ug/L		72	33 - 110
Phenanthrene	20.0	14.5		ug/L		73	53 - 110
Pyrene	20.0	15.0		ug/L		75	52 - 110
3 & 4 Methylphenol	20.0	14.1		ug/L		71	44 - 110

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

Lab Sample ID: LCS 240-86513/24-A
Matrix: Water
Analysis Batch: 86911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86513

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*65*		*20 - 110*
2-Fluorophenol (Surr)	*66*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*72*		*21 - 110*
Nitrobenzene-d5 (Surr)	*68*		*21 - 110*
Phenol-d5 (Surr)	*70*		*21 - 110*
Terphenyl-d14 (Surr)	*53*		*24 - 110*

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 86911

Client Sample ID: MW-31
Prep Type: Total/NA
Prep Batch: 86513

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	ND		19.0	10.4		ug/L		54	34 - 110
2,2'-oxybis[1-chloropropane]	ND		19.0	10.7		ug/L		56	10 - 145
2,4,5-Trichlorophenol	ND		19.0	11.7		ug/L		61	36 - 110
2,4,6-Trichlorophenol	ND		19.0	11.5		ug/L		60	33 - 110
2,4-Dichlorophenol	ND		19.0	11.5		ug/L		60	28 - 110
2,4-Dimethylphenol	ND		19.0	10.1		ug/L		53	15 - 110
2,4-Dinitrophenol	ND		38.1	16.9		ug/L		44	10 - 124
2,4-Dinitrotoluene	ND		19.0	12.4		ug/L		65	37 - 110
2-Chloronaphthalene	ND		19.0	10.4		ug/L		54	28 - 110
2-Chlorophenol	ND		19.0	11.7		ug/L		61	20 - 110
2-Methylnaphthalene	ND		19.0	10.5		ug/L		55	32 - 110
2-Methylphenol	ND		19.0	11.2		ug/L		59	27 - 110
2-Nitroaniline	ND		19.0	11.6		ug/L		61	38 - 110
2-Nitrophenol	ND		19.0	11.2		ug/L		59	26 - 110
3,3'-Dichlorobenzidine	ND		38.1	11.1		ug/L		29	10 - 110
3-Nitroaniline	ND		19.0	12.0		ug/L		63	22 - 110
4,6-Dinitro-2-methylphenol	ND		38.1	19.1		ug/L		50	10 - 110
4-Bromophenyl phenyl ether	ND		19.0	9.88		ug/L		52	26 - 110
4-Chloro-3-methylphenol	ND		19.0	11.8		ug/L		62	38 - 110
4-Chloroaniline	ND		19.0	11.4		ug/L		60	15 - 110
4-Chlorophenyl phenyl ether	ND		19.0	10.5		ug/L		55	30 - 110
4-Nitroaniline	ND		19.0	11.4		ug/L		60	18 - 110
4-Nitrophenol	ND		38.1	23.6		ug/L		62	16 - 111
Acenaphthene	ND		19.0	10.8		ug/L		57	35 - 110
Acenaphthylene	ND		19.0	10.8		ug/L		57	33 - 110
Anthracene	ND		19.0	9.82		ug/L		52	26 - 110
Benzo[a]anthracene	ND		19.0	9.95		ug/L		52	16 - 110
Benzo[a]pyrene	ND		19.0	9.58		ug/L		50	10 - 110
Benzo[b]fluoranthene	ND		19.0	10.2		ug/L		53	10 - 110
Benzo[g,h,i]perylene	ND		19.0	9.46		ug/L		50	10 - 110
Benzo[k]fluoranthene	ND		19.0	10.6		ug/L		55	10 - 110
Bis(2-chloroethoxy)methane	ND		19.0	11.5		ug/L		60	27 - 110
Bis(2-chloroethyl)ether	ND		19.0	11.6		ug/L		61	24 - 110
Bis(2-ethylhexyl) phthalate	ND		19.0	10.5		ug/L		55	10 - 112
Butyl benzyl phthalate	ND		19.0	10.6		ug/L		56	31 - 110
Caprolactam	ND		38.1	26.7		ug/L		70	10 - 199

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

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 86911

Client Sample ID: MW-31
Prep Type: Total/NA
Prep Batch: 86513

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	ND		19.0	11.3		ug/L		59	28 - 110
Chrysene	ND		19.0	10.2		ug/L		53	17 - 110
Dibenz(a,h)anthracene	ND		19.0	7.82		ug/L		41	10 - 111
Dibenzofuran	ND		19.0	10.9		ug/L		57	36 - 110
Diethyl phthalate	ND		19.0	12.2		ug/L		64	42 - 110
Dimethyl phthalate	ND		19.0	12.1		ug/L		64	42 - 110
Di-n-butyl phthalate	ND		19.0	10.5		ug/L		55	35 - 110
Di-n-octyl phthalate	ND		19.0	9.03		ug/L		47	10 - 118
Fluoranthene	ND		19.0	10.2		ug/L		54	31 - 110
Fluorene	ND		19.0	10.8		ug/L		56	36 - 110
Hexachlorobenzene	ND		19.0	9.41		ug/L		49	23 - 110
Hexachlorobutadiene	ND		19.0	7.06		ug/L		37	15 - 110
Hexachlorocyclopentadiene	ND		19.0	3.20	J	ug/L		17	10 - 110
Hexachloroethane	ND		19.0	6.80		ug/L		36	10 - 122
Indeno[1,2,3-cd]pyrene	ND		19.0	8.01		ug/L		42	10 - 110
Isophorone	ND		19.0	11.3		ug/L		59	33 - 110
Naphthalene	ND		19.0	10.1		ug/L		53	28 - 110
N-Nitrosodi-n-propylamine	ND		19.0	11.4		ug/L		60	32 - 110
N-Nitrosodiphenylamine	ND		38.1	17.9		ug/L		47	10 - 110
Pentachlorophenol	ND		38.1	19.3		ug/L		51	10 - 123
Phenol	ND		19.0	11.6		ug/L		61	25 - 110
Phenanthrene	ND		19.0	10.3		ug/L		54	34 - 110
Pyrene	ND		19.0	10.5		ug/L		55	32 - 110
3 & 4 Methylphenol	ND		19.0	11.6		ug/L		61	31 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*		*20 - 110*
2-Fluorophenol (Surr)	*57*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*61*		*21 - 110*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*
Phenol-d5 (Surr)	*58*		*21 - 110*
Terphenyl-d14 (Surr)	*28*		*24 - 110*

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 86911

Client Sample ID: MW-31
Prep Type: Total/NA
Prep Batch: 86513

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	ND		19.0	8.63		ug/L		45	34 - 110	18	31
2,2'-oxybis[1-chloropropane]	ND		19.0	9.85		ug/L		52	10 - 145	9	43
2,4,5-Trichlorophenol	ND		19.0	10.9		ug/L		57	36 - 110	7	60
2,4,6-Trichlorophenol	ND		19.0	10.8		ug/L		57	33 - 110	7	63
2,4-Dichlorophenol	ND		19.0	10.8		ug/L		57	28 - 110	6	69
2,4-Dimethylphenol	ND		19.0	9.87		ug/L		52	15 - 110	2	36
2,4-Dinitrophenol	ND		38.1	15.7		ug/L		41	10 - 124	7	70
2,4-Dinitrotoluene	ND		19.0	11.2		ug/L		59	37 - 110	10	56
2-Chloronaphthalene	ND		19.0	8.52		ug/L		45	28 - 110	19	37
2-Chlorophenol	ND		19.0	10.6		ug/L		56	20 - 110	9	70

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

Lab Sample ID: 240-24386-19 MSD — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86911 — **Prep Batch: 86513**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		19.0	8.76		ug/L		46	32 - 110	18	33
2-Methylphenol	ND		19.0	10.5		ug/L		55	27 - 110	6	42
2-Nitroaniline	ND		19.0	11.2		ug/L		59	38 - 110	4	32
2-Nitrophenol	ND		19.0	10.7		ug/L		56	26 - 110	4	64
3,3'-Dichlorobenzidine	ND		38.1	9.54		ug/L		25	10 - 110	15	99
3-Nitroaniline	ND		19.0	11.2		ug/L		59	22 - 110	7	69
4,6-Dinitro-2-methylphenol	ND		38.1	19.5		ug/L		51	10 - 110	2	93
4-Bromophenyl phenyl ether	ND		19.0	7.88		ug/L		41	26 - 110	23	35
4-Chloro-3-methylphenol	ND		19.0	11.4		ug/L		60	38 - 110	3	35
4-Chloroaniline	ND		19.0	10.6		ug/L		56	15 - 110	7	73
4-Chlorophenyl phenyl ether	ND		19.0	8.38		ug/L		44	30 - 110	22	36
4-Nitroaniline	ND		19.0	11.2		ug/L		59	18 - 110	2	60
4-Nitrophenol	ND		38.1	22.8		ug/L		60	16 - 111	3	65
Acenaphthene	ND		19.0	8.89		ug/L		47	35 - 110	19	30
Acenaphthylene	ND		19.0	8.85		ug/L		46	33 - 110	20	30
Anthracene	ND		19.0	8.03		ug/L		42	26 - 110	20	37
Benzo[a]anthracene	ND		19.0	7.82		ug/L		41	16 - 110	24	30
Benzo[a]pyrene	ND		19.0	7.61		ug/L		40	10 - 110	23	60
Benzo[b]fluoranthene	ND		19.0	7.54		ug/L		40	10 - 110	30	45
Benzo[g,h,i]perylene	ND		19.0	7.29		ug/L		38	10 - 110	26	60
Benzo[k]fluoranthene	ND		19.0	8.67		ug/L		46	10 - 110	20	48
Bis(2-chloroethoxy)methane	ND		19.0	10.7		ug/L		56	27 - 110	7	33
Bis(2-chloroethyl)ether	ND		19.0	10.4		ug/L		54	24 - 110	11	42
Bis(2-ethylhexyl) phthalate	ND		19.0	8.46		ug/L		44	10 - 112	22	71
Butyl benzyl phthalate	ND		19.0	8.51		ug/L		45	31 - 110	22	37
Caprolactam	ND		38.1	26.2		ug/L		69	10 - 199	2	99
Carbazole	ND		19.0	9.91		ug/L		52	28 - 110	13	30
Chrysene	ND		19.0	7.62		ug/L		40	17 - 110	29	30
Dibenz(a,h)anthracene	ND		19.0	6.06		ug/L		32	10 - 111	25	63
Dibenzofuran	ND		19.0	8.94		ug/L		47	36 - 110	20	30
Diethyl phthalate	ND		19.0	11.3		ug/L		59	42 - 110	8	30
Dimethyl phthalate	ND		19.0	11.6		ug/L		61	42 - 110	5	30
Di-n-butyl phthalate	ND		19.0	8.89		ug/L		47	35 - 110	17	37
Di-n-octyl phthalate	ND		19.0	7.12		ug/L		37	10 - 118	24	92
Fluoranthene	ND		19.0	8.15		ug/L		43	31 - 110	23	30
Fluorene	ND		19.0	8.69		ug/L		46	36 - 110	21	30
Hexachlorobenzene	ND		19.0	7.50		ug/L		39	23 - 110	23	30
Hexachlorobutadiene	ND		19.0	6.03		ug/L		32	15 - 110	16	49
Hexachlorocyclopentadiene	ND		19.0	3.33	J	ug/L		17	10 - 110	4	99
Hexachloroethane	ND		19.0	6.30		ug/L		33	10 - 122	8	44
Indeno[1,2,3-cd]pyrene	ND		19.0	6.34		ug/L		33	10 - 110	23	58
Isophorone	ND		19.0	10.6		ug/L		56	33 - 110	6	31
Naphthalene	ND		19.0	8.93		ug/L		47	28 - 110	12	80
N-Nitrosodi-n-propylamine	ND		19.0	10.6		ug/L		56	32 - 110	7	32
N-Nitrosodiphenylamine	ND		38.1	15.3		ug/L		40	10 - 110	15	38
Pentachlorophenol	ND		38.1	18.5		ug/L		49	10 - 123	4	76
Phenol	ND		19.0	10.8		ug/L		57	25 - 110	7	74
Phenanthrene	ND		19.0	8.37		ug/L		44	34 - 110	21	30

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

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 86911

Client Sample ID: MW-31
Prep Type: Total/NA
Prep Batch: 86513

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	ND		19.0	8.35		ug/L		44	32 - 110	23	30
3 & 4 Methylphenol	ND		19.0	10.9		ug/L		57	31 - 110	6	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*49*		*20 - 110*
2-Fluorophenol (Surr)	*51*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*56*		*21 - 110*
Nitrobenzene-d5 (Surr)	*53*		*21 - 110*
Phenol-d5 (Surr)	*54*		*21 - 110*
Terphenyl-d14 (Surr)	*30*		*24 - 110*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-86111/1-A
Matrix: Water
Analysis Batch: 86518

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 86111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		50	7.5	ug/L		05/16/13 08:16	05/17/13 12:52	1
Antimony	0.298	J	2.0	0.11	ug/L		05/16/13 08:16	05/17/13 12:52	1
Arsenic	0.0710	J	3.0	0.063	ug/L		05/16/13 08:16	05/17/13 12:52	1
Barium	0.636	J	1.0	0.32	ug/L		05/16/13 08:16	05/17/13 12:52	1
Beryllium	ND		1.0	0.031	ug/L		05/16/13 08:16	05/17/13 12:52	1
Calcium	200	J	1000	27	ug/L		05/16/13 08:16	05/17/13 12:52	1
Cadmium	ND		1.0	0.026	ug/L		05/16/13 08:16	05/17/13 12:52	1
Cobalt	ND		1.0	0.020	ug/L		05/16/13 08:16	05/17/13 12:52	1
Chromium	ND		2.0	0.13	ug/L		05/16/13 08:16	05/17/13 12:52	1
Copper	0.603	J	2.0	0.24	ug/L		05/16/13 08:16	05/17/13 12:52	1
Iron	55.1	J	100	12	ug/L		05/16/13 08:16	05/17/13 12:52	1
Magnesium	45.3	J	1000	15	ug/L		05/16/13 08:16	05/17/13 12:52	1
Potassium	12.8	J	1000	5.1	ug/L		05/16/13 08:16	05/17/13 12:52	1
Manganese	0.422	J	5.0	0.41	ug/L		05/16/13 08:16	05/17/13 12:52	1
Nickel	0.125	J	2.0	0.088	ug/L		05/16/13 08:16	05/17/13 12:52	1
Lead	ND		1.0	0.14	ug/L		05/16/13 08:16	05/17/13 12:52	1
Selenium	ND		5.0	0.34	ug/L		05/16/13 08:16	05/17/13 12:52	1
Thallium	ND		1.0	0.40	ug/L		05/16/13 08:16	05/17/13 12:52	1
Zinc	24.5		20	2.1	ug/L		05/16/13 08:16	05/17/13 12:52	1
Silver	0.0560	J	1.0	0.0083	ug/L		05/16/13 08:16	05/17/13 12:52	1
Sodium	51.4	J	1000	4.2	ug/L		05/16/13 08:16	05/17/13 12:52	1

Lab Sample ID: LCS 240-86111/2-A
Matrix: Water
Analysis Batch: 86518

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	8500		ug/L		85	80 - 120
Antimony	100	93.1		ug/L		93	80 - 120
Arsenic	1000	862		ug/L		86	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-86111/2-A
Matrix: Water
Analysis Batch: 86518

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1000	922		ug/L		92	80 - 120
Beryllium	1000	909		ug/L		91	80 - 120
Calcium	10000	8900		ug/L		89	80 - 120
Cadmium	1000	962		ug/L		96	80 - 120
Cobalt	1000	964		ug/L		96	80 - 120
Chromium	1000	928		ug/L		93	80 - 120
Copper	1000	983		ug/L		98	80 - 120
Iron	10000	9420		ug/L		94	80 - 120
Magnesium	10000	9220		ug/L		92	80 - 120
Potassium	10000	9000		ug/L		90	80 - 120
Manganese	1000	948		ug/L		95	80 - 120
Nickel	1000	961		ug/L		96	80 - 120
Lead	1000	872		ug/L		87	80 - 120
Selenium	1000	878		ug/L		88	80 - 120
Thallium	250	215		ug/L		86	80 - 120
Zinc	1000	1010		ug/L		101	80 - 120
Silver	100	94.5		ug/L		94	80 - 120
Sodium	10000	9120		ug/L		91	80 - 120

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 86518

Client Sample ID: MW-31
Prep Type: Total Recoverable
Prep Batch: 86111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5400		10000	14400		ug/L		90	63 - 128
Antimony	0.64	J B	100	93.7		ug/L		93	44 - 153
Arsenic	5.9	B	1000	870		ug/L		86	82 - 123
Barium	98	B	1000	1040		ug/L		94	45 - 144
Beryllium	0.40	J	1000	902		ug/L		90	77 - 124
Calcium	41000	B	10000	49400	4	ug/L		80	70 - 130
Cadmium	0.33	J	1000	963		ug/L		96	78 - 117
Cobalt	5.0		1000	947		ug/L		94	67 - 114
Chromium	86		1000	984		ug/L		90	72 - 110
Copper	30	B	1000	970		ug/L		94	60 - 123
Iron	11000	B	10000	19500		ug/L		87	22 - 169
Magnesium	8800	B	10000	17500		ug/L		87	70 - 130
Potassium	4800	B	10000	13400		ug/L		85	70 - 130
Manganese	230	B	1000	1140		ug/L		91	10 - 172
Nickel	54	B	1000	977		ug/L		92	72 - 111
Lead	5.7		1000	875		ug/L		87	73 - 115
Selenium	0.57	J	1000	862		ug/L		86	72 - 148
Thallium	ND		250	216		ug/L		86	69 - 117
Zinc	100	B	1000	1040		ug/L		94	49 - 156
Silver	0.10	J B	100	94.6		ug/L		95	10 - 139
Sodium	7700	B	10000	16400		ug/L		87	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-24386-19 MSD — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 86518 — **Prep Batch: 86111**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	5400		10000	15200		ug/L		97	63 - 128	5	20
Antimony	0.64	J B	100	96.3		ug/L		96	44 - 153	3	20
Arsenic	5.9	B	1000	892		ug/L		89	82 - 123	3	20
Barium	98	B	1000	1060		ug/L		96	45 - 144	2	20
Beryllium	0.40	J	1000	931		ug/L		93	77 - 124	3	20
Calcium	41000	B	10000	49900	4	ug/L		85	70 - 130	1	20
Cadmium	0.33	J	1000	986		ug/L		99	78 - 117	2	20
Cobalt	5.0		1000	968		ug/L		96	67 - 114	2	20
Chromium	86		1000	1010		ug/L		92	72 - 110	3	20
Copper	30	B	1000	999		ug/L		97	60 - 123	3	20
Iron	11000	B	10000	20100		ug/L		92	22 - 169	3	20
Magnesium	8800	B	10000	17800		ug/L		90	70 - 130	2	20
Potassium	4800	B	10000	13900		ug/L		91	70 - 130	4	20
Manganese	230	B	1000	1160		ug/L		93	10 - 172	2	20
Nickel	54	B	1000	999		ug/L		95	72 - 111	2	20
Lead	5.7		1000	909		ug/L		90	73 - 115	4	20
Selenium	0.57	J	1000	883		ug/L		88	72 - 148	2	20
Thallium	ND		250	224		ug/L		90	69 - 117	4	20
Zinc	100	B	1000	1070		ug/L		97	49 - 156	3	20
Silver	0.10	J B	100	96.7		ug/L		97	10 - 139	2	20
Sodium	7700	B	10000	16700		ug/L		90	80 - 120	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-86113/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86587 — **Prep Batch: 86113**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/16/13 15:45	05/20/13 17:52	1

