August 16, 2013

Mr. Brian Cass
OHM Holdings, Inc.
W229 N2494 Hwy F
Waukesha, Wisconsin 53186

Re: Further Site Investigation Progress Report
One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, Wisconsin
BRRTS#: 02-68-552102

Dear Mr. Cass:

Environmental Forensic Investigations, Inc. (EnviroForensics) is pleased to provide this Further Site Investigation (FSI) Progress Report for the One Hour Martinizing (OHM) facility located at 13405 Watertown Plank Road in Elm Grove, Wisconsin (Site). The FSI was performed in accordance with Wisconsin Department of Natural Resources (WDNR) regulations and guidance regarding environmental investigations, and in accordance with the procedures presented in the *Progress Report and Work Scope for Further Site Investigations*, prepared by EnviroForensics and dated March 5, 2013. On-going site investigation activities are being performed in phases to fully define the nature and extent of impacts as required by NR-716 of the Wisconsin Administrative Code (WAC).

1.0 SITE DESCRIPTION

The Site is located at 13405 Watertown Plank Road, Elm Grove, Waukesha County, Wisconsin. The Site is occupied by a dry cleaning business owned and operated by OHM Holdings, Inc. Historical use of tetrachloroethylene (PCE) as a dry cleaning solvent was stopped at this facility in 2007, and the facility is now used as a drop off location for clothes that are cleaned only at a single facility that operates in Waukesha, Wisconsin. The location of the Site is depicted on a U.S.G.S. 1:24,000 scale topographic quadrangle map (**Figure 1**) and on **Figure 2**. Site improvements consist of a slab-on-grade, one-story commercial facility and an asphalt parking area. The Site is bound by Watertown Plank Road to the northwest, an asphalt parking lot and

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Underwood Creek to the southwest, an asphalt parking lot followed by commercial properties to the southeast, and a railroad right-of-way to the northeast. Underwood Creek flows through a concrete channel beneath the parking lot. The surrounding neighborhood consists of mixed commercial and residential properties.

2.0 SUMMARY OF CURRENT FURTHER SITE INVESTIGATION

2.1 Scope of Investigation

EnviroForensics staff conducted data collection activities during April and July, 2013. Data collection activities included:

- An assessment of publically available historical records and the WDNR contaminated lands database to identify former uses of surrounding properties and potential up-gradient sources of contamination;
- A detailed WDNR records review of one known historic dry cleaning site located approximately 100 feet south and 300 feet west of the OHM property;
- A review of Village of Elm Grove utility maps 200 feet east of the Site and 200 feet west of the Site along Watertown Plank Road to determine placement of utilities and locations of laterals that supply nearby buildings;
- Soil borings with soil samples collected at six (6) locations (B-19, B-21, B-22, B-23, B-25, and B-26) along buried utility lines using direct-push methods to evaluate the extent of impacts along these potential contaminant migration conduits;
- The collection of soil gas samples SG-3 and SG-4 at borings B-22 and B-23, respectively, to determine the potential for vapor migration within the Watertown Plank Road right-of-way;
- Completion of a soil boring with collection of soil samples and a groundwater grab sample at one (1) location within the dry cleaner building (B-20) using direct-push methods to determine the vertical extent of impacts within the suspected source area;
- The collection of groundwater grab samples at borings B-21 and B-26 using direct-push methods;
- The completion of one (1) direct-push soil boring (B-24) and the installation of one (1) water table monitoring well (MW-7) using hollow-stem auger methods to better determine the extent of soil and groundwater impacts;
- The installation of one (1) piezometer (PZ-1) using hollow-stem auger methods near existing water table well MW-4 to determine the vertical extent of groundwater impacts and the vertical groundwater flow gradient;

- Two (2) quarterly groundwater monitoring events, including groundwater elevation measurements and sample collection from all existing and new monitoring wells;
- Two (2) quarterly rounds of groundwater sampling from the on-site potable well, including one (1) sample from the potable well; and
- In-situ permeability (slug) testing in three (3) monitoring wells to determine the hydraulic conductivity of the uppermost saturated interval.

2.2 Investigative Procedures

Historical Records Assessment

EnviroForensics obtained historical and environmental-related information for the Site and surrounding properties from Environmental Data Resources, Inc. (EDR). The documents obtained from EDR include:

- Aerial photographs;
- City directory listings;
- Sanborn fire insurance maps; and
- State and federal environmental database search results.

EnviroForensics assessed the EDR documents with respect to potential upgradient source(s) of contamination.

On April 23, 2013, EnviroForensics performed a review of the WDNR case file for the Professional Center property located at 910 Elm Grove Road (BRRTS# 02-68-097365). A dry cleaning business historically operated at this property, and it is the site of a subsurface investigation that has been ongoing since 1994.

Soil and Grab Groundwater Sampling

Soil was collected continuously from direct-push borings B-19 through B-26. The soil boring locations are depicted on **Figure 2**. The samples were screened for volatile organic compounds (VOCs) in the field using a photo-ionization detector (PID) and logged by the field geologist. The soil descriptions and PID readings were recorded on the soil boring logs included in **Attachment 1**.

Two (2) soil samples were collected from each boring for laboratory analysis. The soil samples were collected from intervals exhibiting the highest PID readings and from other intervals determined by the field geologist to potentially represent a migration pathway, a confining layer,

the smear zone just above the water table, or other interval in an attempt to define the vertical distribution and extent of soil impacts. In addition, groundwater grab samples were collected through temporary wells placed in borings B-20, B-21 and B-26. The temporary wells were immediately abandoned after sample collection. All soil samples and the grab groundwater samples were transmitted to Pace Analytical Services of Green Bay, Wisconsin and analyzed for VOCs by EPA Method 8260.

Soil Gas Sampling

Soil gas sampling probes SG-3 and SG-4 were installed in soil borings B-22 and B-23, respectively as shown on **Figure 2**. Both probes were located in a grassy right-of-way area directly adjacent to Watertown Plank Road. B-22 was installed at a depth of 14 feet below ground surface (bgs), which is 3-4 feet above the water table, and B-23 was located to contact the backfill associated with a natural gas line at a depth of approximately 3 feet bgs. The probes were constructed of small diameter stainless steel screens connected to tubing that extended to the ground surface. Sand was added to the borehole until the screen was completely covered. Above the sand pack, hydrated bentonite was placed to seal the screened area off from the ambient air. Samples were collected in 1-liter Summa® canisters according to the procedures described in WDNR Publication RR-800 (refer to **Attachment 2** for soil gas field sampling logs). Soil gas samples SG-3 and SG-4 were collected and sent to Pace Analytical Services, Inc. and analyzed for VOCs by EPA Method TO-15.

Monitoring Well and Piezometer Installation

One (1) new permanent water table monitoring well (MW-7) and one (1) new piezometer (PZ-1) were installed during the current investigative phase. Well construction details are presented in **Table 1**, and monitoring well construction and development forms are provided in **Attachment 1**. The locations of the new wells are depicted on **Figure 2**. The new monitoring wells were drilled to depth using hollow stem auger (HSA) methods. MW-7 was constructed of 2-inch ID PVC riser and 10 feet of 2-inch ID, 0.010-inch slotted PVC well screen set from 15 to 25 feet bgs. PZ-1 was constructed with identical specifications with the exception of a 5-foot long screen set at 46 to 51 feet bgs. Sand filter pack materials were placed from the bottom of the screen up to two feet above the well screen and a bentonite seal was placed from two feet above the filter pack to the ground surface seal. The wells were completed at the surface with flush-mount covers set in concrete. An expandable locking cap and lock was placed on each well. The newly installed monitoring wells were developed in accordance with the requirements of WAC Chapter NR 141. The soil and purge water generated by the well installation and

development activities was placed in DOT 17H-rated 55 gallon drums for subsequent characterization and management.

Surveying Associates, Inc of Wauwatosa, Wisconsin was retained to record the elevation and location of the monitoring wells according to standard surveying methods. The horizontal and vertical grid coordinates of each monitoring well and soil boring location were recorded to within 0.1 foot and 0.01 foot, respectively. Horizontal locations were referenced to the State Plane Coordinate System.

Groundwater Monitoring

Depth to water measurements and groundwater samples were collected from all seven (7) water table monitoring wells (MW-1 through MW-7) and piezometer PZ-1 on April 24-25, 2013 and again on July 2-3, 2013. Prior to sampling, the wells were opened and allowed to equilibrate to atmospheric pressure. Depth to water was then measured to the nearest 0.01 foot with an electronic water level indicator. Groundwater samples were collected using low flow methodologies. Geochemical parameters including specific conductance, temperature, pH, dissolved oxygen, oxidation reduction potential and turbidity were measured and recorded at the start of purging and at definite intervals until parameters stabilized. The water quality parameters for each event were recorded on field forms, which are included in **Attachment 2**. All groundwater and associated QA/AC samples were collected in 40-milliliter vials, preserved with hydrochloric acid, and submitted under appropriate chain-of-custody procedures to Test America, Inc., University Park, Illinois (Test America) for analysis of VOCs using EPA Method SW-846 8260.

Potable Well Sampling

The potable water well at the Site was sampled during the April 2013 sampling event and again during the July 2013 sampling event. The depth of this well, measured using a water level indicator, was determined to be 55 feet. According to data collected regarding Site Geology, the potable well is screened within the unconsolidated sand and gravel overlying dolomite bedrock.

During the April 2013 sampling event, one (1) sample was collected from the potable well using a new, disposable, small-diameter bailer, and one (1) sample was collected from a spigot before the pressure tank for comparative purposes. During the July 2013 sampling event, one (1) sample was collected from the spigot, only. The spigot was heated using a propane torch to kill any bacteria on the outside of the spigot. The supply well was purged of three (3) well volumes

(approximately 75-gallons of water) prior to sample collection. A garden hose was connected to the aforementioned spigot, and water was allowed to purge directly from the well.

The potable well water samples were collected in 40-milliliter vials, preserved with hydrochloric acid, and submitted under appropriate chain-of-custody procedures to Test America for analysis of VOCs using EPA Method SW-846 8260.

Slug Testing

Slug testing was performed in monitoring wells MW-2, MW-4, and MW-7 to determine the average hydraulic conductivity of the saturated soil across the site. The hydraulic conductivity (typically denoted as K) is a site specific physical property of a saturated geologic material and relates to the amount of water that the geologic material can transmit. This property can be utilized to calculate the rate and volume of groundwater flow across the Site.

Two consecutive rising head tests were done in each well. A solid, 3-feet long, PVC rod (slug) was added to the well and the water level was allowed to equilibrate. The slug was then quickly removed from the well, and a transducer placed near the bottom of the well was activated to record the changes in water levels over time as recovery occurred. The raw recovery data was collected using a Solinst® water level datalogger. The data from monitoring wells MW-2 and MW-4 were analyzed according to both the Bouwer-Rice and Dagan methods utilizing AQTESOLV software. The data from monitoring well MW-7 were analyzed only by the Bouwer-Rice method utilizing AQTESOLV software. The input data and semi-log plots of the resultant best-fit curve matching procedure are located in **Attachment 3**.

2.3 Deviations from Scope

There were three (3) changes in the original scope as presented in the *Progress Report and Work Scope for Further Site Investigations*, prepared by EnviroForensics and dated March 5, 2013.

First, a permanent water table observation well was initially planned for the location of B-26. However, the Village of Elm Grove did not want a permanent well in their Watertown Plank Road right-of-way, if at all possible. A decision was made to instead collect a groundwater grab sample at this location.

Secondly, a well nest consisting of a water table observation well and a piezometer was initially planned at the location of B-21. During discussions with WDNR project manager, Jim Delwiche, it was felt that better information would be gained by relocating the deeper piezometer

closer to the south property boundary. Since a grab water sample was planned from boring B-20, a decision was made to forego the installation of the planned water table observation well near boring B-21 and to relocate PZ-1 close to existing water table observation well MW-4, which had been installed at the southern property boundary.

Lastly, the Village of Elm Grove also requested that a sanitary catchment basin located near the sidewalk along Watertown Plank Road be accessed and that a sample of any standing effluent be collected and analyzed for VOC.

2.4 Investigative Results

Historical Records Assessment

The 1996 and 2001 city directories lists at least one dry cleaner – Carriage Cleaners and/or Spic and Span Dry Cleaning – as occupants of 13425 Watertown Plank Road, the current address for both the Sendik's grocery store and "strip mall" southwest of the Site. There are currently no dry cleaners at this address and there is no information regarding releases or subsurface investigations associated with these dry cleaners. These businesses would have been located downgradient or side-gradient of the Site and are not expected to have contributed groundwater impacts to the Site.