Lab Sample ID: LCS 240-86113/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86587 — **Prep Batch: 86113**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.80		ug/L		96	81 - 123

Lab Sample ID: 240-24386-19 MS — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86587 — **Prep Batch: 86113**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	1.11		ug/L		111	69 - 134

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 240-24386-19 MSD — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86587 — **Prep Batch: 86113**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	1.14		ug/L		114	69 - 134	3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-86943/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/22/13 10:53	1
Sulfate	ND		1.0	0.12	mg/L			05/22/13 10:53	1

Lab Sample ID: LCS 240-86943/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.8		mg/L		100	90 - 110
Sulfate	50.0	47.4		mg/L		95	90 - 110

Lab Sample ID: 240-24386-19 MS — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	18		50.0	72.8		mg/L		110	80 - 120
Sulfate	21		50.0	74.1		mg/L		106	80 - 120

Lab Sample ID: 240-24386-19 MSD — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86943

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18		50.0	74.1		mg/L		112	80 - 120	2	20
Sulfate	21		50.0	74.9		mg/L		107	80 - 120	1	20

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-86434/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.20	0.035	mg/L			05/17/13 13:05	1

Method: 350.3 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 240-86434/8
Matrix: Water
Analysis Batch: 86434

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	8.04		mg/L		90	85 - 114

Lab Sample ID: MB 240-86623/7
Matrix: Water
Analysis Batch: 86623

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.20	0.035	mg/L			05/20/13 10:50	1

Lab Sample ID: LCS 240-86623/8
Matrix: Water
Analysis Batch: 86623

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	6.86	6.56		mg/L		96	85 - 114

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 86623

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	0.066	J	2.50	2.87		mg/L		112	75 - 125

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 86623

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	0.066	J	2.50	2.82		mg/L		110	75 - 125	2	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 180-73102/16
Matrix: Water
Analysis Batch: 73102

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 13:54	1

Lab Sample ID: MB 180-73102/52
Matrix: Water
Analysis Batch: 73102

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:54	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 180-73102/15
Matrix: Water
Analysis Batch: 73102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	4.00	4.14		mg/L		103	90 - 110

Lab Sample ID: LCS 180-73102/51
Matrix: Water
Analysis Batch: 73102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	4.00	4.25		mg/L		106	90 - 110

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 73102

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.29		2.00	2.38		mg/L		105	90 - 110

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 73102

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.29		2.00	2.37		mg/L		104	90 - 110	0	20

Method: 376.1 - Sulfide

Lab Sample ID: MB 240-86240/1
Matrix: Water
Analysis Batch: 86240

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			05/16/13 15:26	1

Lab Sample ID: LCS 240-86240/2
Matrix: Water
Analysis Batch: 86240

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	17.0	17.0		mg/L		100	79 - 110

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 86240

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND		17.0	16.9		mg/L		99	75 - 110

Method: 376.1 - Sulfide (Continued)

Lab Sample ID: 240-24386-19 MSD — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND		17.0	17.4		mg/L		102	75 - 110	3	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-86382/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86424 — **Prep Batch: 86382**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/17/13 13:31	05/17/13 15:07	1

Lab Sample ID: LCS 240-86382/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86424 — **Prep Batch: 86382**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0566		mg/L		109	69 - 118

Lab Sample ID: 240-24386-10 MS — **Client Sample ID: EQUIPMENT BLANK 2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86424 — **Prep Batch: 86382**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.0400	0.0431		mg/L		108	42 - 140

Lab Sample ID: 240-24386-10 MSD — **Client Sample ID: EQUIPMENT BLANK 2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86424 — **Prep Batch: 86382**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		0.0400	0.0431		mg/L		108	42 - 140	0	20

Lab Sample ID: MB 240-86796/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86835 — **Prep Batch: 86796**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/21/13 13:34	05/21/13 15:05	1

Lab Sample ID: LCS 240-86796/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86835 — **Prep Batch: 86796**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0540		mg/L		104	69 - 118

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: MB 240-86868/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86935 — **Prep Batch: 86868**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 07:56	05/22/13 09:43	1

Lab Sample ID: LCS 240-86868/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86935 — **Prep Batch: 86868**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0497		mg/L		96	69 - 118

Lab Sample ID: 240-24386-19 MS — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86935 — **Prep Batch: 86868**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.0400	0.0369		mg/L		92	42 - 140

Lab Sample ID: 240-24386-19 MSD — **Client Sample ID: MW-31**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86935 — **Prep Batch: 86868**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		0.0400	0.0410		mg/L		102	42 - 140	11	20

Lab Sample ID: MRL 240-86935/6 MRL — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 86935

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0100	0.00883	J	mg/L		88	70 - 130

Lab Sample ID: MB 240-87063/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 87186 — **Prep Batch: 87063**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/23/13 08:57	05/23/13 12:52	1

Lab Sample ID: LCS 240-87063/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 87186 — **Prep Batch: 87063**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0521		mg/L		100	69 - 118

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Method: SM 3500 FE D - Iron, Ferrous

Lab Sample ID: MB 240-86067/3
Matrix: Water
Analysis Batch: 86067

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.050	0.018	mg/L			05/15/13 16:42	1

Lab Sample ID: LCS 240-86067/4
Matrix: Water
Analysis Batch: 86067

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	1.00	1.04		mg/L		104	86 - 117

Lab Sample ID: 240-24386-19 MS
Matrix: Water
Analysis Batch: 86067

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.15	HF	1.00	1.14	HF	mg/L		99	10 - 163

Lab Sample ID: 240-24386-19 MSD
Matrix: Water
Analysis Batch: 86067

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ferrous Iron	0.15	HF	1.00	1.17	HF	mg/L		102	10 - 163	3	25

GC/MS VOA

Analysis Batch: 175753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	8260B	
240-24386-1 MS	MW-13i NEW	Total/NA	Water	8260B	
240-24386-1 MSD	MW-13i NEW	Total/NA	Water	8260B	
240-24386-2	MW-14i NEW	Total/NA	Water	8260B	
240-24386-3	TRIP BLANK 9	Total/NA	Water	8260B	
240-24386-4	MW-7i	Total/NA	Water	8260B	
240-24386-5	MW-03i	Total/NA	Water	8260B	
240-24386-6	TRIP BLANK 11	Total/NA	Water	8260B	
240-24386-7	MW-01i	Total/NA	Water	8260B	
240-24386-8	MW-01s	Total/NA	Water	8260B	
240-24386-9	TRIP BLANK 13	Total/NA	Water	8260B	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	8260B	
240-24386-11	TRIP BLANK 12	Total/NA	Water	8260B	
240-24386-12	MW-11s	Total/NA	Water	8260B	
240-24386-13	MW-11i	Total/NA	Water	8260B	
240-24386-14	TRIP BLANK 14	Total/NA	Water	8260B	
LCS 280-175753/4	Lab Control Sample	Total/NA	Water	8260B	
MB 280-175753/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 175786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-15	MW-21s	Total/NA	Water	8260B	
240-24386-16	MW-29	Total/NA	Water	8260B	
240-24386-17	TRIP BLANK 15	Total/NA	Water	8260B	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	8260B	
240-24386-19	MW-31	Total/NA	Water	8260B	
240-24386-19 MS	MW-31	Total/NA	Water	8260B	
240-24386-19 MSD	MW-31	Total/NA	Water	8260B	
240-24386-20	TRIP BLANK 16	Total/NA	Water	8260B	
240-24386-21	TRIP BLANK 17	Total/NA	Water	8260B	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	8260B	
240-24386-23	TRIP BLANK 18	Total/NA	Water	8260B	
LCS 280-175786/5	Lab Control Sample	Total/NA	Water	8260B	
MB 280-175786/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 86513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	3520C	
240-24386-2	MW-14i NEW	Total/NA	Water	3520C	
240-24386-4	MW-7i	Total/NA	Water	3520C	
240-24386-5	MW-03i	Total/NA	Water	3520C	
240-24386-7	MW-01i	Total/NA	Water	3520C	
240-24386-8	MW-01s	Total/NA	Water	3520C	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	3520C	
240-24386-12	MW-11s	Total/NA	Water	3520C	
240-24386-13	MW-11i	Total/NA	Water	3520C	
240-24386-15	MW-21s	Total/NA	Water	3520C	
240-24386-16	MW-29	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 86513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	3520C	
240-24386-19	MW-31	Total/NA	Water	3520C	
240-24386-19 MS	MW-31	Total/NA	Water	3520C	
240-24386-19 MSD	MW-31	Total/NA	Water	3520C	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	3520C	
LCS 240-86513/24-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-86513/23-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 86911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	8270C	86513
240-24386-2	MW-14i NEW	Total/NA	Water	8270C	86513
240-24386-4	MW-7i	Total/NA	Water	8270C	86513
240-24386-5	MW-03i	Total/NA	Water	8270C	86513
240-24386-7	MW-01i	Total/NA	Water	8270C	86513
240-24386-8	MW-01s	Total/NA	Water	8270C	86513
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	8270C	86513
240-24386-12	MW-11s	Total/NA	Water	8270C	86513
240-24386-13	MW-11i	Total/NA	Water	8270C	86513
240-24386-15	MW-21s	Total/NA	Water	8270C	86513
240-24386-16	MW-29	Total/NA	Water	8270C	86513
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	8270C	86513
240-24386-19	MW-31	Total/NA	Water	8270C	86513
240-24386-19 MS	MW-31	Total/NA	Water	8270C	86513
240-24386-19 MSD	MW-31	Total/NA	Water	8270C	86513
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	8270C	86513
LCS 240-86513/24-A	Lab Control Sample	Total/NA	Water	8270C	86513
MB 240-86513/23-A	Method Blank	Total/NA	Water	8270C	86513

Metals

Prep Batch: 86111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total Recoverable	Water	3005A	
240-24386-2	MW-14i NEW	Total Recoverable	Water	3005A	
240-24386-4	MW-7i	Total Recoverable	Water	3005A	
240-24386-5	MW-03i	Total Recoverable	Water	3005A	
240-24386-7	MW-01i	Total Recoverable	Water	3005A	
240-24386-8	MW-01s	Total Recoverable	Water	3005A	
240-24386-10	EQUIPMENT BLANK 2	Total Recoverable	Water	3005A	
240-24386-12	MW-11s	Total Recoverable	Water	3005A	
240-24386-13	MW-11i	Total Recoverable	Water	3005A	
240-24386-15	MW-21s	Total Recoverable	Water	3005A	
240-24386-16	MW-29	Total Recoverable	Water	3005A	
240-24386-18	FIELD DUPLICATE #3	Total Recoverable	Water	3005A	
240-24386-19	MW-31	Total Recoverable	Water	3005A	
240-24386-19 MS	MW-31	Total Recoverable	Water	3005A	
240-24386-19 MSD	MW-31	Total Recoverable	Water	3005A	
240-24386-22	EQUIPMENT BLANK 3	Total Recoverable	Water	3005A	
LCS 240-86111/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 86111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-86111/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 86113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	7470A	
240-24386-2	MW-14i NEW	Total/NA	Water	7470A	
240-24386-4	MW-7i	Total/NA	Water	7470A	
240-24386-5	MW-03i	Total/NA	Water	7470A	
240-24386-7	MW-01i	Total/NA	Water	7470A	
240-24386-8	MW-01s	Total/NA	Water	7470A	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	7470A	
240-24386-12	MW-11s	Total/NA	Water	7470A	
240-24386-13	MW-11i	Total/NA	Water	7470A	
240-24386-15	MW-21s	Total/NA	Water	7470A	
240-24386-16	MW-29	Total/NA	Water	7470A	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	7470A	
240-24386-19	MW-31	Total/NA	Water	7470A	
240-24386-19 MS	MW-31	Total/NA	Water	7470A	
240-24386-19 MSD	MW-31	Total/NA	Water	7470A	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	7470A	
LCS 240-86113/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-86113/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 86518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total Recoverable	Water	6020	86111
240-24386-2	MW-14i NEW	Total Recoverable	Water	6020	86111
240-24386-4	MW-7i	Total Recoverable	Water	6020	86111
240-24386-5	MW-03i	Total Recoverable	Water	6020	86111
240-24386-7	MW-01i	Total Recoverable	Water	6020	86111
240-24386-8	MW-01s	Total Recoverable	Water	6020	86111
240-24386-10	EQUIPMENT BLANK 2	Total Recoverable	Water	6020	86111
240-24386-12	MW-11s	Total Recoverable	Water	6020	86111
240-24386-12	MW-11s	Total Recoverable	Water	6020	86111
240-24386-13	MW-11i	Total Recoverable	Water	6020	86111
240-24386-15	MW-21s	Total Recoverable	Water	6020	86111
240-24386-16	MW-29	Total Recoverable	Water	6020	86111
240-24386-18	FIELD DUPLICATE #3	Total Recoverable	Water	6020	86111
240-24386-19	MW-31	Total Recoverable	Water	6020	86111
240-24386-19 MS	MW-31	Total Recoverable	Water	6020	86111
240-24386-19 MSD	MW-31	Total Recoverable	Water	6020	86111
240-24386-22	EQUIPMENT BLANK 3	Total Recoverable	Water	6020	86111
LCS 240-86111/2-A	Lab Control Sample	Total Recoverable	Water	6020	86111
MB 240-86111/1-A	Method Blank	Total Recoverable	Water	6020	86111

Analysis Batch: 86587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	7470A	86113
240-24386-2	MW-14i NEW	Total/NA	Water	7470A	86113
240-24386-4	MW-7i	Total/NA	Water	7470A	86113
240-24386-5	MW-03i	Total/NA	Water	7470A	86113

Metals (Continued)

Analysis Batch: 86587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-7	MW-01i	Total/NA	Water	7470A	86113
240-24386-8	MW-01s	Total/NA	Water	7470A	86113
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	7470A	86113
240-24386-12	MW-11s	Total/NA	Water	7470A	86113
240-24386-13	MW-11i	Total/NA	Water	7470A	86113
240-24386-15	MW-21s	Total/NA	Water	7470A	86113
240-24386-16	MW-29	Total/NA	Water	7470A	86113
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	7470A	86113
240-24386-19	MW-31	Total/NA	Water	7470A	86113
240-24386-19 MS	MW-31	Total/NA	Water	7470A	86113
240-24386-19 MSD	MW-31	Total/NA	Water	7470A	86113
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	7470A	86113
LCS 240-86113/2-A	Lab Control Sample	Total/NA	Water	7470A	86113
MB 240-86113/1-A	Method Blank	Total/NA	Water	7470A	86113

General Chemistry

Analysis Batch: 73102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	353.2	
240-24386-2	MW-14i NEW	Total/NA	Water	353.2	
240-24386-4	MW-7i	Total/NA	Water	353.2	
240-24386-5	MW-03i	Total/NA	Water	353.2	
240-24386-7	MW-01i	Total/NA	Water	353.2	
240-24386-8	MW-01s	Total/NA	Water	353.2	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	353.2	
240-24386-12	MW-11s	Total/NA	Water	353.2	
240-24386-13	MW-11i	Total/NA	Water	353.2	
240-24386-15	MW-21s	Total/NA	Water	353.2	
240-24386-16	MW-29	Total/NA	Water	353.2	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	353.2	
240-24386-19	MW-31	Total/NA	Water	353.2	
240-24386-19 MS	MW-31	Total/NA	Water	353.2	
240-24386-19 MSD	MW-31	Total/NA	Water	353.2	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	353.2	
LCS 180-73102/15	Lab Control Sample	Total/NA	Water	353.2	
LCS 180-73102/51	Lab Control Sample	Total/NA	Water	353.2	
MB 180-73102/16	Method Blank	Total/NA	Water	353.2	
MB 180-73102/52	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 86067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	SM 3500 FE D	
240-24386-2	MW-14i NEW	Total/NA	Water	SM 3500 FE D	
240-24386-4	MW-7i	Total/NA	Water	SM 3500 FE D	
240-24386-5	MW-03i	Total/NA	Water	SM 3500 FE D	
240-24386-7	MW-01i	Total/NA	Water	SM 3500 FE D	
240-24386-8	MW-01s	Total/NA	Water	SM 3500 FE D	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	SM 3500 FE D	
240-24386-12	MW-11s	Total/NA	Water	SM 3500 FE D	

General Chemistry (Continued)