Chlorinated volatile organic compounds (CVOCs) were detected in soil during an underground storage tank (UST) investigation at Reinders, Inc., located at 13400 Watertown Plank Road, northwest of the Site. Reinders, Inc. is a distributor of landscaping and irrigation supplies and equipment. The CVOCs were detected in soil samples collected toward the south end of the property. The WDNR issued a no further action letter for this site on April 25, 2012. There is no report of CVOC impacts to groundwater in the case closure documentation.

The extent of groundwater impacts associated with the Professional Center property (910 Elm Grove Road) is defined to within approximately 250 feet of the building at that property. The direction of groundwater flow is reportedly toward the northeast (i.e. toward the Sendik's grocery store). Based on the investigation data evaluated by EnviroForensics, contamination from this property is not expected to have affected the Site.

Geology and Hydrogeology

The upper layer of bedrock in the Site area is Silurian-age Niagara Dolomite. Most water supply wells in the area are constructed within this aquifer, based on our review of well construction reports of local potable water supply wells. However, several private water supply wells were also found to be constructed within the unconsolidated sand and gravel overlying bedrock. Based on the well construction reports, the depth to bedrock in the area is highly variable and may be anywhere from 55 to 100 feet within a few hundred lateral feet of the Site. Bedrock was encountered at the Site during the installation of piezometer PZ-1 at a depth of 51 feet.

The Niagara Dolomite is overlain by glacial till. Glacial till is typically associated with undifferentiated mixes of silt, clay, sand, gravel, cobbles, and boulders deposited in place by melting glaciers. Under certain flowing water conditions this material can be deposited, or re-worked into deposits, which are more uniform and well-sorted. The glacial till was deposited during the Woodfordian Substage of the Late Wisconsinan Stage of glaciation. There were several advances and retreats of the continental glacier during this Stage, which resulted in several moraine deposits aligned parallel to Lake Michigan in Milwaukee and Waukesha Counties. Unconsolidated soil at the Site is expected to be associated with the Tinley Moraine and of the Oak Creek Formation.

Soil samples for lithological classification were collected from all direct-push borings. The soil boring logs are presented in **Attachment 1**. Site soil was observed to consist of between one to two feet of fill at the surface. The upper 7 to 9 feet of material consists of moderately-sorted layers and lenses of silt, clay, sand, and gravel. Below roughly 9 feet bgs, the layers and lenses become coarser in texture and are composed mainly of sand to the total depth of the borings, with some layers or lenses of gravel present. Groundwater has been encountered in monitoring wells at between 13 to 19 feet bgs at various times of the year.

The moderately-sorted layers and lenses of soil is not typical of glacially-deposited till and may be the result of glacio-fluvial deposition, or repeated erosion and subsequent deposition caused by nearby Underwood Creek during historic flood stage conditions. This creek flows within approximately 50 feet of the Site to the west. The creek has been urbanized for storm water control, and is currently contained within a concrete-lined channel. The creek flows under the access roadway and parking lot immediately adjacent to the Site to the west.

Groundwater elevations were measured on April 24 and July 2, 2013 (**Table 2**). These elevations were plotted and the direction of groundwater flow determined. As can be seen on

Figures 3 and 4, groundwater flow was in the south to southeast direction during these monitoring events. The direction of groundwater flow has not significantly deviated over time.

The hydraulic gradient (potential for groundwater flow) can be measured as the change in hydraulic head (change in groundwater elevation in feet) over distance in feet of that change. Using **Figure 4**, the average hydraulic gradient (I) at the site in April, 2013 was calculated as: I= 0.14 ft (change in head)/89 ft (distance between the change in head), or I=0.00157. This value is relatively low.

The results of slug testing indicate that the saturated soil contains higher hydraulic conductivity (K) values in the areas of monitoring wells MW-4 and MW-7 [between 4.77×10^{-5} feet per second (ft/s) and 8.12×10^{-5} ft/s], and lower K values along the east property boundary near MW-2 at 5.75×10^{-6} ft/s. These values of hydraulic conductivity are relatively high and indicate that Site soil is permeable and has the ability to perform as an aquifer to deliver economic quantities of water. This assessment is further justified by the fact that the water supply well for the Site, along with some water supply wells for nearby properties, are completed within the unconsolidated soil.

The groundwater flow velocity (v) can be calculated using the above values for hydraulic conductivity and hydraulic gradient as: $v = KI/n$, where n = the effective porosity of the soil. The value n is estimated for this type of soil at 28%. Using the low and high ranges of K determined through slug testing, the groundwater flow velocity across the Site ranges between 3.20×10^{-8} ft/s (1.01 ft/year) along the northeastern portion of the Site, and up to 4.55×10^{-7} ft/s (14.4 ft/year) along the southwestern portion of the Site.

Groundwater elevations measured in piezometer PZ-1 and water table observation well MW-4 were compared to determine the vertical direction of groundwater flow. The groundwater elevations were higher in PZ-1 than in MW-4, which indicates an upward component of groundwater flow at this location during this monitoring event. An upward vertical gradient indicates that the unconsolidated aquifer was discharging at this location. The discharge source is likely the nearby Underwood Creek, which may have been receiving groundwater from the aquifer in April. At various times of the year (as was the case in April), Underwood Creek could be acting to receive groundwater from the aquifer (aquifer discharging). At other times of the year, Underwood Creek could be supplying groundwater to the local aquifer (aquifer recharging condition). Additional water level measurements in well nest MW-4/PZ-1 are needed to determine whether the aquifer discharging condition is seasonal, or steady-state.

Soil and Grab Groundwater Sample Analytical Results

All previous and new (borings B-19 through B-26) soil sample analytical results are summarized in **Tables 3 and 4**, and depicted on **Figure 5**. The laboratory analytical results sheets are presented in **Attachment 4**. As can be seen on **Table 3** and **Figure 5**, all new soil borings, except borings B-23 and PZ-1, contained concentrations of CVOC at various depths which exceed the WDNR Residual Contaminant Levels (RCL) for protection of groundwater. The highest concentrations of PCE were 43,700 micrograms per kilogram (ug/kg) and 60,000 ug/kg detected in borings B-20 and B-24, respectively. B-20 was completed within the dry cleaning building near the former location of the dry cleaning machine, and B-24 was completed very near the location of the sanitary sewer lateral. In addition and as can be seen on **Table 4 and Figure 5**, the concentrations of both tetrachloroethylene (PCE) and trichloroethylene (TCE) in these borings exceeded the WDNR Residential RCL for direct contact exposure. PCE degrades to TCE, dichloroethylene (DCE) and vinyl chloride by natural microbial digestion under anaerobic (septic) conditions. Both TCE and DCE were detected in concentrations exceeding the WDNR RCL for protection of groundwater in new borings B-20, B-21, and B-24.

Grab groundwater samples were collected from temporary wells placed in soil borings B-20 and B-26, located as shown on **Figure 2**. As can be seen on **Figure 5** and in **Table 5**, CVOC were not detected in the grab water samples collected from borings B-21 and B-26. The groundwater sample from boring B-20 contained PCE and TCE at concentrations which exceeded the WDNR Preventative Action Limit (PAL) for groundwater, but did not exceed the WDNR Enforcement Standard (ES).

Groundwater Monitoring Well Sampling Results

The analytical results of groundwater samples collected from Site monitoring wells are summarized in **Table 6** and depicted on **Figure 6**. The laboratory reports associated with the groundwater monitoring events are provided in **Attachment 5**.

During the April 2013 sampling event, samples collected from existing monitoring wells MW-5, MW-6, and newly installed well MW-7 contained PCE at concentrations exceeding the ES of 5 micrograms per liter (ug/l) for this compound. In addition, the MW-6 sample contained TCE at a concentration exceeding the ES of 5 ug/l, and the MW-7 sample contained both TCE and vinyl chloride at concentrations exceeding the ESs for these compounds and cis-1,2-dichloroethylene (cis-1,2-DCE) at 50 ug/l, exceeding the WDNR PAL of 7 ug/l. CVOC were not detected above laboratory detection limits in monitoring wells MW-1, MW-2, MW-3, MW-4, and PZ-1.

During the July 2013 sampling event, samples collected from monitoring wells MW-5, MW-6, and MW-7 contained PCE at concentrations similar to those observed during April 2013. The PCE concentrations ranged from 53 ug/l in MW-5 to 510 ug/l in MW-6, exceeding the ES of 5 ug/l. Monitoring well samples MW-6 and MW-7 each contained TCE at concentrations exceeding the ES of 5 ug/l. In addition, the MW-7 sample contained cis-1,2-DCE and vinyl chloride at concentrations exceeding the ESs of 7 ug/l and 0.2 ug/l, respectively. As observed during the April 2013 sampling event, CVOC were not detected above laboratory detection limits in monitoring wells MW-1, MW-2, MW-3, MW-4, and PZ-1.

Potable Well Sampling Results

The analytical results of water samples collected from the potable water well are summarized in **Table 6** and depicted on **Figure 6**. The laboratory report is provided in **Attachment 5**. The samples collected during the April 2013 sampling event, including both the bailer sample collected directly from the well and the sample collected from the spigot, contained PCE and TCE at concentrations exceeding the WDNR PAL of 0.5 ug/l for these compounds. However, CVOC were not detected in the potable well sample collected during the July 2013 sampling event.

Soil Gas Analytical Results

Soil gas analytical results are summarized in **Table 7** and depicted on **Figure 7**. The laboratory report associated with the soil gas samples is provided in **Attachment 6**. The soil gas results shown on **Table 7** are compared to WDNR vapor risk screening levels (VRSLs) for deep soil gas samples. The compounds detected in soil gas sample SG-3 were PCE at a concentration of 8,130 micrograms per cubic meter (ug/m^3) and TCE at a concentration of 82.6 ug/m^3. Sample SG-4 contained a few fuel-related compounds and PCE at a concentration of 4.7 ug/m^3.

The concentration of PCE in soil gas at SG-3 is above the residential VRSL of 4,200 ug/m^3, but below the commercial/industrial VRSL of 18,000 ug/m^3. No other detected compounds exceeded their respective VRSL in either SG-3 or SG-4.

3.0 SITE CONCEPTUAL MODEL

The geology of the Site consists of approximately 55 feet of unconsolidated soil overlying dolomite bedrock. The unconsolidated deposits from the surface to a depth of approximately 9 feet consist of moderately sorted layers and lenses of silt, clay, sand, and gravel, which may be over-bank deposits from nearby Underwood Creek during historic time. Below 9 feet, the soil

becomes predominantly sand with some gravel seams. The water table at the Site resides within the unconsolidated deposits at a depth of approximately 16 feet. These deposits have good permeability to supply economic quantities of water, and some local private water supply wells utilize this aquifer, including the Site water supply well. Other wells in the area utilize the dolomite aquifer for water supply. The unconsolidated aquifer and dolomite aquifer have a direct hydraulic connection. The direction of groundwater flow in the immediate area of the Site is consistently to the south-southeast. The hydraulic gradient measured across the Site is relatively low, but given the higher permeability of the unconsolidated deposits measured from slug testing, the velocity of groundwater flow is moderate at between 1 to 14 feet per year.

The primary contaminants detected in the subsurface media (soil, groundwater, soil gas, and sub-slab vapor) at the Site are the dry cleaning solvent PCE and to a lesser extent the breakdown products of naturally occurring microbial degradation including: TCE, cis-1,2-DCE, and vinyl chloride. The production of each subsequent degradation compound involves the loss of one chlorine atom. PCE will usually only undergo complete degradation under anaerobic (septic) conditions. There are also low concentrations of petroleum compounds detected in various samples collected from the Site. The source of these compounds are unknown, but are typically related to leaking underground and aboveground petroleum storage tanks. A review of historic documents did not indicate that the Site has ever utilized these types of storage tanks. However, there is a confirmed release of petroleum compounds from the nearby fuel station adjacent to the railway system located to the east.

Based on the current data, the extent of PCE in soil exceeding the WDNR RCL for protection of groundwater has been approximated and visually depicted on **Figure 5**. It appears that there are four (4) isolated areas of soil impacts. At one location (SB-15/MW-5), soil in the upper 4 feet contained a concentration of PCE exceeding the WDNR RCL for direct contact exposure in commercial/industrial settings. The isolated area inside the dry cleaning building is likely related to historic releases from the former dry cleaning machine. The cause of contamination in the area outside the building near MW-5 is unknown. However, these two areas of impact appear to have originated from surface releases because concentrations of PCE in these locations are typically higher at the surface than they are at depth. Conversely, the two areas of impact located to the north and west of the Site may be related to transport of contaminants through the backfill of the sanitary sewer lateral, or through leaks in the sanitary pipe itself because the sanitary lateral is buried to a depth just above the water table and concentrations of PCE in these areas increase with depth.