Analysis Batch: 86067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-13	MW-11i	Total/NA	Water	SM 3500 FE D	
240-24386-15	MW-21s	Total/NA	Water	SM 3500 FE D	
240-24386-16	MW-29	Total/NA	Water	SM 3500 FE D	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	SM 3500 FE D	
240-24386-19	MW-31	Total/NA	Water	SM 3500 FE D	
240-24386-19 MS	MW-31	Total/NA	Water	SM 3500 FE D	
240-24386-19 MSD	MW-31	Total/NA	Water	SM 3500 FE D	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	SM 3500 FE D	
LCS 240-86067/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MB 240-86067/3	Method Blank	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 86240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	376.1	
240-24386-2	MW-14i NEW	Total/NA	Water	376.1	
240-24386-4	MW-7i	Total/NA	Water	376.1	
240-24386-5	MW-03i	Total/NA	Water	376.1	
240-24386-7	MW-01i	Total/NA	Water	376.1	
240-24386-8	MW-01s	Total/NA	Water	376.1	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	376.1	
240-24386-12	MW-11s	Total/NA	Water	376.1	
240-24386-13	MW-11i	Total/NA	Water	376.1	
240-24386-15	MW-21s	Total/NA	Water	376.1	
240-24386-16	MW-29	Total/NA	Water	376.1	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	376.1	
240-24386-19	MW-31	Total/NA	Water	376.1	
240-24386-19 MS	MW-31	Total/NA	Water	376.1	
240-24386-19 MSD	MW-31	Total/NA	Water	376.1	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	376.1	
LCS 240-86240/2	Lab Control Sample	Total/NA	Water	376.1	
MB 240-86240/1	Method Blank	Total/NA	Water	376.1	

Prep Batch: 86382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	9012A	
240-24386-10 MS	EQUIPMENT BLANK 2	Total/NA	Water	9012A	
240-24386-10 MSD	EQUIPMENT BLANK 2	Total/NA	Water	9012A	
LCS 240-86382/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-86382/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 86424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	9012A	86382
240-24386-10 MS	EQUIPMENT BLANK 2	Total/NA	Water	9012A	86382
240-24386-10 MSD	EQUIPMENT BLANK 2	Total/NA	Water	9012A	86382
LCS 240-86382/2-A	Lab Control Sample	Total/NA	Water	9012A	86382
MB 240-86382/1-A	Method Blank	Total/NA	Water	9012A	86382

Analysis Batch: 86434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	350.3	

General Chemistry (Continued)

Analysis Batch: 86434 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-2	MW-14i NEW	Total/NA	Water	350.3	
LCS 240-86434/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-86434/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 86623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-4	MW-7i	Total/NA	Water	350.3	
240-24386-5	MW-03i	Total/NA	Water	350.3	
240-24386-7	MW-01i	Total/NA	Water	350.3	
240-24386-8	MW-01s	Total/NA	Water	350.3	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	350.3	
240-24386-12	MW-11s	Total/NA	Water	350.3	
240-24386-13	MW-11i	Total/NA	Water	350.3	
240-24386-15	MW-21s	Total/NA	Water	350.3	
240-24386-16	MW-29	Total/NA	Water	350.3	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	350.3	
240-24386-19	MW-31	Total/NA	Water	350.3	
240-24386-19 MS	MW-31	Total/NA	Water	350.3	
240-24386-19 MSD	MW-31	Total/NA	Water	350.3	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	350.3	
LCS 240-86623/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-86623/7	Method Blank	Total/NA	Water	350.3	

Prep Batch: 86796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	9012A	
240-24386-2	MW-14i NEW	Total/NA	Water	9012A	
240-24386-4	MW-7i	Total/NA	Water	9012A	
240-24386-5	MW-03i	Total/NA	Water	9012A	
240-24386-7	MW-01i	Total/NA	Water	9012A	
240-24386-8	MW-01s	Total/NA	Water	9012A	
240-24386-12	MW-11s	Total/NA	Water	9012A	
LCS 240-86796/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-86796/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 86835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	9012A	86796
240-24386-2	MW-14i NEW	Total/NA	Water	9012A	86796
240-24386-4	MW-7i	Total/NA	Water	9012A	86796
240-24386-5	MW-03i	Total/NA	Water	9012A	86796
240-24386-7	MW-01i	Total/NA	Water	9012A	86796
240-24386-8	MW-01s	Total/NA	Water	9012A	86796
240-24386-12	MW-11s	Total/NA	Water	9012A	86796
LCS 240-86796/2-A	Lab Control Sample	Total/NA	Water	9012A	86796
MB 240-86796/1-A	Method Blank	Total/NA	Water	9012A	86796

Prep Batch: 86868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-13	MW-11i	Total/NA	Water	9012A	
240-24386-15	MW-21s	Total/NA	Water	9012A	

General Chemistry (Continued)

Prep Batch: 86868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-16	MW-29	Total/NA	Water	9012A	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	9012A	
240-24386-19	MW-31	Total/NA	Water	9012A	
240-24386-19 MS	MW-31	Total/NA	Water	9012A	
240-24386-19 MSD	MW-31	Total/NA	Water	9012A	
LCS 240-86868/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-86868/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 86935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-13	MW-11i	Total/NA	Water	9012A	86868
240-24386-15	MW-21s	Total/NA	Water	9012A	86868
240-24386-16	MW-29	Total/NA	Water	9012A	86868
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	9012A	86868
240-24386-19	MW-31	Total/NA	Water	9012A	86868
240-24386-19 MS	MW-31	Total/NA	Water	9012A	86868
240-24386-19 MSD	MW-31	Total/NA	Water	9012A	86868
LCS 240-86868/2-A	Lab Control Sample	Total/NA	Water	9012A	86868
MB 240-86868/1-A	Method Blank	Total/NA	Water	9012A	86868
MRL 240-86935/6 MRL	Lab Control Sample	Total/NA	Water	9012A	

Analysis Batch: 86943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-1	MW-13i NEW	Total/NA	Water	300.0	
240-24386-2	MW-14i NEW	Total/NA	Water	300.0	
240-24386-4	MW-7i	Total/NA	Water	300.0	
240-24386-5	MW-03i	Total/NA	Water	300.0	
240-24386-7	MW-01i	Total/NA	Water	300.0	
240-24386-8	MW-01s	Total/NA	Water	300.0	
240-24386-10	EQUIPMENT BLANK 2	Total/NA	Water	300.0	
240-24386-12	MW-11s	Total/NA	Water	300.0	
240-24386-13	MW-11i	Total/NA	Water	300.0	
240-24386-15	MW-21s	Total/NA	Water	300.0	
240-24386-16	MW-29	Total/NA	Water	300.0	
240-24386-18	FIELD DUPLICATE #3	Total/NA	Water	300.0	
240-24386-19	MW-31	Total/NA	Water	300.0	
240-24386-19 MS	MW-31	Total/NA	Water	300.0	
240-24386-19 MSD	MW-31	Total/NA	Water	300.0	
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	300.0	
LCS 240-86943/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-86943/3	Method Blank	Total/NA	Water	300.0	

Prep Batch: 87063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	9012A	
LCS 240-87063/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-87063/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 87186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24386-22	EQUIPMENT BLANK 3	Total/NA	Water	9012A	87063

General Chemistry (Continued)

Analysis Batch: 87186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-87063/2-A	Lab Control Sample	Total/NA	Water	9012A	87063
MB 240-87063/1-A	Method Blank	Total/NA	Water	9012A	87063

Client Sample ID: MW-13i NEW

Lab Sample ID: 240-24386-1

Date Collected: 05/14/13 07:45

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/23/13 21:49	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 18:13	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:15	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:02	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:17	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 16:46	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 15:43	BW	TAL CAN
Total/NA	Analysis	350.3		2	86434	05/17/13 16:44	JB	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:05	BW	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 12:20	AM	TAL CAN

Client Sample ID: MW-14i NEW

Lab Sample ID: 240-24386-2

Date Collected: 05/14/13 08:41

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/23/13 22:49	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 18:35	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:19	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:07	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:19	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 16:48	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 15:47	BW	TAL CAN
Total/NA	Analysis	350.3		1	86434	05/17/13 16:56	JB	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:11	BW	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 12:38	AM	TAL CAN

Client Sample ID: TRIP BLANK 9

Lab Sample ID: 240-24386-3

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/23/13 23:09	TW	TAL DEN

Client Sample ID: MW-7i

Lab Sample ID: 240-24386-4

Date Collected: 05/14/13 10:01

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/23/13 23:29	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 18:57	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:22	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:10	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:21	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 16:50	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 15:52	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:11	BW	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 12:55	AM	TAL CAN

Client Sample ID: MW-03i

Lab Sample ID: 240-24386-5

Date Collected: 05/14/13 10:30

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/23/13 23:49	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 19:20	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:26	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:11	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:27	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 16:52	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 15:56	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:11	BW	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 13:12	AM	TAL CAN

Client Sample ID: TRIP BLANK 11

Lab Sample ID: 240-24386-6

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 00:09	TW	TAL DEN

Client Sample ID: MW-01i

Lab Sample ID: 240-24386-7

Date Collected: 05/14/13 11:40

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 00:28	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 19:42	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:38	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:13	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:29	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 16:54	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:00	BW	TAL CAN
Total/NA	Analysis	350.3		2	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:11	BW	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 13:30	AM	TAL CAN

Client Sample ID: MW-01s

Lab Sample ID: 240-24386-8

Date Collected: 05/14/13 14:15

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 00:48	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 20:04	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:41	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:15	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:31	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		5	86067	05/15/13 16:56	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:05	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:11	BW	TAL CAN
Total/NA	Analysis	300.0		1	86943	05/22/13 14:22	AM	TAL CAN

Client Sample ID: TRIP BLANK 13

Lab Sample ID: 240-24386-9

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 01:08	TW	TAL DEN

Client Sample ID: EQUIPMENT BLANK 2

Lab Sample ID: 240-24386-10

Date Collected: 05/14/13 09:10

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 01:28	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 20:48	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:45	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:17	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:37	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 16:58	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:09	BW	TAL CAN
Total/NA	Prep	9012A			86382	05/17/13 13:31	VP	TAL CAN
Total/NA	Analysis	9012A		1	86424	05/17/13 15:07	VP	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Analysis	300.0		1	86943	05/22/13 14:39	AM	TAL CAN

Client Sample ID: TRIP BLANK 12

Lab Sample ID: 240-24386-11

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 01:48	TW	TAL DEN

Client Sample ID: MW-11s

Lab Sample ID: 240-24386-12

Date Collected: 05/14/13 15:35

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 02:08	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 21:11	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:49	RT	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		2	86518	05/17/13 16:14	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:19	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:39	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 17:00	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:13	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Prep	9012A			86796	05/21/13 13:34	VP	TAL CAN
Total/NA	Analysis	9012A		1	86835	05/21/13 15:11	BW	TAL CAN

Client Sample ID: MW-11s

Lab Sample ID: 240-24386-12

Date Collected: 05/14/13 15:35

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	86943	05/22/13 14:57	AM	TAL CAN

Client Sample ID: MW-11i

Lab Sample ID: 240-24386-13

Date Collected: 05/14/13 16:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 02:28	TW	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 21:33	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:53	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:21	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:41	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		5	86067	05/15/13 17:06	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:18	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:37	JK	TAL CAN
Total/NA	Prep	9012A			86868	05/22/13 07:56	VP	TAL CAN
Total/NA	Analysis	9012A		1	86935	05/22/13 09:43	VP	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 15:14	AM	TAL CAN

Client Sample ID: TRIP BLANK 14

Lab Sample ID: 240-24386-14

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175753	05/24/13 02:47	TW	TAL DEN

Client Sample ID: MW-21s

Lab Sample ID: 240-24386-15

Date Collected: 05/14/13 17:02

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 10:27	MD	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 21:55	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 13:57	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:23	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:42	CK	TAL PIT

Client Sample ID: MW-21s

Lab Sample ID: 240-24386-15

Date Collected: 05/14/13 17:02

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 3500 FE D		5	86067	05/15/13 17:08	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:22	BW	TAL CAN
Total/NA	Analysis	350.3		5	86623	05/20/13 13:38	JK	TAL CAN
Total/NA	Prep	9012A			86868	05/22/13 07:56	VP	TAL CAN
Total/NA	Analysis	9012A		1	86935	05/22/13 09:43	VP	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 15:32	AM	TAL CAN

Client Sample ID: MW-29

Lab Sample ID: 240-24386-16

Date Collected: 05/14/13 17:47

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 12:53	MD	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 22:17	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 14:01	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:25	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:44	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		5	86067	05/15/13 17:10	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:27	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 13:38	JK	TAL CAN
Total/NA	Prep	9012A			86868	05/22/13 07:56	VP	TAL CAN
Total/NA	Analysis	9012A		1	86935	05/22/13 09:43	VP	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 15:49	AM	TAL CAN

Client Sample ID: TRIP BLANK 15

Lab Sample ID: 240-24386-17

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 10:48	MD	TAL DEN

Client Sample ID: FIELD DUPLICATE #3

Lab Sample ID: 240-24386-18

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 11:09	MD	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 22:39	TH	TAL CAN

Client Sample ID: FIELD DUPLICATE #3

Lab Sample ID: 240-24386-18

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 14:05	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:31	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:46	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		5	86067	05/15/13 17:12	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:31	BW	TAL CAN
Total/NA	Analysis	350.3		5	86623	05/20/13 13:38	JK	TAL CAN
Total/NA	Prep	9012A			86868	05/22/13 07:56	VP	TAL CAN
Total/NA	Analysis	9012A		1	86935	05/22/13 09:49	VP	TAL CAN
Total/NA	Analysis	300.0		5	86943	05/22/13 16:06	AM	TAL CAN

Client Sample ID: MW-31

Lab Sample ID: 240-24386-19

Date Collected: 05/14/13 18:51

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 08:42	MD	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 17:06	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 12:59	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 17:56	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 14:22	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 17:14	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:35	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 14:13	JK	TAL CAN
Total/NA	Prep	9012A			86868	05/22/13 07:56	VP	TAL CAN
Total/NA	Analysis	9012A		1	86935	05/22/13 09:43	VP	TAL CAN
Total/NA	Analysis	300.0		1	86943	05/22/13 16:24	AM	TAL CAN

Client Sample ID: TRIP BLANK 16

Lab Sample ID: 240-24386-20

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 11:30	MD	TAL DEN

Client Sample ID: TRIP BLANK 17

Lab Sample ID: 240-24386-21

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 11:50	MD	TAL DEN

Client Sample ID: EQUIPMENT BLANK 3

Lab Sample ID: 240-24386-22

Date Collected: 05/14/13 19:20

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 12:11	MD	TAL DEN
Total/NA	Prep	3520C			86513	05/20/13 08:15	BM	TAL CAN
Total/NA	Analysis	8270C		1	86911	05/22/13 20:26	TH	TAL CAN
Total Recoverable	Prep	3005A			86111	05/16/13 08:16	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86518	05/17/13 14:08	RT	TAL CAN
Total/NA	Prep	7470A			86113	05/16/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 18:33	SG	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 15:46	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86067	05/15/13 17:20	LG	TAL CAN
Total/NA	Analysis	376.1		1	86240	05/16/13 16:48	BW	TAL CAN
Total/NA	Analysis	350.3		1	86623	05/20/13 14:24	JK	TAL CAN
Total/NA	Analysis	300.0		1	86943	05/22/13 17:51	AM	TAL CAN
Total/NA	Prep	9012A			87063	05/23/13 08:57	VP	TAL CAN
Total/NA	Analysis	9012A		1	87186	05/23/13 12:46	VP	TAL CAN

Client Sample ID: TRIP BLANK 18

Lab Sample ID: 240-24386-23

Date Collected: 05/14/13 00:00

Matrix: Water

Date Received: 05/15/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 12:32	MD	TAL DEN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Denver

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-13
A2LA	ISO/IEC 17025		2907.01	10-31-13
Alaska (UST)	State Program	10	UST-30	04-05-14
Arizona	State Program	9	AZ0713	12-19-13
Arkansas DEQ	State Program	6	88-0687	06-01-13
California	State Program	9	2513	08-31-14
Colorado	State Program	8	N/A	09-30-13
Connecticut	State Program	1	PH-0686	09-30-14
Florida	NELAP	4	E87667	06-30-13
Idaho	State Program	10	CO00026	09-30-13
Illinois	NELAP	5	200017	04-30-13 *
Iowa	State Program	7	370	12-01-14
Kansas	NELAP	7	E-10166	04-30-14
Louisiana	NELAP	6	30785	06-30-13
Maine	State Program	1	CO0002	03-03-15
Maryland	State Program	3	268	03-31-14
Minnesota	NELAP	5	8-999-405	12-31-13
Nevada	State Program	9	CO0026	07-30-13
New Hampshire	NELAP	1	205310	04-28-13 *
New Jersey	NELAP	2	CO004	06-30-13
New Mexico	State Program	6	CO00026	06-30-13
New York	NELAP	2	11964	04-01-14
North Carolina DENR	State Program	4	358	12-31-13
North Dakota	State Program	8	R-034	06-30-13
Oklahoma	State Program	6	8614	08-31-13

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

Client: EarthCon Consultants Inc
Project/Site: IEL UNIONTOWN

TestAmerica Job ID: 240-24386-1

Laboratory: TestAmerica Denver (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Oregon	NELAP	10	CO200001	01-16-14
Pennsylvania	NELAP	3	68-00664	07-31-13
South Carolina	State Program	4	72002	06-30-13
Texas	NELAP	6	T104704183-08-TX	09-30-13
USDA	Federal		P330-08-00036	02-08-14
Utah	NELAP	8	QUAN5	06-30-13
Virginia	NELAP	3	460232	06-14-13
Washington	State Program	10	C583	08-03-13
West Virginia DEP	State Program	3	354	11-30-13
Wisconsin	State Program	5	999615430	08-31-13
Wyoming (UST)	A2LA	8		10-31-13

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

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

Chain of Custody Record

240-24386 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
EarthCon	JD Haines	05-14-2013	014372
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
	216-314-0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	AnkaWiencek	Nathan Pietras	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL - Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-13i NEW	5/14/13	0745		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-14i NEW	5/14/13	0841		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 9	5/14/13			X						2			X									
MW-7i	5/14/13	1001		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-03i	5/14/13	1030		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 11	5/14/13			X						2			X									
MW-01i (MW-01i)	5/14/13	1140		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
MW-01s	5/14/13	1415		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 13	5/14/13			X						2			X									
Equipment Blank 2	5/14/13	0910		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Field Duplicate 2	5/14/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 12	5/14/13			X						2			X									

Special Instructions/ Conditions of Receipt

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-15-13	940	1. Received By	5/15/13	940
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
MW-13i/MW-14i/TB9; MW-7i/MW-03i/TB11; MW-01i/MW-01s/TB13; EB2/FDup2/TB12

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

[redacted]

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	J D Haines	5/14/13	014373
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
City / State / Zip Code	**Site Contact: Anka Wiencek**	**Lab Contact: Nathan Pietras**	
Project Name and Location (State): IEL-Uniontown	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2	Special Instructions/ Conditions of Receipt
MW-11s	5/14/13	1535		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MW-11i	5/14/13	1600		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 14	5/14/13			X						2			X										
MW-21s	5/14/13	1702		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MW-29	5/14/13	1747		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 15	5/14/13			X						2			X										
Field Duplicate #3	5/14/13	—		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MW-31	5/14/13	1851		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 16	5/14/13			X						2			X										
MS #(MW-31)	5/14/13	1903		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
MSD #(MW-31)	5/14/13	1910		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X	
Trip Blank 17	5/14/13			X						2			X										

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: J. Off	5-15-13	940	1. Received By: [signature]	5/15/13	946
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
MW-11s/MW-11i/TB 14; MW-21s/MW-29/TB 15; FDup #3/MW-31/TB 16;

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/30/2013

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	J D Haines	5/14/13	014365
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 3**
	216-314-0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	Anka Wiencek	Nathan Pietras	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL - Uniontown			
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	8260 VOC	8270 SVOC	T Metals	Tot Cn	Ferrous	Chloride	Sulfate	Sulfide	NH3	NOx / NO2
Equipment Blank 3	5/14/13	1920		X			3	2	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Trip Blank 18	5/14/13			X						2			X									

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-15-13	940	1. Received By	5/15/13	940
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 24386**
Canton Facility

Client Earth Con Site Name IEL

Cooler unpacked by: Gary Burns

Cooler Received on 5/15/13 Opened on 5/15/13

FedEx: 1st Grd Exp UPS FAS Stetson ~~Client Drop Off~~ TestAmerica Courier Other

TestAmerica Cooler # Foam Box Client Cooler Box Other Multiple

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –0 °C) Observed Cooler Temp._____ °C	Corrected Cooler Temp._____ °C	
IR GUN# 4G	(CF +1 °C) Observed Cooler Temp._____ °C	Corrected Cooler Temp._____ °C	☒ See Multiple Cooler Form
IR GUN# 5G	(CF +1 °C) Observed Cooler Temp._____ °C	Corrected Cooler Temp._____ °C	
~~IR GUN# 8~~	(CF +1 °C) Observed Cooler Temp._____ °C	Corrected Cooler Temp._____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes ~~No~~
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? ~~Yes~~ No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? Yes (No)
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? (Yes) No NA pH Strip Lot# **HC379740**
11. Were VOAs on the COC? (Yes) No
12. ~~Were air bubbles >6 mm in any VOA vials?~~ Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM NAP Date 5/15/13 by TB via (Verbal) Voice Mail Other
Concerning #14

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Field Duplicate #2 Rec'd 2 sulfide bottles + 2 metals bottles, No Sulfuric bottle + No unpres plastic bottle - per client do not log

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # : 24386**
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
CANTON	8	1.2	2.2	ICE
A796		1.0	2.0	
Buffalo		2.4	3.4	
TA No ~~##~~		1.4	2.4	
A243		0.2	1.2	
Red Client		2.8	3.8	
White Client		1.6	2.6	
CANTON		0.6	1.6	
Edison		0.4	1.4	

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-13i NEW	240-24386-D-1	Plastic 250ml - with Sulfuric Acid	<2		
MW-13i NEW	240-24386-E-1	Plastic 250ml - with Sodium	>12		
MW-13i NEW	240-24386-G-1	Plastic 500ml - with Sulfuric Acid	<2		
MW-13i NEW	240-24386-H-1	Plastic 500ml - with Nitric Acid	<2		
MW-13i NEW	240-24386-I-1	Plastic 500ml - with Zn Acetate and	>9		
MW-14i NEW	240-24386-D-2	Plastic 250ml - with Sulfuric Acid	<2		
MW-14i NEW	240-24386-E-2	Plastic 250ml - with Sodium	>12		
MW-14i NEW	240-24386-G-2	Plastic 500ml - with Sulfuric Acid	<2		
MW-14i NEW	240-24386-H-2	Plastic 500ml - with Nitric Acid	<2		
MW-14i NEW	240-24386-I-2	Plastic 500ml - with Zn Acetate and	>9		
MW-7i	240-24386-D-4	Plastic 250ml - with Sulfuric Acid	<2		
MW-7i	240-24386-E-4	Plastic 250ml - with Sodium	>12		
MW-7i	240-24386-G-4	Plastic 500ml - with Sulfuric Acid	<2		
MW-7i	240-24386-H-4	Plastic 500ml - with Nitric Acid	<2		
MW-7i	240-24386-I-4	Plastic 500ml - with Zn Acetate and	>9		
MW-03i	240-24386-D-5	Plastic 250ml - with Sulfuric Acid	<2		
MW-03i	240-24386-E-5	Plastic 250ml - with Sodium	>12		
MW-03i	240-24386-G-5	Plastic 500ml - with Sulfuric Acid	<2		
MW-03i	240-24386-H-5	Plastic 500ml - with Nitric Acid	<2		
MW-03i	240-24386-I-5	Plastic 500ml - with Zn Acetate and	>9		
MW-01i	240-24386-D-7	Plastic 250ml - with Sulfuric Acid	<2		
MW-01i	240-24386-E-7	Plastic 250ml - with Sodium	>12		
MW-01i	240-24386-G-7	Plastic 500ml - with Sulfuric Acid	<2		
MW-01i	240-24386-H-7	Plastic 500ml - with Nitric Acid	<2		
MW-01i	240-24386-I-7	Plastic 500ml - with Zn Acetate and	>9		
MW-01s	240-24386-D-8	Plastic 250ml - with Sulfuric Acid	<2		
MW-01s	240-24386-E-8	Plastic 250ml - with Sodium	>12		
MW-01s	240-24386-G-8	Plastic 500ml - with Sulfuric Acid	<2		
MW-01s	240-24386-H-8	Plastic 500ml - with Nitric Acid	<2		
MW-01s	240-24386-I-8	Plastic 500ml - with Zn Acetate and	>9		
EQUIPMENT BLANK 2	240-24386-D-10	Plastic 250ml - with Sulfuric Acid	<2		
EQUIPMENT BLANK 2	240-24386-E-10	Plastic 250ml - with Sodium	>12		
EQUIPMENT BLANK 2	240-24386-G-10	Plastic 500ml - with Sulfuric Acid	<2		
EQUIPMENT BLANK 2	240-24386-H-10	Plastic 500ml - with Nitric Acid	<2		
EQUIPMENT BLANK 2	240-24386-I-10	Plastic 500ml - with Zn Acetate and	>9		
MW-11s	240-24386-D-12	Plastic 250ml - with Sulfuric Acid	<2		
MW-11s	240-24386-E-12	Plastic 250ml - with Sodium	>12		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-11s	240-24386-G-12	Plastic 500ml - with Sulfuric Acid	<2		
MW-11s	240-24386-H-12	Plastic 500ml - with Nitric Acid	<2		
MW-11s	240-24386-I-12	Plastic 500ml - with Zn Acetate and	>9		
MW-11i	240-24386-D-13	Plastic 250ml - with Sulfuric Acid	<2		
MW-11i	240-24386-E-13	Plastic 250ml - with Sodium	>12		
MW-11i	240-24386-G-13	Plastic 500ml - with Sulfuric Acid	<2		
MW-11i	240-24386-H-13	Plastic 500ml - with Nitric Acid	<2		
MW-11i	240-24386-I-13	Plastic 500ml - with Zn Acetate and	>9		
MW-21s	240-24386-D-15	Plastic 250ml - with Sulfuric Acid	<2		
MW-21s	240-24386-E-15	Plastic 250ml - with Sodium	>12		
MW-21s	240-24386-G-15	Plastic 500ml - with Sulfuric Acid	<2		
MW-21s	240-24386-H-15	Plastic 500ml - with Nitric Acid	<2		
MW-21s	240-24386-I-15	Plastic 500ml - with Zn Acetate and	>9		
MW-29	240-24386-D-16	Plastic 250ml - with Sulfuric Acid	<2		
MW-29	240-24386-E-16	Plastic 250ml - with Sodium	>12		
MW-29	240-24386-G-16	Plastic 500ml - with Sulfuric Acid	<2		
MW-29	240-24386-H-16	Plastic 500ml - with Nitric Acid	<2		
MW-29	240-24386-I-16	Plastic 500ml - with Zn Acetate and	>9		
~~FIELD DUPLICATE #3~~	~~240-24386-D-18~~	~~Plastic 250ml - with Sulfuric Acid~~	~~<2~~		
FIELD DUPLICATE #3	240-24386-E-18	Plastic 250ml - with Sodium	>12		
FIELD DUPLICATE #3	240-24386-G-18	Plastic 500ml - with Sulfuric Acid	<2		
FIELD DUPLICATE #3	240-24386-H-18	Plastic 500ml - with Nitric Acid	<2		
FIELD DUPLICATE #3	240-24386-I-18	Plastic 500ml - with Zn Acetate and	>9		
MW-31	240-24386-A-19 MS	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-A-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	~~240-24386-AD-19~~	~~Amber Glass 1 liter - Nitric Acid~~	5/15/13		
MW-31	240-24386-J-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-K-19	Plastic 250ml - with Sodium	>12		
MW-31	240-24386-L-19	Plastic 250ml - with Sodium	>12		
MW-31	240-24386-M-19	Plastic 250ml - with Sodium	>12		
MW-31	240-24386-Q-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-R-19	Plastic 500ml - with Sulfuric Acid	<2		
MW-31	240-24386-S-19	Plastic 500ml - with Nitric Acid	<2		
MW-31	240-24386-T-19	Plastic 500ml - with Nitric Acid	<2		
MW-31	240-24386-U-19	Plastic 500ml - with Nitric Acid	<2		
MW-31	240-24386-V-19	Plastic 500ml - with Zn Acetate and	>9		
MW-31	240-24386-W-19	Plastic 500ml - with Zn Acetate and	>9		
MW-31	240-24386-X-19	Plastic 500ml - with Zn Acetate and	>9		
EQUIPMENT BLANK 3	240-24386-D-22	Plastic 250ml - with Sulfuric Acid	<2		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
EQUIPMENT BLANK 3	240-24386-E-22	Plastic 250ml - with Sodium	>12	_____	_____
EQUIPMENT BLANK 3	240-24386-G-22	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
EQUIPMENT BLANK 3	240-24386-H-22	Plastic 500ml - with Nitric Acid	<2	_____	_____
EQUIPMENT BLANK 3	240-24386-I-22	Plastic 500ml - with Zn Acetate and	>9	_____	_____

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24386-1

Login Number: 24386

List Source: TestAmerica Canton

List Number: 1

Creator: McFadden, John

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

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24386-1

Login Number: 24386
List Number: 1
Creator: Mueller, Teresa D

List Source: TestAmerica Denver
List Creation: 05/23/13 03:31 PM

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

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24386-1

Login Number: 24386
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 05/16/13 12:13 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-24471-1
Client Project/Site: IEL Uniontown

For:
EarthCon Consultants Inc
129 Monohon Landing Road
Raymond, Washington 98577

Attn: Kathy Gunderson

Authorized for release by:
5/31/2013 3:46:36 PM

Nathan Pietras, Project Manager II
nathan.pietras@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time
B	Compound was found in the blank and sample.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
H	Sample was prepped or analyzed beyond the specified holding time

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
HF	Field parameter with a holding time of 15 minutes

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-24471-1

Laboratory: TestAmerica Canton

Narrative

Job Narrative
240-24471-1

Comments
No additional comments.

Receipt
The samples were received on 5/16/2013 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

Except:

Method(s) SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: FIELD DUPLICATE 4 (240-24471-2), MW-23S (240-24471-1)

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The laboratory control sample (LCS) for batch 86895 recovered outside control limits for the following analyte: Hexachlorocyclopentadiene. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

No other analytical or quality issues were noted.

Metals
Method(s) 6020: The reporting limit (RL) provided for the following analyte, As, Ba and Tl falls below the laboratory's verified standard quantitation limit: FIELD DUPLICATE 4 (240-24471-2), MW-23S (240-24471-1). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 376.1, SM 4500 S2 E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 86636.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 87578.

No other analytical or quality issues were noted.

CASE NARRATIVE

Client: EarthCon Consultants Inc

Project: IEL Uniontown

Job ID: 240-24471-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Report Number: 240-24471-1

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

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/16/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-23S (240-24471-1), FIELD DUPLICATE 4 (240-24471-2) and TEST BLANK 19 (240-24471-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/24/2013.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/22/2013 and 05/29/2013 and analyzed on 05/27/2013 and 05/31/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-87578/19-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Hexachlorocyclopentadiene failed the recovery criteria low for LCS 240-86895/24-A. Refer to the QC report for details.

No other difficulties were encountered during the SVOCs analyses.

Job ID: 240-24471-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 05/17/2013 and 05/22/2013 and analyzed on 05/20/2013, 05/21/2013 and 05/23/2013.

Several analytes were detected in method blank MB 240-86298/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Zinc was detected in method blank MB 240-86872/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 05/17/2013 and analyzed on 05/20/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 05/24/2013.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 05/23/2013.

Ammonia (as N) failed the recovery criteria high for the MS of sample 240-24455-7 in batch 240-87193.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Refer to the QC report for details.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

FERROUS IRON

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for ferrous iron in accordance with SM 3500 F+2 D. The samples were analyzed on 05/16/2013.

Job ID: 240-24471-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No difficulties were encountered during the ferrous iron analyses.

All quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 05/28/2013.

No difficulties were encountered during the nitrate-nitrite analyses.

All quality control parameters were within the acceptance limits.

SULFIDE

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 05/20/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-23S (240-24471-1) and FIELD DUPLICATE 4 (240-24471-2) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 05/22/2013.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.3	Nitrogen, Ammonia	MCAWW	TAL CAN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL PIT
376.1	Sulfide	MCAWW	TAL CAN
9012A	Cyanide, Total and/or Amenable	SW846	TAL CAN
SM 3500 FE D	Iron, Ferrous	SM	TAL CAN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-24471-1	MW-23S	Water	05/16/13 08:10	05/16/13 11:20
240-24471-2	FIELD DUPLICATE 4	Water	05/16/13 00:00	05/16/13 11:20
240-24471-3	TEST BLANK 19	Water	05/16/13 00:00	05/16/13 11:20

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: MW-23S

Lab Sample ID: 240-24471-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.7		1.0	0.15	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.3		1.0	0.22	ug/L	1		8260B	Total/NA
Trichloroethene	0.42	J	1.0	0.16	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.0	J	1.9	0.76	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate	0.69	J	1.9	0.64	ug/L	1		8270C	Total/NA
Phenol	1.6		0.95	0.57	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate - RE	1.2	J H B	1.9	0.77	ug/L	1		8270C	Total/NA
Caprolactam - RE	4.3	J H	4.8	0.77	ug/L	1		8270C	Total/NA
Phenol - RE	2.7	H	0.96	0.58	ug/L	1		8270C	Total/NA
Aluminum	6600	B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	0.90	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	11	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	230	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.42	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	110000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.28	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	12		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	470		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	41	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	28000		100	12	ug/L	1		6020	Total Recoverable
Magnesium	28000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	4300	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	640	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	240	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	17		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.97	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	120	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.085	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	6500	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	9.3		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	21		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.61		0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.092	J	0.10	0.014	mg/L	1		353.2	Total/NA
Cyanide, Total	0.0032	J	0.010	0.0032	mg/L	1		9012A	Total/NA
Ferrous Iron	0.82	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4 — Lab Sample ID: 240-24471-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.7		1.0	0.15	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.3		1.0	0.22	ug/L	1		8260B	Total/NA
Trichloroethene	0.42	J	1.0	0.16	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.6	J	1.9	0.76	ug/L	1		8270C	Total/NA
Phenol	1.4		0.95	0.57	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate - RE	0.96	J H B	1.9	0.76	ug/L	1		8270C	Total/NA
Phenol - RE	0.65	J H	0.95	0.57	ug/L	1		8270C	Total/NA
Aluminum	4400	B	50	7.5	ug/L	1		6020	Total Recoverable
Antimony	1.1	J B	2.0	0.11	ug/L	1		6020	Total Recoverable
Arsenic	8.4	B	3.0	0.063	ug/L	1		6020	Total Recoverable
Barium	210	B	1.0	0.32	ug/L	1		6020	Total Recoverable
Beryllium	0.27	J	1.0	0.031	ug/L	1		6020	Total Recoverable
Calcium	95000	B	1000	27	ug/L	1		6020	Total Recoverable
Cadmium	0.27	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Cobalt	11		1.0	0.020	ug/L	1		6020	Total Recoverable
Chromium	760		2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	51	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Iron	22000		100	12	ug/L	1		6020	Total Recoverable
Magnesium	28000	B	1000	15	ug/L	1		6020	Total Recoverable
Potassium	4000	B	1000	5.1	ug/L	1		6020	Total Recoverable
Manganese	520	B	5.0	0.41	ug/L	1		6020	Total Recoverable
Nickel	390	B	2.0	0.088	ug/L	1		6020	Total Recoverable
Lead	12		1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.65	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	92	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.11	J B	1.0	0.0083	ug/L	1		6020	Total Recoverable
Sodium	7000	B	1000	4.2	ug/L	1		6020	Total Recoverable
Chloride	7.0		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	16		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.43		0.20	0.035	mg/L	1		350.3	Total/NA
Nitrate Nitrite as N	0.078	J	0.10	0.014	mg/L	1		353.2	Total/NA
Ferrous Iron	0.11	HF	0.050	0.018	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: TEST BLANK 19 — Lab Sample ID: 240-24471-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample ID: MW-23S
Date Collected: 05/16/13 08:10
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 13:55	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 13:55	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 13:55	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 13:55	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 13:55	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 13:55	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 13:55	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 13:55	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 13:55	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 13:55	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 13:55	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 13:55	1
cis-1,2-Dichloroethene	**2.7**		1.0	0.15	ug/L			05/24/13 13:55	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 13:55	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 13:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 13:55	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 13:55	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 13:55	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 13:55	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 13:55	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 13:55	1
1,1-Dichloroethane	**1.3**		1.0	0.22	ug/L			05/24/13 13:55	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 13:55	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 13:55	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 13:55	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 13:55	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 13:55	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 13:55	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 13:55	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 13:55	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 13:55	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 13:55	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 13:55	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 13:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 13:55	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 13:55	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 13:55	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 13:55	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 13:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 13:55	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 13:55	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 13:55	1
Trichloroethene	**0.42**	**J**	1.0	0.16	ug/L			05/24/13 13:55	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 13:55	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 13:55	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 13:55	1