Based on the current data, the extent of CVOC in groundwater exceeding WDNR groundwater ES has been approximated and visually depicted on **Figure 6**. From the distribution seen, it

appears that there are 4 somewhat isolated areas of groundwater impacts, which are remote from the dry cleaning building. It is currently unknown why the impacts appear to be widely scattered across the site and isolated. It is possible that the two areas east of the building are related to surface releases from former locations of containers used for discarding used dry cleaning filters, or they are the locations of historic accidental spills. The two areas north and west of the building are hydraulically up-gradient and may have resulted from similar circumstances. However, these areas are also very near the sanitary sewer lateral, which lies just above the water table, could be leaky, and could have transported PCE in waste water to these locations over time.

Based on the concentrations of CVOC detected in soil and sub-slab vapor samples, the source of contamination appears to be near the former dry cleaning machine location. However, the distribution of CVOC impacts across the Site, including impacts to soil, soil gas, and groundwater, indicates that utility corridors are acting as transport conduits for the migration of CVOC away from the source area. This possibility is supported by elevated detections of CVOC in close proximity to, and at the relative depths of, sanitary sewer lines, natural gas lines, underground electric lines, and a water supply line, as can be seen on **Figures 5, 6 and 7**. Soil and soil gas impacts detected northwest of the dry cleaning building at HA-1 may indicate transport of PCE, and PCE vapors, along the sanitary sewer corridor, which extends downward from the dry cleaning building to a depth of 14 to 16 feet at the location of HA-1. This preferential migration may account for the concentrations of PCE detected at both B-9 and B-16/MW-6, as some lateral migration of PCE would be expected and could be accentuated by a fluctuating groundwater table.

4.0 CONCLUSIONS

PCE and associated degradation products continue to represent the primary contaminants of concern detected in the subsurface. An evaluation of the investigation data collected to date suggests that the source of contamination is near the former dry cleaning machine, with potential secondary releases at former outdoor storage areas and along the sanitary sewer.

Releases of CVOC on adjacent sites were identified through historical research. However, based on a review of the available information, there is no evidence to suggest that these releases have caused impacts to the Site.

The nature and extent of subsurface impacts at the Site has not been fully delineated. Further site investigations are needed in and around utility corridors, as well as other areas, to determine the

magnitude and extent of impacts. A separate work scope and cost estimate for additional Site investigation activities will be prepared to address the data gaps.

We appreciate the opportunity to provide you with this FSI Progress Report and look forward to continuing to work with you on this project. If you have any questions or require additional information, please don't hesitate to contact me at 414-982-3988.

Sincerely,
Environmental Forensic Investigations, Inc.

Wayne Fassbender, P.G., P.M.P.
Senior Project Manager

cc: Andrew Skwierawski, Friebert, Finerty & St. John, S.C.
Ted Warpinski, Friebert, Finerty & St. John, S.C.
Jene Bastian, Travelers Insurance
Daniel Graves, Travelers Insurance

Attachments

TABLE 1
MONITORING WELL CONSTRUCTION INFORMATION
One Hour Martinizing Cleaners
Elm Grove, Wisconsin

Monitoring Well ID	Date Installed	Northing	Easting	Top of Casing Elevation (amsl)	Ground Elevation (amsl)	Total Depth (ft bgs)	Screened Interval (ft bgs)
MW-1	11/09/09	385,917.65	2,513,553.97	741.88	742.14	20	10-20
MW-2	11/09/09	385,990.56	2,513,583.23	743.40	743.87	20	10-20
MW-3	11/10/09	385,944.57	2,513,570.64	742.94	743.33	20	10-20
MW-4	11/10/09	385,907.67	2,513,624.16	741.88	742.20	20	10-20
MW-5	10/23/12	385,961.16	2,513,621.20	742.96	743.36	25	15-25
MW-6	10/23/12	386,018.16	2,513,534.92	744.05	744.51	25	15-25
MW-7	04/09/13	385,983.68	2,513,489.58	742.95	743.38	25	15-25
PZ-1	04/08/13	385,909.07	2,513,618.36	741.81	741.81	51	46-51

Notes:

All well were installed by On-Site Environmental using hollow stem auger methods
All wells 2-inch diameter
Horizontal coordinates are State Plane, Wisconsin Southern Zone, NAD 27
ft bgs = feet below ground surface
amsl = feet above mean sea level

TABLE 2
GROUNDWATER ELEVATION DATA
One Hour Martinizing
Elm Grove, Wisconsin

Well	Date	TOC Elevation (feet AMSL)	DTW (feet)	Groundwater Elevation (feet amsl)
MW-1	11/19/2009	741.88	15.50	726.38
	9/16/2010	741.88	14.24	727.64
	4/25/2011	741.88	14.40	727.48
	9/7/2011	741.88	15.38	726.50
	12/21/2011	741.88	15.79	726.09
	2/12/2012	741.88	16.26	725.62
	10/24/2012	741.88	17.04	724.84
	4/24/2013	741.88	13.24	728.64
	7/2/2013	741.88	13.19	728.69
MW-2	11/19/2009	743.40	16.94	726.46
	9/16/2010	743.40	15.60	727.80
	4/25/2011	743.40	16.03	727.37
	9/7/2011	743.40	16.82	726.58
	12/21/2011	743.40	17.27	726.13
	2/12/2012	743.40	17.74	725.66
	10/24/2012	743.40	18.52	724.88
	4/24/2013	743.40	14.68	728.72
	7/2/2013	743.40	14.60	728.80
MW-3	11/19/2009	742.94	16.53	726.41
	9/16/2010	742.94	15.25	727.69
	4/25/2011	742.94	15.66	727.28
	9/7/2011	742.94	16.44	726.50
	12/21/2011	742.94	16.50	726.44
	2/12/2012	742.94	17.32	725.62
	10/24/2012	742.94	18.10	724.84
	4/24/2013	742.94	14.28	728.66
	7/2/2013	742.94	14.21	728.73
MW-4	11/19/2009	741.88	15.51	726.37
	9/16/2010	741.88	14.28	727.60
	4/25/2011	741.88	14.63	727.25
	9/7/2011	741.88	15.46	726.42
	12/21/2011	741.88	15.89	725.99
	2/12/2012	741.88	16.36	725.52
	10/24/2012	741.88	17.11	724.77
	4/24/2013	741.88	13.31	728.57
	7/2/2013	741.88	13.23	728.65
MW-5	10/24/2012	742.96	18.12	724.84
	4/24/2013	742.96	14.31	728.65
	7/2/2013	742.96	14.23	728.73

TABLE 2
GROUNDWATER ELEVATION DATA
One Hour Martinizing
Elm Grove, Wisconsin

Well	Date	TOC Elevation (feet AMSL)	DTW (feet)	Groundwater Elevation (feet amsl)
MW-6	10/24/2012	744.05	19.14	724.91
	4/24/2013	744.05	15.27	728.78
	7/2/2013	744.05	15.20	728.85
MW-7	4/24/2013	742.95	14.21	728.74
	7/2/2013	742.95	14.11	728.84
PZ-1	4/24/2013	741.81	13.11	728.70
	7/2/2013	741.81	13.00	728.81

Notes:
AMSL = above mean sea level
DTW = depth to water, below top of casing (TOC)
TOC = Top of Casing in feet above mean sea level (amsl)

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS INDICATING CONCENTRATIONS EXCEEDING THE MIGRATION TO GROUNDWATER RESIDUAL CONTAMINANT LEVELS

One Hour Martinizing
Elm Grove, Wisconsin

Location	Sample Name	Sample Date	Sample Depth	Tetrachloroetheylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Ethylbenzene	Hexachloro-1,3-butadiene	Methylene Chloride	Napthalene	1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Isopropylbenzene (Cumene)	n-Propylbenzene	Xylenes, Total
Soil to Groundwater Residual Contaminant Level *				**4.5**	**3.6**	**41.2**	**58.8**	**0.1**	**1,570**	**0.5**	**2.6**	**659**	**0.2**	**1,394**	**1,380**	**1,384**	**1,270**	**990**	**19,700**
GP-1	GP-1	2/20/2006	2-4	**25,000**	**280**	**370**	<28	<39	<28	<39	<55	79	<28	<28	<28	<28	<28	<28	<94
GP-2	GP-2	2/20/2006	8-10	**13,000**	<27	<27	<27	<38	30	<38	<54	120	<27	92	40	83	<27	<27	120
GP-3	GP-3	2/20/2006	2-4	**97,000**	**130**	<27	<27	<38	<27	<38	<55	100	<27	42	<27	46	<27	<27	<93
GP-4	GP-4	2/20/2006	4-6	**1,600**	<30	<42	<30	<30	<30	<42	<60	<60	<30	<30	<30	<30	<30	<30	<100
MW-1	6142-MW-1	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**77.6**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**84.3**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
MW-2	6142-MW-2	11/10/2009	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**134**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			12-14	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**107**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
MW-3	6142-MW-3	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**109**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**116**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
MW-4	6142-MW-4	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**178**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			10-12	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**89.7**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-2 (MW-3)	6142-DUP-2	11/10/2009	8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**83.6**	**79.5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-5	6142-DP-5	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**32.2 J**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-6	6142-DP-6	11/10/2009	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**27.9 J**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			12-14	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**30.5 J**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-7	6142-DP-7	11/10/2009	4-6	**1,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**119**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			10-12	**148**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**84.2**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-8	6142-DP-8	11/10/2009	6-8	**2,020**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**76.2**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			10-12	**5,950**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**97.5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-1 (MW-3)	6142-DUP-1	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**123**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-9	6142-B-9	6/17/2011	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	43.1 J	<25.0	29.5 J	<25.0	42.8 J	<25.0	<25.0	32.1 J
			13-15	**494**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-10	6142-B-10	6/17/2011	4-6	**5,420**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			12-14	**49,500**	<250	<250	<250	<250	<250	<264	<250	<250	<250	<250	<250	<250	<25.0	<25.0	<500
B-11	6142-B-11	6/17/2011	4-6	**21,900**	<100	<100	<100	<100	<100	<106	<100	<100	<100	<100	<100	<100	<25.0	<25.0	<200
			10-12	**1,200**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-12	6142-B-12	6/17/2011	7-9	**364**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			13-15	**121**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS INDICATING CONCENTRATIONS EXCEEDING THE MIGRATION TO GROUNDWATER RESIDUAL CONTAMINANT LEVELS