Client Sample ID: MW-23S
Date Collected: 05/16/13 08:10
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-1
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	0.27	J	ug/L		5.06	60-29-7		05/24/13 13:55	1
Cyclotetrasiloxane, octamethyl-	1.5	T J N	ug/L		10.57	556-67-2		05/24/13 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		78 - 120		05/24/13 13:55	1
Dibromofluoromethane (Surr)	111		77 - 120		05/24/13 13:55	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 127		05/24/13 13:55	1
Toluene-d8 (Surr)	92		80 - 125		05/24/13 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/22/13 09:09	05/27/13 14:32	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/22/13 09:09	05/27/13 14:32	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/22/13 09:09	05/27/13 14:32	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/22/13 09:09	05/27/13 14:32	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/22/13 09:09	05/27/13 14:32	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:32	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/22/13 09:09	05/27/13 14:32	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:32	1
Acenaphthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Acetophenone	ND		0.95	0.32	ug/L		05/22/13 09:09	05/27/13 14:32	1
Anthracene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Atrazine	ND		0.95	0.32	ug/L		05/22/13 09:09	05/27/13 14:32	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/22/13 09:09	05/27/13 14:32	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/22/13 09:09	05/27/13 14:32	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Bis(2-ethylhexyl) phthalate	**1.0**	**J**	1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1

Client Sample ID: MW-23S
Date Collected: 05/16/13 08:10
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
Carbazole	ND		0.95	0.27	ug/L		05/22/13 09:09	05/27/13 14:32	1
Chrysene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/22/13 09:09	05/27/13 14:32	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/22/13 09:09	05/27/13 14:32	1
Di-n-butyl phthalate	**0.69**	**J**	1.9	0.64	ug/L		05/22/13 09:09	05/27/13 14:32	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
Fluoranthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Fluorene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/22/13 09:09	05/27/13 14:32	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Isophorone	ND		0.95	0.26	ug/L		05/22/13 09:09	05/27/13 14:32	1
Naphthalene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/22/13 09:09	05/27/13 14:32	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:32	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/22/13 09:09	05/27/13 14:32	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:32	1
Phenol	**1.6**		0.95	0.57	ug/L		05/22/13 09:09	05/27/13 14:32	1
Phenanthrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
Pyrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:32	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/22/13 09:09	05/27/13 14:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acrylamide	*3.2*	*J*	*ug/L*		*5.27*	*79-06-1*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
3-Methylcyclohexanone	*2.9*	*J*	*ug/L*		*6.28*	*591-24-2*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
2-Methylcyclohexanone	*1.2*	*J*	*ug/L*		*6.29*	*583-60-8*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Unknown	*14*	*T J*	*ug/L*		*6.46*		*05/22/13 09:09*	*05/27/13 14:32*	*1*
Unknown	*1.3*	*T J*	*ug/L*		*9.55*		*05/22/13 09:09*	*05/27/13 14:32*	*1*
Unknown	*16*	*T J*	*ug/L*		*10.61*		*05/22/13 09:09*	*05/27/13 14:32*	*1*
Phenol, 2,2'-methylenebis-	*4.1*	*T J N*	*ug/L*		*11.21*	*2467-2-9*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Phenol, 4,4'-methylenebis-	*5.7*	*T J N*	*ug/L*		*11.46*	*620-92-8*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Octadecanoic acid	*1.2*	*T J N*	*ug/L*		*11.64*	*57-11-4*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Unknown	*0.96*	*T J*	*ug/L*		*16.47*		*05/22/13 09:09*	*05/27/13 14:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*20 - 110*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
2-Fluorophenol (Surr)	*57*		*10 - 110*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*21 - 110*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*05/22/13 09:09*	*05/27/13 14:32*	*1*
Terphenyl-d14 (Surr)	*54*		*24 - 110*	*05/22/13 09:09*	*05/27/13 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.96	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: MW-23S
Date Collected: 05/16/13 08:10
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND	H	0.96	0.38	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,4,6-Trichlorophenol	ND	H	4.8	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,4-Dichlorophenol	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,4-Dimethylphenol	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/29/13 07:56	05/31/13 12:47	1
2,6-Dinitrotoluene	ND	H	4.8	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
2-Chloronaphthalene	ND	H	0.96	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
2-Chlorophenol	ND	H	0.96	0.28	ug/L		05/29/13 07:56	05/31/13 12:47	1
2-Methylnaphthalene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
2-Methylphenol	ND	H	0.96	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
2-Nitroaniline	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/29/13 07:56	05/31/13 12:47	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.36	ug/L		05/29/13 07:56	05/31/13 12:47	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/29/13 07:56	05/31/13 12:47	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 12:47	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
4-Chloro-3-methylphenol	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
4-Chloroaniline	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/29/13 07:56	05/31/13 12:47	1
4-Nitroaniline	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 12:47	1
Acenaphthene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Acenaphthylene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Acetophenone	ND	H	0.96	0.33	ug/L		05/29/13 07:56	05/31/13 12:47	1
Anthracene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Atrazine	ND	H	0.96	0.33	ug/L		05/29/13 07:56	05/31/13 12:47	1
Benzaldehyde	ND	H	0.96	0.37	ug/L		05/29/13 07:56	05/31/13 12:47	1
Benzo[a]anthracene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Benzo[a]pyrene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Benzo[b]fluoranthene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Benzo[g,h,i]perylene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Benzo[k]fluoranthene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Bis(2-chloroethoxy)methane	ND	H	0.96	0.31	ug/L		05/29/13 07:56	05/31/13 12:47	1
Bis(2-chloroethyl)ether	ND	H	0.96	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Bis(2-ethylhexyl) phthalate	**1.2**	**J H B**	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
Butyl benzyl phthalate	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
Caprolactam	**4.3**	**J H**	4.8	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
Carbazole	ND	H	0.96	0.27	ug/L		05/29/13 07:56	05/31/13 12:47	1
Chrysene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Dibenz(a,h)anthracene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Dibenzofuran	ND	H	0.96	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Diethyl phthalate	ND	H	1.9	0.58	ug/L		05/29/13 07:56	05/31/13 12:47	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/29/13 07:56	05/31/13 12:47	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/29/13 07:56	05/31/13 12:47	1
Di-n-octyl phthalate	ND	H	1.9	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
Fluoranthene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Fluorene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: MW-23S
Date Collected: 05/16/13 08:10
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Hexachlorobutadiene	ND	H	0.96	0.26	ug/L		05/29/13 07:56	05/31/13 12:47	1
Hexachlorocyclopentadiene	ND	H	9.6	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
Hexachloroethane	ND	H	0.96	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Isophorone	ND	H	0.96	0.26	ug/L		05/29/13 07:56	05/31/13 12:47	1
Naphthalene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Nitrobenzene	ND	H	0.96	0.038	ug/L		05/29/13 07:56	05/31/13 12:47	1
N-Nitrosodi-n-propylamine	ND	H	0.96	0.77	ug/L		05/29/13 07:56	05/31/13 12:47	1
N-Nitrosodiphenylamine	ND	H	0.96	0.30	ug/L		05/29/13 07:56	05/31/13 12:47	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 12:47	1
Phenol	**2.7**	**H**	0.96	0.58	ug/L		05/29/13 07:56	05/31/13 12:47	1
Phenanthrene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
Pyrene	ND	H	0.19	0.096	ug/L		05/29/13 07:56	05/31/13 12:47	1
3 & 4 Methylphenol	ND	H	1.9	0.72	ug/L		05/29/13 07:56	05/31/13 12:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.91*	*T H J*	*ug/L*		*6.77*		*05/29/13 07:56*	*05/31/13 12:47*	*1*
Unknown	*1.2*	*T H J*	*ug/L*		*8.75*		*05/29/13 07:56*	*05/31/13 12:47*	*1*
Unknown	*13*	*T H J*	*ug/L*		*9.85*		*05/29/13 07:56*	*05/31/13 12:47*	*1*
Unknown	*3.5*	*T H J*	*ug/L*		*10.40*		*05/29/13 07:56*	*05/31/13 12:47*	*1*
Unknown	*4.8*	*T H J*	*ug/L*		*10.62*		*05/29/13 07:56*	*05/31/13 12:47*	*1*
Unknown	*2.2*	*T H J*	*ug/L*		*10.81*		*05/29/13 07:56*	*05/31/13 12:47*	*1*
Unknown	*0.82*	*T H J*	*ug/L*		*13.94*		*05/29/13 07:56*	*05/31/13 12:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*20 - 110*	*05/29/13 07:56*	*05/31/13 12:47*	*1*
2-Fluorophenol (Surr)	*60*		*10 - 110*	*05/29/13 07:56*	*05/31/13 12:47*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*21 - 110*	*05/29/13 07:56*	*05/31/13 12:47*	*1*
Nitrobenzene-d5 (Surr)	*67*		*21 - 110*	*05/29/13 07:56*	*05/31/13 12:47*	*1*
Phenol-d5 (Surr)	*63*		*21 - 110*	*05/29/13 07:56*	*05/31/13 12:47*	*1*
Terphenyl-d14 (Surr)	*69*		*24 - 110*	*05/29/13 07:56*	*05/31/13 12:47*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**	**B**	50	7.5	ug/L		05/17/13 07:49	05/20/13 14:38	1
Antimony	**0.90**	**J B**	2.0	0.11	ug/L		05/17/13 07:49	05/20/13 14:38	1
Arsenic	**11**	**B**	3.0	0.063	ug/L		05/17/13 07:49	05/20/13 14:38	1
Barium	**230**	**B**	1.0	0.32	ug/L		05/17/13 07:49	05/20/13 14:38	1
Beryllium	**0.42**	**J**	1.0	0.031	ug/L		05/17/13 07:49	05/21/13 13:46	1
Calcium	**110000**	**B**	1000	27	ug/L		05/17/13 07:49	05/20/13 14:38	1
Cadmium	**0.28**	**J**	1.0	0.026	ug/L		05/17/13 07:49	05/20/13 14:38	1
Cobalt	**12**		1.0	0.020	ug/L		05/17/13 07:49	05/20/13 14:38	1
Chromium	**470**		2.0	0.13	ug/L		05/17/13 07:49	05/20/13 14:38	1
Copper	**41**	**B**	2.0	0.24	ug/L		05/17/13 07:49	05/20/13 14:38	1
Iron	**28000**		100	12	ug/L		05/17/13 07:49	05/20/13 14:38	1
Magnesium	**28000**	**B**	1000	15	ug/L		05/17/13 07:49	05/20/13 14:38	1
Potassium	**4300**	**B**	1000	5.1	ug/L		05/17/13 07:49	05/20/13 14:38	1
Manganese	**640**	**B**	5.0	0.41	ug/L		05/17/13 07:49	05/20/13 14:38	1
Nickel	**240**	**B**	2.0	0.088	ug/L		05/17/13 07:49	05/20/13 14:38	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: MW-23S
Date Collected: 05/16/13 08:10
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-1
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		1.0	0.14	ug/L		05/17/13 07:49	05/20/13 14:38	1
Selenium	0.97	J	5.0	0.34	ug/L		05/17/13 07:49	05/20/13 14:38	1
Thallium	ND		1.0	0.40	ug/L		05/17/13 07:49	05/20/13 14:38	1
Zinc	120	B	20	2.1	ug/L		05/22/13 08:12	05/23/13 17:03	1
Silver	0.085	J B	1.0	0.0083	ug/L		05/17/13 07:49	05/20/13 14:38	1
Sodium	6500	B	1000	4.2	ug/L		05/17/13 07:49	05/20/13 14:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/17/13 15:45	05/20/13 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.3		1.0	0.10	mg/L			05/24/13 23:17	1
Sulfate	21		1.0	0.12	mg/L			05/24/13 23:17	1
Ammonia (as N)	0.61		0.20	0.035	mg/L			05/23/13 16:21	1
Nitrate Nitrite as N	0.092	J	0.10	0.014	mg/L			05/28/13 15:41	1
Sulfide	ND		1.0	0.67	mg/L			05/20/13 16:06	1
Cyanide, Total	0.0032	J	0.010	0.0032	mg/L		05/22/13 09:15	05/22/13 12:02	1
Ferrous Iron	0.82	HF	0.050	0.018	mg/L			05/16/13 17:58	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 14:16	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 14:16	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 14:16	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 14:16	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 14:16	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 14:16	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 14:16	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 14:16	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 14:16	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 14:16	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 14:16	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 14:16	1
cis-1,2-Dichloroethene	**2.7**		1.0	0.15	ug/L			05/24/13 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 14:16	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 14:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 14:16	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 14:16	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 14:16	1
1,1-Dichloroethane	**1.3**		1.0	0.22	ug/L			05/24/13 14:16	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 14:16	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 14:16	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 14:16	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 14:16	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 14:16	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 14:16	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 14:16	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 14:16	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 14:16	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 14:16	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 14:16	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 14:16	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 14:16	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 14:16	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 14:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 14:16	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 14:16	1
Trichloroethene	**0.42**	**J**	1.0	0.16	ug/L			05/24/13 14:16	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 14:16	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 14:16	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 14:16	1

Client Sample ID: FIELD DUPLICATE 4
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-2
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethyl ether	0.34	J	ug/L		5.04	60-29-7		05/24/13 14:16	1
Cyclotetrasiloxane, octamethyl-	4.2	T J N	ug/L		10.57	556-67-2		05/24/13 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		78 - 120		05/24/13 14:16	1
Dibromofluoromethane (Surr)	112		77 - 120		05/24/13 14:16	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 127		05/24/13 14:16	1
Toluene-d8 (Surr)	96		80 - 125		05/24/13 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		05/22/13 09:09	05/27/13 14:59	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
2-Chlorophenol	ND		0.95	0.28	ug/L		05/22/13 09:09	05/27/13 14:59	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
2-Methylphenol	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2-Nitroaniline	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
2-Nitrophenol	ND		1.9	0.27	ug/L		05/22/13 09:09	05/27/13 14:59	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		05/22/13 09:09	05/27/13 14:59	1
3-Nitroaniline	ND		1.9	0.27	ug/L		05/22/13 09:09	05/27/13 14:59	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:59	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
4-Chloroaniline	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		05/22/13 09:09	05/27/13 14:59	1
4-Nitroaniline	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
4-Nitrophenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:59	1
Acenaphthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Acenaphthylene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Acetophenone	ND		0.95	0.32	ug/L		05/22/13 09:09	05/27/13 14:59	1
Anthracene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Atrazine	ND		0.95	0.32	ug/L		05/22/13 09:09	05/27/13 14:59	1
Benzaldehyde	ND		0.95	0.37	ug/L		05/22/13 09:09	05/27/13 14:59	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		05/22/13 09:09	05/27/13 14:59	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Bis(2-ethylhexyl) phthalate	**1.6**	**J**	1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
Butyl benzyl phthalate	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
Carbazole	ND		0.95	0.27	ug/L		05/22/13 09:09	05/27/13 14:59	1
Chrysene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Dibenzofuran	ND		0.95	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Diethyl phthalate	ND		1.9	0.57	ug/L		05/22/13 09:09	05/27/13 14:59	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		05/22/13 09:09	05/27/13 14:59	1
Di-n-butyl phthalate	ND		1.9	0.64	ug/L		05/22/13 09:09	05/27/13 14:59	1
Di-n-octyl phthalate	ND		1.9	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
Fluoranthene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Fluorene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		05/22/13 09:09	05/27/13 14:59	1
Hexachlorocyclopentadiene	ND	*	9.5	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
Hexachloroethane	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Isophorone	ND		0.95	0.26	ug/L		05/22/13 09:09	05/27/13 14:59	1
Naphthalene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Nitrobenzene	ND		0.95	0.038	ug/L		05/22/13 09:09	05/27/13 14:59	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		05/22/13 09:09	05/27/13 14:59	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		05/22/13 09:09	05/27/13 14:59	1
Pentachlorophenol	ND		4.8	2.3	ug/L		05/22/13 09:09	05/27/13 14:59	1
Phenol	**1.4**		0.95	0.57	ug/L		05/22/13 09:09	05/27/13 14:59	1
Phenanthrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
Pyrene	ND		0.19	0.095	ug/L		05/22/13 09:09	05/27/13 14:59	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		05/22/13 09:09	05/27/13 14:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acrylamide	*3.2*	*J*	*ug/L*		*5.28*	*79-06-1*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
2-Methylcyclohexanone	*0.96*	*J*	*ug/L*		*6.29*	*583-60-8*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
3-Methylcyclohexanone	*2.9*	*J*	*ug/L*		*6.29*	*591-24-2*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
Unknown	*13*	*T J*	*ug/L*		*6.46*		*05/22/13 09:09*	*05/27/13 14:59*	*1*
Unknown	*0.67*	*T J*	*ug/L*		*7.41*		*05/22/13 09:09*	*05/27/13 14:59*	*1*
Unknown	*1.1*	*T J*	*ug/L*		*9.55*		*05/22/13 09:09*	*05/27/13 14:59*	*1*
1,2-Benzenedicarboxylic acid, bis(2-meth	*12*	*T J N*	*ug/L*		*10.61*	*84-69-5*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*11.21*		*05/22/13 09:09*	*05/27/13 14:59*	*1*
Phenol, 4,4'-methylenebis-	*4.7*	*T J N*	*ug/L*		*11.46*	*620-92-8*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
Unknown	*1.5*	*T J*	*ug/L*		*14.66*		*05/22/13 09:09*	*05/27/13 14:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*20 - 110*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
2-Fluorophenol (Surr)	*56*		*10 - 110*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*21 - 110*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
Nitrobenzene-d5 (Surr)	*53*		*21 - 110*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*05/22/13 09:09*	*05/27/13 14:59*	*1*
Terphenyl-d14 (Surr)	*52*		*24 - 110*	*05/22/13 09:09*	*05/27/13 14:59*	*1*