One Hour Martinizing
Elm Grove, Wisconsin

Location	Sample Name	Sample Date	Sample Depth	Tetrachloroetheylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Ethylbenzene	Hexachloro-1,3-butadiene	Methylene Chloride	Napthalene	1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Isopropylbenzene (Cumene)	n-Propylbenzene	Xylenes, Total
Soil to Groundwater Residual Contaminant Level *				**4.5**	**3.6**	**41.2**	**58.8**	**0.1**	**1,570**	**0.5**	**2.6**	**659**	**0.2**	**1,394**	**1,380**	**1,384**	**1,270**	**990**	**19,700**
B-13	6142-B-13	6/17/2011	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			11-13	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	**47.1 J**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-14	6142-B-14	6/17/2011	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	87.9	<25.0	126	44.9 J	<25.0	<25.0	33.8 J	<50.0
			13-15	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-1 (B-10)	6142-DUP-1	6/17/2011	4-6	**3,690**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-2 (B-12)	6142-DUP-2	6/17/2011	7-9	**577**	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-15	6142-B-15	10/22/2012	2.5-5	**360,000**	**400**	<32	<66	<27	<13	<91	<180	<130	**110**	<55	<54	<30	<66	<46	<18
			10-12.5	**6,000**	<17	<11	<23	<9.6	<12	<32	<63	<46	<32	<20	<19	<11	<23	<16	<6.3
B-16	6142-B-16	10/22/2012	2.5-5	**79**	<20	<37	<27	<11	<14	<37	<73	<53	<37	<23	<22	<12	<27	<19	<7.3
			10-12.5	**180**	<9.8	<6.5	<13	<5.5	<6.6	<18	<36	<26	<18	<11	<11	<6.1	<13	<9.2	<3.6
			15-17.5	**17,000**	**39.0 J**	<11	<23	<9.4	<11	<31	<62	<45	<31	<19	<19	<10	<23	<16	<6.2
B-17	6142-B-17	10/22/2012	2.5-5	<20	<22	<15	<30	<12	<15	<41	<82	<59	<41	<25	<25	<14	<30	<21	<8.2
			12.5-15	<19	<21	<14	<28	<12	<14	<39	<78	<56	<39	<24	<23	<13	<28	<20	<7.8
B-18	6142-B-18	10/22/2012	5-7.5	**540**	<20	<13	<27	<11	<14	<37	<74	<53	<37	<23	<22	<12	<27	<19	<7.4
			12.5-15	**1,700**	<18	<12	<24	<9.9	<12	<33	<65	<47	<33	<20	<20	<11	<24	<17	<6.5
HA-1	6142-HA-1	10/22/2012	2.5-5	**120**	<15	<10	<21	<8.6	<10	<29	<56	<41	<29	<17	<17	<9.5	<21	<14	<5.6
			12.5-14.5	**4,200**	<16	<10	<21	<8.8	<11	<29	<58	<42	<29	<18	<17	<9.7	<21	<15	<5.8
HA-2	6142-HA-2	10/22/2012	2-4.25	<24	<26	<17	<35	<15	<18	<49	<96	79 J	<49	<30	<29	<16	<35	<25	100
B-19	6142-B-19	4/9/2013	4-6	**2,760**	<37.3	<37.3	<37.3	<37.3	<37.3	<37.3	**86.8 J**	<37.3	<37.3	<37.3	<37.3	<37.3	<37.3	<37.3	<74.6
			14-15	**1,800**	<47.2	<47.2	<47.2	<47.2	<47.2	<47.2	**106 J**	<47.2	<47.2	<47.2	<47.2	<47.2	<47.2	<47.2	<94.3
B-20	6142-B-20	4/8/2013	3-4	**4,430**	**879**	**41.6 J**	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<56.8
			8-10	**653**	**297**	**638**	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<52.1
			14-16	**43,700**	<247	<247	<247	<247	<247	<247	**798**	<247	<247	<247	<247	<247	<247	<247	<494
B-21	6142-B-21	4/8/2013	4-6	**3,570**	**282**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			9-11	**477**	<36.2	**75.4 J**	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<72.5
			15-16	**203**	**159**	29.0 J	<25.0	<25.0	<25.0	<25.0	**55.3 J**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-22	6142-B-22	4/10/2013	4-6	**311**	<46.3	<46.3	<46.3	<46.3	<46.3	<46.3	**89.1 J**	<46.3	<46.3	<46.3	<46.3	<46.3	<46.3	<46.3	<92.6
			12-14	**4,530**	<44.6	<44.6	<44.6	<44.6	<44.6	<44.6	**149**	<44.6	<44.6	<44.6	<44.6	<44.6	<44.6	<44.6	<89.3
B-23	6142-B-23	4/9/2013	2-3	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	**83.7 J**	134	<43.9	67.1 J	<43.9	<43.9	<43.9	<43.9	<87.7
B-24	6142-B-24	4/9/2013	4-6	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	66.1 J	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<52.1
			14-15	**60,000**	**1,160**	**435 J**	<312	<312	<312	<312	<312	<312	<312	<312	<312	<312	<312	<312	<625

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS INDICATING CONCENTRATIONS EXCEEDING THE MIGRATION TO GROUNDWATER RESIDUAL CONTAMINANT LEVELS

One Hour Martinizing
Elm Grove, Wisconsin

Location	Sample Name	Sample Date	Sample Depth	Tetrachloroetheylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Ethylbenzene	Hexachloro-1,3-butadiene	Methylene Chloride	Napthalene	1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Isopropylbenzene (Cumene)	n-Propylbenzene	Xylenes, Total
Soil to Groundwater Residual Contaminant Level *				**4.5**	**3.6**	**41.2**	**58.8**	**0.1**	**1,570**	**0.5**	**2.6**	**659**	**0.2**	**1,394**	**1,380**	**1,384**	**1,270**	**990**	**19,700**
B-25	6142-B-25	4/9/2013	4-6	**233**	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	**91.4 J**	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<72.5
			14-15	**263**	<42.4	<42.4	<42.4	<42.4	<42.4	<42.4	**97.0 J**	<42.4	<42.4	<42.4	<42.4	<42.4	<42.4	<42.4	<84.7
B-26	6142-B-26	4/9/2013	6-8	<40.3	<40.3	<40.3	<40.3	<40.3	<40.3	<40.3	**92.4 J**	<40.3	<40.3	72.2 J	<40.3	<40.3	<40.3	<40.3	<80.6
			14-15	**1,520**	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	**46.3 J**	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	<87.7
PZ-1	6142-PZ-1	4/8/2013	4-6	<25.8	<25.8	<25.8	<25.8	<25.8	52.8 J	<25.8	<25.8	210	<25.8	137	41.9 J	131	31.1 J	39.5 J	294
			15-16	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<51.0

Notes:

* = WDNR Residual Contaminant Level (RCL) based on United States Environmental Protection Agency Region 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites (July 30, 2012). http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm

Samples analyzed using EPA SW-846 Method 8260 with Prep Method 5030B

All concentrations reported in units of micrograms per kilogram (ug/kg)

Bolded and Shaded values exceed the WDNR Soil to Groundwater Residual Contaminant Level

J = Concentration is less than the reporting limit but greater than the method detection limit.

TABLE 4

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS INDICATING CONCENTRATIONS EXCEEDING THE DIRECT CONTACT RESIDUAL CONTAMINANT LEVELS