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.95	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,2'-oxybis[1-chloropropane]	ND	H	0.95	0.38	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,4,5-Trichlorophenol	ND	H	4.8	0.29	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,4,6-Trichlorophenol	ND	H	4.8	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,4-Dichlorophenol	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,4-Dimethylphenol	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,4-Dinitrophenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,4-Dinitrotoluene	ND	H	4.8	0.26	ug/L		05/29/13 07:56	05/31/13 13:11	1
2,6-Dinitrotoluene	ND	H	4.8	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2-Chloronaphthalene	ND	H	0.95	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
2-Chlorophenol	ND	H	0.95	0.28	ug/L		05/29/13 07:56	05/31/13 13:11	1
2-Methylnaphthalene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
2-Methylphenol	ND	H	0.95	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2-Nitroaniline	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
2-Nitrophenol	ND	H	1.9	0.27	ug/L		05/29/13 07:56	05/31/13 13:11	1
3,3'-Dichlorobenzidine	ND	H	4.8	0.35	ug/L		05/29/13 07:56	05/31/13 13:11	1
3-Nitroaniline	ND	H	1.9	0.27	ug/L		05/29/13 07:56	05/31/13 13:11	1
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 13:11	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
4-Chloro-3-methylphenol	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
4-Chloroaniline	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.29	ug/L		05/29/13 07:56	05/31/13 13:11	1
4-Nitroaniline	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
4-Nitrophenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 13:11	1
Acenaphthene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Acenaphthylene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Acetophenone	ND	H	0.95	0.32	ug/L		05/29/13 07:56	05/31/13 13:11	1
Anthracene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Atrazine	ND	H	0.95	0.32	ug/L		05/29/13 07:56	05/31/13 13:11	1
Benzaldehyde	ND	H	0.95	0.37	ug/L		05/29/13 07:56	05/31/13 13:11	1
Benzo[a]anthracene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Benzo[a]pyrene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Benzo[b]fluoranthene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Benzo[g,h,i]perylene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Bis(2-chloroethoxy)methane	ND	H	0.95	0.30	ug/L		05/29/13 07:56	05/31/13 13:11	1
Bis(2-chloroethyl)ether	ND	H	0.95	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Bis(2-ethylhexyl) phthalate	**0.96**	**J H B**	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
Butyl benzyl phthalate	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
Caprolactam	ND	H	4.8	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
Carbazole	ND	H	0.95	0.27	ug/L		05/29/13 07:56	05/31/13 13:11	1
Chrysene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Dibenzofuran	ND	H	0.95	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Diethyl phthalate	ND	H	1.9	0.57	ug/L		05/29/13 07:56	05/31/13 13:11	1
Dimethyl phthalate	ND	H	1.9	0.28	ug/L		05/29/13 07:56	05/31/13 13:11	1
Di-n-butyl phthalate	ND	H	1.9	0.64	ug/L		05/29/13 07:56	05/31/13 13:11	1
Di-n-octyl phthalate	ND	H	1.9	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
Fluoranthene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Hexachlorobenzene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Hexachlorobutadiene	ND	H	0.95	0.26	ug/L		05/29/13 07:56	05/31/13 13:11	1
Hexachlorocyclopentadiene	ND	H	9.5	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
Hexachloroethane	ND	H	0.95	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Isophorone	ND	H	0.95	0.26	ug/L		05/29/13 07:56	05/31/13 13:11	1
Naphthalene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Nitrobenzene	ND	H	0.95	0.038	ug/L		05/29/13 07:56	05/31/13 13:11	1
N-Nitrosodi-n-propylamine	ND	H	0.95	0.76	ug/L		05/29/13 07:56	05/31/13 13:11	1
N-Nitrosodiphenylamine	ND	H	0.95	0.30	ug/L		05/29/13 07:56	05/31/13 13:11	1
Pentachlorophenol	ND	H	4.8	2.3	ug/L		05/29/13 07:56	05/31/13 13:11	1
Phenol	**0.65**	**J H**	0.95	0.57	ug/L		05/29/13 07:56	05/31/13 13:11	1
Phenanthrene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
Pyrene	ND	H	0.19	0.095	ug/L		05/29/13 07:56	05/31/13 13:11	1
3 & 4 Methylphenol	ND	H	1.9	0.71	ug/L		05/29/13 07:56	05/31/13 13:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*8.3*	*T H J*	*ug/L*		*9.85*		*05/29/13 07:56*	*05/31/13 13:11*	*1*
Unknown	*2.4*	*T H J*	*ug/L*		*10.40*		*05/29/13 07:56*	*05/31/13 13:11*	*1*
Unknown	*3.1*	*T H J*	*ug/L*		*10.62*		*05/29/13 07:56*	*05/31/13 13:11*	*1*
Unknown	*0.90*	*T H J*	*ug/L*		*14.48*		*05/29/13 07:56*	*05/31/13 13:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*44*		*20 - 110*	*05/29/13 07:56*	*05/31/13 13:11*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 110*	*05/29/13 07:56*	*05/31/13 13:11*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*21 - 110*	*05/29/13 07:56*	*05/31/13 13:11*	*1*
Nitrobenzene-d5 (Surr)	*50*		*21 - 110*	*05/29/13 07:56*	*05/31/13 13:11*	*1*
Phenol-d5 (Surr)	*47*		*21 - 110*	*05/29/13 07:56*	*05/31/13 13:11*	*1*
Terphenyl-d14 (Surr)	*69*		*24 - 110*	*05/29/13 07:56*	*05/31/13 13:11*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4400**	**B**	50	7.5	ug/L		05/17/13 07:49	05/20/13 14:42	1
Antimony	**1.1**	**J B**	2.0	0.11	ug/L		05/17/13 07:49	05/20/13 14:42	1
Arsenic	**8.4**	**B**	3.0	0.063	ug/L		05/17/13 07:49	05/20/13 14:42	1
Barium	**210**	**B**	1.0	0.32	ug/L		05/17/13 07:49	05/20/13 14:42	1
Beryllium	**0.27**	**J**	1.0	0.031	ug/L		05/17/13 07:49	05/21/13 13:50	1
Calcium	**95000**	**B**	1000	27	ug/L		05/17/13 07:49	05/20/13 14:42	1
Cadmium	**0.27**	**J**	1.0	0.026	ug/L		05/17/13 07:49	05/20/13 14:42	1
Cobalt	**11**		1.0	0.020	ug/L		05/17/13 07:49	05/20/13 14:42	1
Chromium	**760**		2.0	0.13	ug/L		05/17/13 07:49	05/20/13 14:42	1
Copper	**51**	**B**	2.0	0.24	ug/L		05/17/13 07:49	05/20/13 14:42	1
Iron	**22000**		100	12	ug/L		05/17/13 07:49	05/20/13 14:42	1
Magnesium	**28000**	**B**	1000	15	ug/L		05/17/13 07:49	05/20/13 14:42	1
Potassium	**4000**	**B**	1000	5.1	ug/L		05/17/13 07:49	05/20/13 14:42	1
Manganese	**520**	**B**	5.0	0.41	ug/L		05/17/13 07:49	05/20/13 14:42	1
Nickel	**390**	**B**	2.0	0.088	ug/L		05/17/13 07:49	05/20/13 14:42	1
Lead	**12**		1.0	0.14	ug/L		05/17/13 07:49	05/20/13 14:42	1
Selenium	**0.65**	**J**	5.0	0.34	ug/L		05/17/13 07:49	05/20/13 14:42	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-2
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.40	ug/L		05/17/13 07:49	05/20/13 14:42	1
Zinc	**92**	**B**	20	2.1	ug/L		05/22/13 08:12	05/23/13 17:06	1
Silver	**0.11**	**J B**	1.0	0.0083	ug/L		05/17/13 07:49	05/20/13 14:42	1
Sodium	**7000**	**B**	1000	4.2	ug/L		05/17/13 07:49	05/20/13 14:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/17/13 15:45	05/20/13 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.0**		1.0	0.10	mg/L			05/24/13 23:35	1
Sulfate	**16**		1.0	0.12	mg/L			05/24/13 23:35	1
Ammonia (as N)	**0.43**		0.20	0.035	mg/L			05/23/13 16:25	1
Nitrate Nitrite as N	**0.078**	**J**	0.10	0.014	mg/L			05/28/13 15:42	1
Sulfide	ND		1.0	0.67	mg/L			05/20/13 16:11	1
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 09:15	05/22/13 12:02	1
Ferrous Iron	**0.11**	**HF**	0.050	0.018	mg/L			05/16/13 17:58	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: TEST BLANK 19
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 14:37	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 14:37	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 14:37	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 14:37	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 14:37	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 14:37	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 14:37	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 14:37	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 14:37	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 14:37	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 14:37	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 14:37	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 14:37	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 14:37	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 14:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 14:37	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 14:37	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 14:37	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 14:37	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 14:37	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 14:37	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 14:37	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 14:37	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 14:37	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 14:37	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 14:37	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 14:37	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 14:37	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 14:37	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 14:37	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 14:37	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 14:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 14:37	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 14:37	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 14:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 14:37	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 14:37	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 14:37	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 14:37	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 14:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 14:37	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 14:37	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 14:37	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 14:37	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 14:37	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 14:37	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 14:37	1

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: TEST BLANK 19
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 11:20

Lab Sample ID: 240-24471-3
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	130	T J	ug/L		6.34			05/24/13 14:37	1
Unknown	1.4	T J	ug/L		10.57			05/24/13 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		78 - 120		05/24/13 14:37	1
Dibromofluoromethane (Surr)	106		77 - 120		05/24/13 14:37	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 127		05/24/13 14:37	1
Toluene-d8 (Surr)	98		80 - 125		05/24/13 14:37	1

Surrogate Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(78-120)	(77-120)	(70-127)	(80-125)
240-24471-1	MW-23S	97	111	110	92
240-24471-2	FIELD DUPLICATE 4	103	112	111	96
240-24471-3	TEST BLANK 19	98	106	107	98
LCS 280-175786/5	Lab Control Sample	88	95	92	100
MB 280-175786/6	Method Blank	105	99	94	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)
240-24471-1	MW-23S	57	57	72	57	61	54
240-24471-1 - RE	MW-23S	60	60	65	67	63	69
240-24471-2	FIELD DUPLICATE 4	56	56	73	53	61	52
240-24471-2 - RE	FIELD DUPLICATE 4	44	45	59	50	47	69
LCS 240-86895/24-A	Lab Control Sample	79	83	87	81	87	62
LCS 240-87578/20-A	Lab Control Sample	59	64	65	67	65	65
MB 240-86895/23-A	Method Blank	78	84	85	79	88	62
MB 240-87578/19-A	Method Blank	79	83	73	89	84	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

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

Lab Sample ID: MB 280-175786/6
Matrix: Water
Analysis Batch: 175786

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			05/24/13 08:21	1
Benzene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Bromoform	ND		1.0	0.19	ug/L			05/24/13 08:21	1
Bromomethane	ND		2.0	0.21	ug/L			05/24/13 08:21	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			05/24/13 08:21	1
Carbon disulfide	ND		2.0	0.45	ug/L			05/24/13 08:21	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/24/13 08:21	1
Chlorobenzene	ND		1.0	0.17	ug/L			05/24/13 08:21	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			05/24/13 08:21	1
Chloroethane	ND		2.0	0.41	ug/L			05/24/13 08:21	1
Chloroform	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Chloromethane	ND		2.0	0.30	ug/L			05/24/13 08:21	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 08:21	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Cyclohexane	ND		2.0	0.28	ug/L			05/24/13 08:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			05/24/13 08:21	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			05/24/13 08:21	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			05/24/13 08:21	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			05/24/13 08:21	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			05/24/13 08:21	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/24/13 08:21	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			05/24/13 08:21	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/24/13 08:21	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			05/24/13 08:21	1
Ethylbenzene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			05/24/13 08:21	1
2-Hexanone	ND		5.0	1.7	ug/L			05/24/13 08:21	1
Isopropylbenzene	ND		1.0	0.19	ug/L			05/24/13 08:21	1
Methyl acetate	ND		5.0	1.6	ug/L			05/24/13 08:21	1
Methylcyclohexane	ND		1.0	0.36	ug/L			05/24/13 08:21	1
Methylene Chloride	ND		2.0	0.32	ug/L			05/24/13 08:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/24/13 08:21	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/24/13 08:21	1
Styrene	ND		1.0	0.17	ug/L			05/24/13 08:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/13 08:21	1
Tetrachloroethene	ND		1.0	0.20	ug/L			05/24/13 08:21	1
Toluene	ND		1.0	0.17	ug/L			05/24/13 08:21	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			05/24/13 08:21	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			05/24/13 08:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			05/24/13 08:21	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/24/13 08:21	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/24/13 08:21	1
Trichloroethene	ND		1.0	0.16	ug/L			05/24/13 08:21	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			05/24/13 08:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.42	ug/L			05/24/13 08:21	1
Vinyl chloride	ND		1.0	0.10	ug/L			05/24/13 08:21	1
Xylenes, Total	ND		2.0	0.19	ug/L			05/24/13 08:21	1

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

Lab Sample ID: MB 280-175786/6
Matrix: Water
Analysis Batch: 175786

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotetrasiloxane, octamethyl-	5.07	T J N	ug/L		10.57	556-67-2		05/24/13 08:21	1
Unknown	2.31	T J	ug/L		12.09			05/24/13 08:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		78 - 120		05/24/13 08:21	1
Dibromofluoromethane (Surr)	99		77 - 120		05/24/13 08:21	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 127		05/24/13 08:21	1
Toluene-d8 (Surr)	98		80 - 125		05/24/13 08:21	1

Lab Sample ID: LCS 280-175786/5
Matrix: Water
Analysis Batch: 175786

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.1		ug/L		90	50 - 156
Benzene	5.00	4.50		ug/L		90	74 - 135
Bromoform	5.00	3.39		ug/L		68	62 - 135
Bromomethane	5.00	4.46		ug/L		89	38 - 150
2-Butanone (MEK)	20.0	14.5		ug/L		72	44 - 150
Carbon disulfide	5.00	4.83		ug/L		97	34 - 150
Carbon tetrachloride	5.00	5.37		ug/L		107	67 - 135
Chlorobenzene	5.00	4.48		ug/L		90	76 - 135
Chlorodibromomethane	5.00	4.15		ug/L		83	68 - 135
Chloroethane	5.00	4.47		ug/L		89	46 - 147
Chloroform	5.00	4.60		ug/L		92	76 - 120
Chloromethane	5.00	4.32		ug/L		86	34 - 145
cis-1,2-Dichloroethene	5.00	4.34		ug/L		87	73 - 135
cis-1,3-Dichloropropene	5.00	3.62		ug/L		72	66 - 135
1,2-Dibromo-3-Chloropropane	5.00	3.96	J	ug/L		79	65 - 150
1,2-Dichlorobenzene	5.00	4.39		ug/L		88	75 - 135
1,3-Dichlorobenzene	5.00	4.60		ug/L		92	74 - 135
1,4-Dichlorobenzene	5.00	4.40		ug/L		88	75 - 135
Dichlorobromomethane	5.00	4.12		ug/L		82	73 - 135
Dichlorodifluoromethane	5.00	4.18		ug/L		84	28 - 152
1,1-Dichloroethane	5.00	4.70		ug/L		94	75 - 135
1,2-Dichloroethane	5.00	4.23		ug/L		85	70 - 135
1,1-Dichloroethene	5.00	4.78		ug/L		96	71 - 136
1,2-Dichloropropane	5.00	4.21		ug/L		84	71 - 120
Ethylbenzene	5.00	4.84		ug/L		97	72 - 120
Ethylene Dibromide	5.00	3.93		ug/L		79	71 - 135
2-Hexanone	20.0	13.3		ug/L		67	47 - 150
Isopropylbenzene	5.00	5.02		ug/L		100	75 - 135
Methylene Chloride	5.00	3.98		ug/L		80	54 - 141
4-Methyl-2-pentanone (MIBK)	20.0	13.5		ug/L		68	53 - 150
Methyl tert-butyl ether	5.00	3.87	J	ug/L		77	46 - 135
Styrene	5.00	4.40		ug/L		88	68 - 135
1,1,2,2-Tetrachloroethane	5.00	3.53		ug/L		71	66 - 135

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

Lab Sample ID: LCS 280-175786/5
Matrix: Water
Analysis Batch: 175786

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	5.00	5.16		ug/L		103	70 - 135
Toluene	5.00	4.32		ug/L		86	73 - 120
trans-1,2-Dichloroethene	5.00	4.77		ug/L		95	75 - 135
trans-1,3-Dichloropropene	5.00	3.65		ug/L		73	68 - 135
1,2,4-Trichlorobenzene	5.00	4.88		ug/L		98	64 - 135
1,1,1-Trichloroethane	5.00	5.19		ug/L		104	70 - 135
1,1,2-Trichloroethane	5.00	3.74		ug/L		75	73 - 135
Trichloroethene	5.00	4.78		ug/L		96	73 - 135
Trichlorofluoromethane	5.00	5.00		ug/L		100	47 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	6.20		ug/L		124	43 - 162
Vinyl chloride	5.00	4.41		ug/L		88	40 - 144
Xylenes, Total	10.0	9.75		ug/L		98	75 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*78 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*
Toluene-d8 (Surr)	*100*		*80 - 125*

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

Lab Sample ID: MB 240-86895/23-A
Matrix: Water
Analysis Batch: 87400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/22/13 09:09	05/27/13 13:40	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/22/13 09:09	05/27/13 13:40	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/22/13 09:09	05/27/13 13:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/22/13 09:09	05/27/13 13:40	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/22/13 09:09	05/27/13 13:40	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/22/13 09:09	05/27/13 13:40	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1

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

Lab Sample ID: MB 240-86895/23-A
Matrix: Water
Analysis Batch: 87400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/22/13 09:09	05/27/13 13:40	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/22/13 09:09	05/27/13 13:40	1
Acenaphthene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Acetophenone	ND		1.0	0.34	ug/L		05/22/13 09:09	05/27/13 13:40	1
Anthracene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Atrazine	ND		1.0	0.34	ug/L		05/22/13 09:09	05/27/13 13:40	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/22/13 09:09	05/27/13 13:40	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/22/13 09:09	05/27/13 13:40	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
Caprolactam	ND		5.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
Carbazole	ND		1.0	0.28	ug/L		05/22/13 09:09	05/27/13 13:40	1
Chrysene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/22/13 09:09	05/27/13 13:40	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/22/13 09:09	05/27/13 13:40	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/22/13 09:09	05/27/13 13:40	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
Fluoranthene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Fluorene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/22/13 09:09	05/27/13 13:40	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Isophorone	ND		1.0	0.27	ug/L		05/22/13 09:09	05/27/13 13:40	1
Naphthalene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/22/13 09:09	05/27/13 13:40	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/22/13 09:09	05/27/13 13:40	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/22/13 09:09	05/27/13 13:40	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/22/13 09:09	05/27/13 13:40	1
Phenol	ND		1.0	0.60	ug/L		05/22/13 09:09	05/27/13 13:40	1
Phenanthrene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
Pyrene	ND		0.20	0.10	ug/L		05/22/13 09:09	05/27/13 13:40	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/22/13 09:09	05/27/13 13:40	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dimethylformamide	*6.07*	*J*	*ug/L*		*4.36*	*68-12-2*	*05/22/13 09:09*	*05/27/13 13:40*	*1*
Unknown	*1.80*	*T J*	*ug/L*		*5.10*		*05/22/13 09:09*	*05/27/13 13:40*	*1*

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

Lab Sample ID: MB 240-86895/23-A
Matrix: Water
Analysis Batch: 87400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86895

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.694	T J	ug/L		5.72		05/22/13 09:09	05/27/13 13:40	1
Unknown	0.906	T J	ug/L		5.96		05/22/13 09:09	05/27/13 13:40	1
Unknown	21.1	T J	ug/L		6.46		05/22/13 09:09	05/27/13 13:40	1
Benzene-1,2,3,4-d4-, 5,6-dichloro-	12.2	T J N	ug/L		6.80	2199-69-1	05/22/13 09:09	05/27/13 13:40	1
Unknown	0.962	T J	ug/L		7.63		05/22/13 09:09	05/27/13 13:40	1
Unknown	0.500	T J	ug/L		9.55		05/22/13 09:09	05/27/13 13:40	1
Unknown	0.681	T J	ug/L		10.17		05/22/13 09:09	05/27/13 13:40	1
Unknown	0.441	T J	ug/L		10.61		05/22/13 09:09	05/27/13 13:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		20 - 110	05/22/13 09:09	05/27/13 13:40	1
2-Fluorophenol (Surr)	84		10 - 110	05/22/13 09:09	05/27/13 13:40	1
2,4,6-Tribromophenol (Surr)	85		21 - 110	05/22/13 09:09	05/27/13 13:40	1
Nitrobenzene-d5 (Surr)	79		21 - 110	05/22/13 09:09	05/27/13 13:40	1
Phenol-d5 (Surr)	88		21 - 110	05/22/13 09:09	05/27/13 13:40	1
Terphenyl-d14 (Surr)	62		24 - 110	05/22/13 09:09	05/27/13 13:40	1

Lab Sample ID: LCS 240-86895/24-A
Matrix: Water
Analysis Batch: 87400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	15.8		ug/L		79	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	19.9		ug/L		99	37 - 110
2,4,5-Trichlorophenol	20.0	17.7		ug/L		88	48 - 110
2,4,6-Trichlorophenol	20.0	18.3		ug/L		92	45 - 110
2,4-Dichlorophenol	20.0	16.8		ug/L		84	41 - 110
2,4-Dimethylphenol	20.0	14.3		ug/L		71	32 - 110
2,4-Dinitrophenol	40.0	26.0		ug/L		65	10 - 110
2,4-Dinitrotoluene	20.0	19.8		ug/L		99	53 - 110
2-Chloronaphthalene	20.0	15.7		ug/L		79	43 - 110
2-Chlorophenol	20.0	17.9		ug/L		90	29 - 110
2-Methylnaphthalene	20.0	13.8		ug/L		69	45 - 110
2-Methylphenol	20.0	16.8		ug/L		84	42 - 110
2-Nitroaniline	20.0	21.6		ug/L		108	54 - 110
2-Nitrophenol	20.0	18.1		ug/L		90	40 - 110
3,3'-Dichlorobenzidine	40.0	34.6		ug/L		86	22 - 110
3-Nitroaniline	20.0	20.5		ug/L		103	53 - 110
4,6-Dinitro-2-methylphenol	40.0	33.0		ug/L		83	31 - 110
4-Bromophenyl phenyl ether	20.0	17.2		ug/L		86	45 - 110
4-Chloro-3-methylphenol	20.0	17.6		ug/L		88	52 - 110
4-Chloroaniline	20.0	16.8		ug/L		84	44 - 110
4-Chlorophenyl phenyl ether	20.0	16.9		ug/L		85	47 - 110
4-Nitroaniline	20.0	20.6		ug/L		103	54 - 110
4-Nitrophenol	40.0	44.0		ug/L		110	33 - 112
Acenaphthene	20.0	16.5		ug/L		82	47 - 110
Acenaphthylene	20.0	16.7		ug/L		83	49 - 110

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

Lab Sample ID: LCS 240-86895/24-A
Matrix: Water
Analysis Batch: 87400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	20.0	18.8		ug/L		94	52 - 110
Benzo[a]anthracene	20.0	18.1		ug/L		91	52 - 110
Benzo[a]pyrene	20.0	17.3		ug/L		86	44 - 110
Benzo[b]fluoranthene	20.0	17.6		ug/L		88	48 - 110
Benzo[g,h,i]perylene	20.0	19.1		ug/L		95	50 - 110
Benzo[k]fluoranthene	20.0	17.9		ug/L		89	49 - 110
Bis(2-chloroethoxy)methane	20.0	17.5		ug/L		88	43 - 110
Bis(2-chloroethyl)ether	20.0	17.6		ug/L		88	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	19.6		ug/L		98	39 - 116
Butyl benzyl phthalate	20.0	19.4		ug/L		97	55 - 110
Caprolactam	40.0	37.5		ug/L		94	45 - 111
Carbazole	20.0	19.6		ug/L		98	55 - 110
Chrysene	20.0	17.9		ug/L		90	55 - 110
Dibenz(a,h)anthracene	20.0	18.9		ug/L		94	49 - 110
Dibenzofuran	20.0	16.6		ug/L		83	51 - 110
Diethyl phthalate	20.0	19.1		ug/L		95	58 - 110
Dimethyl phthalate	20.0	18.7		ug/L		94	57 - 110
Di-n-butyl phthalate	20.0	21.2		ug/L		106	57 - 110
Di-n-octyl phthalate	20.0	17.8		ug/L		89	40 - 110
Fluoranthene	20.0	19.0		ug/L		95	54 - 110
Fluorene	20.0	17.3		ug/L		87	52 - 110
Hexachlorobenzene	20.0	16.9		ug/L		85	50 - 110
Hexachlorobutadiene	20.0	9.82		ug/L		49	33 - 110
Hexachlorocyclopentadiene	20.0	ND	*	ug/L		3	10 - 110
Hexachloroethane	20.0	10.3		ug/L		52	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	18.8		ug/L		94	50 - 110
Isophorone	20.0	17.6		ug/L		88	49 - 110
Naphthalene	20.0	14.3		ug/L		72	44 - 110
N-Nitrosodi-n-propylamine	20.0	18.6		ug/L		93	47 - 110
N-Nitrosodiphenylamine	40.0	35.9		ug/L		90	50 - 110
Pentachlorophenol	40.0	29.4		ug/L		73	18 - 110
Phenol	20.0	18.4		ug/L		92	33 - 110
Phenanthrene	20.0	18.1		ug/L		91	53 - 110
Pyrene	20.0	20.1		ug/L		100	52 - 110
3 & 4 Methylphenol	20.0	17.3		ug/L		86	44 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*79*		*20 - 110*
2-Fluorophenol (Surr)	*83*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*87*		*21 - 110*
Nitrobenzene-d5 (Surr)	*81*		*21 - 110*
Phenol-d5 (Surr)	*87*		*21 - 110*
Terphenyl-d14 (Surr)	*62*		*24 - 110*

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

Lab Sample ID: MB 240-87578/19-A
Matrix: Water
Analysis Batch: 87958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		05/29/13 07:56	05/31/13 09:38	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
2-Chlorophenol	ND		1.0	0.29	ug/L		05/29/13 07:56	05/31/13 09:38	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
2-Methylphenol	ND		1.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2-Nitroaniline	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
2-Nitrophenol	ND		2.0	0.28	ug/L		05/29/13 07:56	05/31/13 09:38	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		05/29/13 07:56	05/31/13 09:38	1
3-Nitroaniline	ND		2.0	0.28	ug/L		05/29/13 07:56	05/31/13 09:38	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		05/29/13 07:56	05/31/13 09:38	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
4-Chloroaniline	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		05/29/13 07:56	05/31/13 09:38	1
4-Nitroaniline	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
4-Nitrophenol	ND		5.0	2.4	ug/L		05/29/13 07:56	05/31/13 09:38	1
Acenaphthene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Acenaphthylene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Acetophenone	ND		1.0	0.34	ug/L		05/29/13 07:56	05/31/13 09:38	1
Anthracene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Atrazine	ND		1.0	0.34	ug/L		05/29/13 07:56	05/31/13 09:38	1
Benzaldehyde	ND		1.0	0.39	ug/L		05/29/13 07:56	05/31/13 09:38	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		05/29/13 07:56	05/31/13 09:38	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Bis(2-ethylhexyl) phthalate	0.849	J	2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
Butyl benzyl phthalate	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
Caprolactam	ND		5.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
Carbazole	ND		1.0	0.28	ug/L		05/29/13 07:56	05/31/13 09:38	1
Chrysene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Dibenzofuran	ND		1.0	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Diethyl phthalate	ND		2.0	0.60	ug/L		05/29/13 07:56	05/31/13 09:38	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		05/29/13 07:56	05/31/13 09:38	1
Di-n-butyl phthalate	ND		2.0	0.67	ug/L		05/29/13 07:56	05/31/13 09:38	1
Di-n-octyl phthalate	ND		2.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1

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

Lab Sample ID: MB 240-87578/19-A
Matrix: Water
Analysis Batch: 87958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Fluorene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		05/29/13 07:56	05/31/13 09:38	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
Hexachloroethane	ND		1.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Isophorone	ND		1.0	0.27	ug/L		05/29/13 07:56	05/31/13 09:38	1
Naphthalene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Nitrobenzene	ND		1.0	0.040	ug/L		05/29/13 07:56	05/31/13 09:38	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		05/29/13 07:56	05/31/13 09:38	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		05/29/13 07:56	05/31/13 09:38	1
Pentachlorophenol	ND		5.0	2.4	ug/L		05/29/13 07:56	05/31/13 09:38	1
Phenol	ND		1.0	0.60	ug/L		05/29/13 07:56	05/31/13 09:38	1
Phenanthrene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
Pyrene	ND		0.20	0.10	ug/L		05/29/13 07:56	05/31/13 09:38	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		05/29/13 07:56	05/31/13 09:38	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*05/29/13 07:56*	*05/31/13 09:38*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*20 - 110*	*05/29/13 07:56*	*05/31/13 09:38*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 110*	*05/29/13 07:56*	*05/31/13 09:38*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*21 - 110*	*05/29/13 07:56*	*05/31/13 09:38*	*1*
Nitrobenzene-d5 (Surr)	*89*		*21 - 110*	*05/29/13 07:56*	*05/31/13 09:38*	*1*
Phenol-d5 (Surr)	*84*		*21 - 110*	*05/29/13 07:56*	*05/31/13 09:38*	*1*
Terphenyl-d14 (Surr)	*96*		*24 - 110*	*05/29/13 07:56*	*05/31/13 09:38*	*1*

Lab Sample ID: LCS 240-87578/20-A
Matrix: Water
Analysis Batch: 87958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	12.4		ug/L		62	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	12.1		ug/L		61	37 - 110
2,4,5-Trichlorophenol	20.0	14.1		ug/L		71	48 - 110
2,4,6-Trichlorophenol	20.0	14.2		ug/L		71	45 - 110
2,4-Dichlorophenol	20.0	13.5		ug/L		68	41 - 110
2,4-Dimethylphenol	20.0	11.9		ug/L		59	32 - 110
2,4-Dinitrophenol	40.0	19.0		ug/L		47	10 - 110
2,4-Dinitrotoluene	20.0	12.9		ug/L		65	53 - 110
2-Chloronaphthalene	20.0	12.0		ug/L		60	43 - 110
2-Chlorophenol	20.0	13.9		ug/L		69	29 - 110
2-Methylnaphthalene	20.0	12.5		ug/L		62	45 - 110
2-Methylphenol	20.0	12.8		ug/L		64	42 - 110
2-Nitroaniline	20.0	12.5		ug/L		63	54 - 110

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

Lab Sample ID: LCS 240-87578/20-A
Matrix: Water
Analysis Batch: 87958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	20.0	12.6		ug/L		63	40 - 110
3,3'-Dichlorobenzidine	40.0	20.7		ug/L		52	22 - 110
3-Nitroaniline	20.0	12.5		ug/L		63	53 - 110
4,6-Dinitro-2-methylphenol	40.0	24.1		ug/L		60	31 - 110
4-Bromophenyl phenyl ether	20.0	13.8		ug/L		69	45 - 110
4-Chloro-3-methylphenol	20.0	14.1		ug/L		70	52 - 110
4-Chloroaniline	20.0	12.9		ug/L		64	44 - 110
4-Chlorophenyl phenyl ether	20.0	13.3		ug/L		67	47 - 110
4-Nitroaniline	20.0	13.1		ug/L		66	54 - 110
4-Nitrophenol	40.0	25.8		ug/L		64	33 - 112
Acenaphthene	20.0	12.6		ug/L		63	47 - 110
Acenaphthylene	20.0	12.7		ug/L		64	49 - 110
Anthracene	20.0	13.4		ug/L		67	52 - 110
Benzo[a]anthracene	20.0	13.1		ug/L		65	52 - 110
Benzo[a]pyrene	20.0	11.2		ug/L		56	44 - 110
Benzo[b]fluoranthene	20.0	11.8		ug/L		59	48 - 110
Benzo[g,h,i]perylene	20.0	13.6		ug/L		68	50 - 110
Benzo[k]fluoranthene	20.0	13.2		ug/L		66	49 - 110
Bis(2-chloroethoxy)methane	20.0	12.9		ug/L		64	43 - 110
Bis(2-chloroethyl)ether	20.0	13.0		ug/L		65	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	12.8		ug/L		64	39 - 116
Butyl benzyl phthalate	20.0	12.9		ug/L		64	55 - 110
Caprolactam	40.0	28.2		ug/L		70	45 - 111
Carbazole	20.0	13.8		ug/L		69	55 - 110
Chrysene	20.0	13.2		ug/L		66	55 - 110
Dibenz(a,h)anthracene	20.0	11.9		ug/L		59	49 - 110
Dibenzofuran	20.0	12.9		ug/L		64	51 - 110
Diethyl phthalate	20.0	13.3		ug/L		67	58 - 110
Dimethyl phthalate	20.0	13.1		ug/L		66	57 - 110
Di-n-butyl phthalate	20.0	14.1		ug/L		70	57 - 110
Di-n-octyl phthalate	20.0	11.8		ug/L		59	40 - 110
Fluoranthene	20.0	13.6		ug/L		68	54 - 110
Fluorene	20.0	12.7		ug/L		64	52 - 110
Hexachlorobenzene	20.0	13.2		ug/L		66	50 - 110
Hexachlorobutadiene	20.0	9.48		ug/L		47	33 - 110
Hexachlorocyclopentadiene	20.0	5.19	J	ug/L		26	10 - 110
Hexachloroethane	20.0	9.87		ug/L		49	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	11.7		ug/L		59	50 - 110
Isophorone	20.0	13.0		ug/L		65	49 - 110
Naphthalene	20.0	12.2		ug/L		61	44 - 110
N-Nitrosodi-n-propylamine	20.0	12.9		ug/L		65	47 - 110
N-Nitrosodiphenylamine	40.0	26.9		ug/L		67	50 - 110
Pentachlorophenol	40.0	26.2		ug/L		66	18 - 110
Phenol	20.0	13.9		ug/L		69	33 - 110
Phenanthrene	20.0	13.3		ug/L		67	53 - 110
Pyrene	20.0	13.4		ug/L		67	52 - 110
3 & 4 Methylphenol	20.0	13.3		ug/L		66	44 - 110

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

Lab Sample ID: LCS 240-87578/20-A
Matrix: Water
Analysis Batch: 87958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87578

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*59*		*20 - 110*
2-Fluorophenol (Surr)	*64*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*65*		*21 - 110*
Nitrobenzene-d5 (Surr)	*67*		*21 - 110*
Phenol-d5 (Surr)	*65*		*21 - 110*
Terphenyl-d14 (Surr)	*65*		*24 - 110*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-86298/1-A
Matrix: Water
Analysis Batch: 86742

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 86298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8.74	J	50	7.5	ug/L		05/17/13 07:49	05/20/13 13:33	1
Antimony	0.281	J	2.0	0.11	ug/L		05/17/13 07:49	05/20/13 13:33	1
Arsenic	0.106	J	3.0	0.063	ug/L		05/17/13 07:49	05/20/13 13:33	1
Barium	0.672	J	1.0	0.32	ug/L		05/17/13 07:49	05/20/13 13:33	1
Calcium	312	J	1000	27	ug/L		05/17/13 07:49	05/20/13 13:33	1
Cadmium	ND		1.0	0.026	ug/L		05/17/13 07:49	05/20/13 13:33	1
Cobalt	ND		1.0	0.020	ug/L		05/17/13 07:49	05/20/13 13:33	1
Chromium	ND		2.0	0.13	ug/L		05/17/13 07:49	05/20/13 13:33	1
Copper	0.826	J	2.0	0.24	ug/L		05/17/13 07:49	05/20/13 13:33	1
Iron	ND		100	12	ug/L		05/17/13 07:49	05/20/13 13:33	1
Magnesium	46.9	J	1000	15	ug/L		05/17/13 07:49	05/20/13 13:33	1
Potassium	12.6	J	1000	5.1	ug/L		05/17/13 07:49	05/20/13 13:33	1
Manganese	0.501	J	5.0	0.41	ug/L		05/17/13 07:49	05/20/13 13:33	1
Nickel	0.101	J	2.0	0.088	ug/L		05/17/13 07:49	05/20/13 13:33	1
Lead	ND		1.0	0.14	ug/L		05/17/13 07:49	05/20/13 13:33	1
Selenium	ND		5.0	0.34	ug/L		05/17/13 07:49	05/20/13 13:33	1
Thallium	ND		1.0	0.40	ug/L		05/17/13 07:49	05/20/13 13:33	1
Silver	0.0220	J	1.0	0.0083	ug/L		05/17/13 07:49	05/20/13 13:33	1
Sodium	64.4	J	1000	4.2	ug/L		05/17/13 07:49	05/20/13 13:33	1

Lab Sample ID: MB 240-86298/1-A
Matrix: Water
Analysis Batch: 86870

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 86298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		1.0	0.031	ug/L		05/17/13 07:49	05/21/13 13:15	1

Lab Sample ID: LCS 240-86298/2-A
Matrix: Water
Analysis Batch: 86742

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	8600		ug/L		86	80 - 120
Antimony	100	96.7		ug/L		97	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-86298/2-A
Matrix: Water
Analysis Batch: 86742

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	863		ug/L		86	80 - 120
Barium	1000	933		ug/L		93	80 - 120
Calcium	10000	8900		ug/L		89	80 - 120
Cadmium	1000	977		ug/L		98	80 - 120
Cobalt	1000	972		ug/L		97	80 - 120
Chromium	1000	941		ug/L		94	80 - 120
Copper	1000	984		ug/L		98	80 - 120
Iron	10000	9540		ug/L		95	80 - 120
Magnesium	10000	9360		ug/L		94	80 - 120
Potassium	10000	9180		ug/L		92	80 - 120
Manganese	1000	947		ug/L		95	80 - 120
Nickel	1000	972		ug/L		97	80 - 120
Lead	1000	930		ug/L		93	80 - 120
Selenium	1000	877		ug/L		88	80 - 120
Thallium	250	232		ug/L		93	80 - 120
Silver	100	93.6		ug/L		94	80 - 120
Sodium	10000	9230		ug/L		92	80 - 120

Lab Sample ID: LCS 240-86298/2-A
Matrix: Water
Analysis Batch: 86870

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	1000	918		ug/L		92	80 - 120

Lab Sample ID: MB 240-86872/1-A
Matrix: Water
Analysis Batch: 87229

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 86872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	18.7	J	20	2.1	ug/L		05/22/13 08:12	05/23/13 16:28	1

Lab Sample ID: LCS 240-86872/2-A
Matrix: Water
Analysis Batch: 87229

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1000	1000		ug/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-86294/1-A
Matrix: Water
Analysis Batch: 86587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		05/17/13 15:45	05/20/13 13:00	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 240-86294/2-A
Matrix: Water
Analysis Batch: 86587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.64		ug/L		93	81 - 123

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-87299/3
Matrix: Water
Analysis Batch: 87299

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.10	mg/L			05/24/13 16:02	1
Sulfate	ND		1.0	0.12	mg/L			05/24/13 16:02	1

Lab Sample ID: LCS 240-87299/4
Matrix: Water
Analysis Batch: 87299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.4		mg/L		105	90 - 110
Sulfate	50.0	49.6		mg/L		99	90 - 110

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-87193/7
Matrix: Water
Analysis Batch: 87193

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.20	0.035	mg/L			05/23/13 14:43	1

Lab Sample ID: LCS 240-87193/8
Matrix: Water
Analysis Batch: 87193

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	9.66		mg/L		108	85 - 114

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 180-73102/52
Matrix: Water
Analysis Batch: 73102

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.014	mg/L			05/28/13 14:54	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 180-73102/51
Matrix: Water
Analysis Batch: 73102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	4.00	4.25		mg/L		106	90 - 110

Method: 376.1 - Sulfide

Lab Sample ID: MB 240-86636/1
Matrix: Water
Analysis Batch: 86636

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			05/20/13 15:25	1

Lab Sample ID: LCS 240-86636/2
Matrix: Water
Analysis Batch: 86636

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	16.7	16.8		mg/L		100	79 - 110

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-86898/1-A
Matrix: Water
Analysis Batch: 86975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0032	mg/L		05/22/13 09:15	05/22/13 12:02	1

Lab Sample ID: LCS 240-86898/2-A
Matrix: Water
Analysis Batch: 86975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0519	0.0513		mg/L		99	69 - 118

Method: SM 3500 FE D - Iron, Ferrous

Lab Sample ID: MB 240-86263/3
Matrix: Water
Analysis Batch: 86263

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.050	0.018	mg/L			05/16/13 17:58	1

Method: SM 3500 FE D - Iron, Ferrous (Continued)

Lab Sample ID: LCS 240-86263/4
Matrix: Water
Analysis Batch: 86263

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	1.00	0.961		mg/L		96	86 - 117

GC/MS VOA

Analysis Batch: 175786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	8260B	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	8260B	
240-24471-3	TEST BLANK 19	Total/NA	Water	8260B	
LCS 280-175786/5	Lab Control Sample	Total/NA	Water	8260B	
MB 280-175786/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 86895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	3520C	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	3520C	
LCS 240-86895/24-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-86895/23-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 87400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	8270C	86895
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	8270C	86895
LCS 240-86895/24-A	Lab Control Sample	Total/NA	Water	8270C	86895
MB 240-86895/23-A	Method Blank	Total/NA	Water	8270C	86895

Prep Batch: 87578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1 - RE	MW-23S	Total/NA	Water	3520C	
240-24471-2 - RE	FIELD DUPLICATE 4	Total/NA	Water	3520C	
LCS 240-87578/20-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-87578/19-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 87958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1 - RE	MW-23S	Total/NA	Water	8270C	87578
240-24471-2 - RE	FIELD DUPLICATE 4	Total/NA	Water	8270C	87578
LCS 240-87578/20-A	Lab Control Sample	Total/NA	Water	8270C	87578
MB 240-87578/19-A	Method Blank	Total/NA	Water	8270C	87578

Metals

Prep Batch: 86294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	7470A	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	7470A	
LCS 240-86294/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-86294/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 86298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total Recoverable	Water	3005A	
240-24471-2	FIELD DUPLICATE 4	Total Recoverable	Water	3005A	
LCS 240-86298/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 86298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-86298/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 86587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	7470A	86294
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	7470A	86294
LCS 240-86294/2-A	Lab Control Sample	Total/NA	Water	7470A	86294
MB 240-86294/1-A	Method Blank	Total/NA	Water	7470A	86294

Analysis Batch: 86742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total Recoverable	Water	6020	86298
240-24471-2	FIELD DUPLICATE 4	Total Recoverable	Water	6020	86298
LCS 240-86298/2-A	Lab Control Sample	Total Recoverable	Water	6020	86298
MB 240-86298/1-A	Method Blank	Total Recoverable	Water	6020	86298

Analysis Batch: 86870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total Recoverable	Water	6020	86298
240-24471-2	FIELD DUPLICATE 4	Total Recoverable	Water	6020	86298
LCS 240-86298/2-A	Lab Control Sample	Total Recoverable	Water	6020	86298
MB 240-86298/1-A	Method Blank	Total Recoverable	Water	6020	86298

Prep Batch: 86872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total Recoverable	Water	3005A	
240-24471-2	FIELD DUPLICATE 4	Total Recoverable	Water	3005A	
LCS 240-86872/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-86872/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 87229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total Recoverable	Water	6020	86872
240-24471-2	FIELD DUPLICATE 4	Total Recoverable	Water	6020	86872
LCS 240-86872/2-A	Lab Control Sample	Total Recoverable	Water	6020	86872
MB 240-86872/1-A	Method Blank	Total Recoverable	Water	6020	86872

General Chemistry

Analysis Batch: 73102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	353.2	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	353.2	
LCS 180-73102/51	Lab Control Sample	Total/NA	Water	353.2	
MB 180-73102/52	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 86263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	SM 3500 FE D	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	SM 3500 FE D	

General Chemistry (Continued)

Analysis Batch: 86263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-86263/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MB 240-86263/3	Method Blank	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 86636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	376.1	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	376.1	
LCS 240-86636/2	Lab Control Sample	Total/NA	Water	376.1	
MB 240-86636/1	Method Blank	Total/NA	Water	376.1	

Prep Batch: 86898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	9012A	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	9012A	
LCS 240-86898/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-86898/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 86975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	9012A	86898
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	9012A	86898
LCS 240-86898/2-A	Lab Control Sample	Total/NA	Water	9012A	86898
MB 240-86898/1-A	Method Blank	Total/NA	Water	9012A	86898

Analysis Batch: 87193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	350.3	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	350.3	
LCS 240-87193/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-87193/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 87299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-24471-1	MW-23S	Total/NA	Water	300.0	
240-24471-2	FIELD DUPLICATE 4	Total/NA	Water	300.0	
LCS 240-87299/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-87299/3	Method Blank	Total/NA	Water	300.0	

Client Sample ID: MW-23S

Lab Sample ID: 240-24471-1

Date Collected: 05/16/13 08:10

Matrix: Water

Date Received: 05/16/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 13:55	MD	TAL DEN
Total/NA	Prep	3520C			86895	05/22/13 09:09	BM	TAL CAN
Total/NA	Analysis	8270C		1	87400	05/27/13 14:32	JG	TAL CAN
Total/NA	Prep	3520C	RE		87578	05/29/13 07:56	CC	TAL CAN
Total/NA	Analysis	8270C	RE	1	87958	05/31/13 12:47	JG	TAL CAN
Total/NA	Prep	7470A			86294	05/17/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 14:03	SG	TAL CAN
Total Recoverable	Prep	3005A			86298	05/17/13 07:49	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86742	05/20/13 14:38	RT	TAL CAN
Total Recoverable	Prep	3005A			86298	05/17/13 07:49	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86870	05/21/13 13:46	RT	TAL CAN
Total Recoverable	Prep	3005A			86872	05/22/13 08:12	LM	TAL CAN
Total Recoverable	Analysis	6020		1	87229	05/23/13 17:03	RT	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 15:41	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86263	05/16/13 17:58	BW	TAL CAN
Total/NA	Analysis	376.1		1	86636	05/20/13 16:06	JB	TAL CAN
Total/NA	Prep	9012A			86898	05/22/13 09:15	VP	TAL CAN
Total/NA	Analysis	9012A		1	86975	05/22/13 12:02	VP	TAL CAN
Total/NA	Analysis	350.3		1	87193	05/23/13 16:21	JB	TAL CAN
Total/NA	Analysis	300.0		1	87299	05/24/13 23:17	LG	TAL CAN

Client Sample ID: FIELD DUPLICATE 4

Lab Sample ID: 240-24471-2

Date Collected: 05/16/13 00:00

Matrix: Water

Date Received: 05/16/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 14:16	MD	TAL DEN
Total/NA	Prep	3520C			86895	05/22/13 09:09	BM	TAL CAN
Total/NA	Analysis	8270C		1	87400	05/27/13 14:59	JG	TAL CAN
Total/NA	Prep	3520C	RE		87578	05/29/13 07:56	CC	TAL CAN
Total/NA	Analysis	8270C	RE	1	87958	05/31/13 13:11	JG	TAL CAN
Total/NA	Prep	7470A			86294	05/17/13 15:45	AS	TAL CAN
Total/NA	Analysis	7470A		1	86587	05/20/13 14:05	SG	TAL CAN
Total Recoverable	Prep	3005A			86298	05/17/13 07:49	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86742	05/20/13 14:42	RT	TAL CAN
Total Recoverable	Prep	3005A			86298	05/17/13 07:49	AS	TAL CAN
Total Recoverable	Analysis	6020		1	86870	05/21/13 13:50	RT	TAL CAN
Total Recoverable	Prep	3005A			86872	05/22/13 08:12	LM	TAL CAN
Total Recoverable	Analysis	6020		1	87229	05/23/13 17:06	RT	TAL CAN
Total/NA	Analysis	353.2		1	73102	05/28/13 15:42	CK	TAL PIT
Total/NA	Analysis	SM 3500 FE D		1	86263	05/16/13 17:58	BW	TAL CAN
Total/NA	Analysis	376.1		1	86636	05/20/13 16:11	JB	TAL CAN

Lab Chronicle

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Client Sample ID: FIELD DUPLICATE 4

Lab Sample ID: 240-24471-2

Date Collected: 05/16/13 00:00
Matrix: Water
Date Received: 05/16/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			86898	05/22/13 09:15	VP	TAL CAN
Total/NA	Analysis	9012A		1	86975	05/22/13 12:02	VP	TAL CAN
Total/NA	Analysis	350.3		1	87193	05/23/13 16:25	JB	TAL CAN
Total/NA	Analysis	300.0		1	87299	05/24/13 23:35	LG	TAL CAN

Client Sample ID: TEST BLANK 19

Lab Sample ID: 240-24471-3

Date Collected: 05/16/13 00:00
Matrix: Water
Date Received: 05/16/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175786	05/24/13 14:37	MD	TAL DEN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Denver

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-13
A2LA	ISO/IEC 17025		2907.01	10-31-13
Alaska (UST)	State Program	10	UST-30	04-05-14
Arizona	State Program	9	AZ0713	12-19-13
Arkansas DEQ	State Program	6	88-0687	06-01-13
California	State Program	9	2513	08-31-14
Colorado	State Program	8	N/A	09-30-13
Connecticut	State Program	1	PH-0686	09-30-14
Florida	NELAP	4	E87667	06-30-13
Idaho	State Program	10	CO00026	09-30-13
Illinois	NELAP	5	200017	04-30-14
Iowa	State Program	7	370	12-01-14
Kansas	NELAP	7	E-10166	04-30-14
Louisiana	NELAP	6	30785	06-30-13
Maine	State Program	1	CO0002	03-03-15
Maryland	State Program	3	268	03-31-14
Minnesota	NELAP	5	8-999-405	12-31-13
Nevada	State Program	9	CO0026	07-30-13
New Hampshire	NELAP	1	205310	04-28-14
New Jersey	NELAP	2	CO004	06-30-13
New Mexico	State Program	6	CO00026	06-30-13
New York	NELAP	2	11964	04-01-14
North Carolina DENR	State Program	4	358	12-31-13
North Dakota	State Program	8	R-034	06-30-13
Oklahoma	State Program	6	8614	08-31-13

Client: EarthCon Consultants Inc
Project/Site: IEL Uniontown

TestAmerica Job ID: 240-24471-1

Laboratory: TestAmerica Denver (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Oregon	NELAP	10	CO200001	01-16-14
Pennsylvania	NELAP	3	68-00664	07-31-13
South Carolina	State Program	4	72002	06-30-13
Texas	NELAP	6	T104704183-08-TX	09-30-13
USDA	Federal		P330-08-00036	02-08-14
Utah	NELAP	8	QUAN5	06-30-13
Virginia	NELAP	3	460232	06-14-13
Washington	State Program	10	C583	08-03-13
West Virginia DEP	State Program	3	354	11-30-13
Wisconsin	State Program	5	999615430	08-31-13
Wyoming (UST)	A2LA	8		10-31-13

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
Earth Con	JD Haines	05-16-2013	014366
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
	216-314-0770		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
	Anka Wiencek	Nathan Pietrac	
Project Name and Location (State)	**Carrier/Waybill Number**		
IEL-Uniontown			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260 VOC	8270 SVOC	T Metals	Tot CN	Ferrous	Chloride	Sulfate	Sulfide	NH3	NO3/NO2
MW-23S	5/16/13	0810		X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Field Duplicate 4	5/16/13			X			3	1	1	3	1	1	X	X	X	X	X	X	X	X	X	X
Test Blank 19				X						2			X									

Special Instructions/ Conditions of Receipt

240-24471 Chain of Custody

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Anka Wien	5/16/13	1130	1. Received By: Douglas Glen	5/16/13	1120
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 1 Cooler

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative Login # : 24457
Canton Facility

Client Earth Con. Site Name _____ Cooler unpacked by: Derek W. Keen

Cooler Received on 5-16-13 Opened on 5-16-13

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # N/A Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –0 °C) Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	
IR GUN# 4G	(CF +1 °C) Observed Cooler Temp. 2.6 °C	Corrected Cooler Temp. 3.6 °C	☐ See Multiple Cooler Form
IR GUN# 5G	(CF +1 °C) Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC379740
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: Derek W. Keen

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-23S	240-24471-D-1	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
MW-23S	240-24471-E-1	Plastic 250ml - with Sodium	>12	_____	_____
MW-23S	240-24471-F-1	Plastic 500ml - with Zn Acetate and	>9	_____	_____
MW-23S	240-24471-H-1	Plastic 500ml - with Nitric Acid	<2	_____	_____
MW-23S	240-24471-I-1	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
FIELD DUPLICATE 4	240-24471-D-2	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
FIELD DUPLICATE 4	240-24471-E-2	Plastic 250ml - with Sodium	>12	_____	_____
FIELD DUPLICATE 4	240-24471-F-2	Plastic 500ml - with Zn Acetate and	>9	_____	_____
FIELD DUPLICATE 4	240-24471-H-2	Plastic 500ml - with Nitric Acid	<2	_____	_____
FIELD DUPLICATE 4	240-24471-I-2	Plastic 500ml - with Sulfuric Acid	<2	_____	_____

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24471-1

Login Number: 24471
List Number: 1
Creator: Mueller, Teresa D

List Source: TestAmerica Denver
List Creation: 05/23/13 03:17 PM

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

Login Sample Receipt Checklist

Client: EarthCon Consultants Inc

Job Number: 240-24471-1

Login Number: 24471
List Number: 1
Creator: O'Donnell, Brandon R

List Source: TestAmerica Pittsburgh
List Creation: 05/17/13 09:37 AM

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