One Hour Martinizing
Elm Grove, Wisconsin

Location	Sample Name	Sample Date	Sample Depth	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Ethylbenzene	Hexachloro-1,3-butadiene	Methylene Chloride	Napthalene	1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Isopropylbenzene (Cumene)	n-Propylbenzene	Xylenes, Total
Residential Residual Contaminant Level *				**30,700**	**644**	**156,000**	**211,000**	**67**	**7,470**	**6,230**	**60,700**	**5,150**	**2,590**	**89,800**	**182,000**	**818,000**	**268,000**	**3,400,000**	**258,000**
Industrial Residual Contaminant Level *				**153,000**	**8,810**	**2,040,000**	**976,000**	**2,030**	**37,000**	**22,100**	**1,070,000**	**26,000**	**12,900**	**219,000**	**182,000**	**818,000**	**268,000**	**21,000,000**	**258,000**
GP-1	GP-1	2/20/2006	2-4	25,000	280	370	<28	<39	<28	<39	<55	79	<28	<28	<28	<28	<28	<28	<94
GP-2	GP-2	2/20/2006	8-10	13,000	<27	<27	<27	<38	30	<38	<54	120	<27	92	40	83	<27	<27	120
GP-3	GP-3	2/20/2006	2-4	**97,000**	130	<27	<27	<38	<27	<38	<55	100	<27	42	<27	46	<27	<27	<93
GP-4	GP-4	2/20/2006	4-6	1,600	<30	<42	<30	<30	<30	<42	<60	<60	<30	<30	<30	<30	<30	<30	<100
MW-1	6142-MW-1	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	77.6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	84.3	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
MW-2	6142-MW-2	11/10/2009	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	134	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			12-14	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	107	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
MW-3	6142-MW-3	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	109	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	116	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
MW-4	6142-MW-4	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	178	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			10-12	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	89.7	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-2 (MW-3)	6142-DUP-2	11/10/2009	8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	83.6	79.5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-5	6142-DP-5	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	32.2 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			8-10	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-6	6142-DP-6	11/10/2009	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	27.9 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			12-14	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	30.5 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-7	6142-DP-7	11/10/2009	4-6	1,000	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	119	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			10-12	148	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	84.2	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DP-8	6142-DP-8	11/10/2009	6-8	2,020	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	76.2	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			10-12	5,950	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	97.5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-1 (MW-3)	6142-DUP-1	11/10/2009	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	123	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-9	6142-B-9	6/17/2011	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	43.1 J	<25.0	29.5 J	<25.0	42.8 J	<25.0	<25.0	32.1 J
			13-15	494	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-10	6142-B-10	6/17/2011	4-6	5,420	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			12-14	**49,500**	<250	<250	<250	<250	<250	<264	<250	<250	<250	<250	<250	<250	<25.0	<25.0	<500
B-11	6142-B-11	6/17/2011	4-6	21,900	<100	<100	<100	<100	<100	<106	<100	<100	<100	<100	<100	<100	<25.0	<25.0	<200
			10-12	1,200	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-12	6142-B-12	6/17/2011	7-9	364	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			13-15	121	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-13	6142-B-13	6/17/2011	2-4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			11-13	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	47.1 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-14	6142-B-14	6/17/2011	4-6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	87.9	<25.0	126	44.9 J	<25.0	<25.0	33.8 J	<50.0
			13-15	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-1 (B-10)	6142-DUP-1	6/17/2011	4-6	3,690	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
DUP-2 (B-12)	6142-DUP-2	6/17/2011	7-9	577	<25.0	<25.0	<25.0	<25.0	<25.0	<26.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0

TABLE 4

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS INDICATING CONCENTRATIONS EXCEEDING THE DIRECT CONTACT RESIDUAL CONTAMINANT LEVELS

One Hour Martinizing
Elm Grove, Wisconsin

Location	Sample Name	Sample Date	Sample Depth	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Ethylbenzene	Hexachloro-1,3-butadiene	Methylene Chloride	Napthalene	1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Isopropylbenzene (Cumene)	n-Propylbenzene	Xylenes, Total
Residential Residual Contaminant Level *				**30,700**	**644**	**156,000**	**211,000**	**67**	**7,470**	**6,230**	**60,700**	**5,150**	**2,590**	**89,800**	**182,000**	**818,000**	**268,000**	**3,400,000**	**258,000**
Industrial Residual Contaminant Level *				**153,000**	**8,810**	**2,040,000**	**976,000**	**2,030**	**37,000**	**22,100**	**1,070,000**	**26,000**	**12,900**	**219,000**	**182,000**	**818,000**	**268,000**	**21,000,000**	**258,000**
B-15	6142-B-15	10/22/2012	2.5-5	**360,000**	400	<32	<66	<27	<13	<91	<180	<130	110	<55	<54	<30	<66	<46	<18
			10-12.5	6,000	<17	<11	<23	<9.6	<12	<32	<63	<46	<32	<20	<19	<11	<23	<16	<6.3
B-16	6142-B-16	10/22/2012	2.5-5	79	<20	<37	<27	<11	<14	<37	<73	<53	<37	<23	<22	<12	<27	<19	<7.3
			10-12.5	180	<9.8	<6.5	<13	<5.5	<6.6	<18	<36	<26	<18	<11	<11	<6.1	<13	<9.2	<3.6
			15-17.5	17,000	39.0 J	<11	<23	<9.4	<11	<31	<62	<45	<31	<19	<19	<10	<23	<16	<6.2
B-17	6142-B-17	10/22/2012	2.5-5	<20	<22	<15	<30	<12	<15	<41	<82	<59	<41	<25	<25	<14	<30	<21	<8.2
			12.5-15	<19	<21	<14	<28	<12	<14	<39	<78	<56	<39	<24	<23	<13	<28	<20	<7.8
B-18	6142-B-18	10/22/2012	5-7.5	540	<20	<13	<27	<11	<14	<37	<74	<53	<37	<23	<22	<12	<27	<19	<7.4
			12.5-15	1,700	<18	<12	<24	<9.9	<12	<33	<65	<47	<33	<20	<20	<11	<24	<17	<6.5
HA-1	6142-HA-1	10/22/2012	2.5-5	120	<15	<10	<21	<8.6	<10	<29	<56	<41	<29	<17	<17	<9.5	<21	<14	<5.6
			12.5-14.5	4,200	<16	<10	<21	<8.8	<11	<29	<58	<42	<29	<18	<17	<9.7	<21	<15	<5.8
HA-2	6142-HA-2	10/22/2012	2-4.25	<24	<26	<17	<35	<15	<18	<49	<96	79 J	<49	<30	<29	<16	<35	<25	100
B-19	6142-B-19	4/9/2013	4-6	2,760	<37.3	<37.3	<37.3	<37.3	<37.3	<37.3	86.8 J	<37.3	<37.3	<37.3	<37.3	<37.3	<37.3	<37.3	<74.6
			14-15	1,800	<47.2	<47.2	<47.2	<47.2	<47.2	<47.2	106 J	<47.2	<47.2	<47.2	<47.2	<47.2	<47.2	<47.2	<94.3
B-20	6142-B-20	4/8/2013	3-4	4,430	**879**	41.6 J	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<28.4	<56.8
			8-10	653	297	638	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<52.1
			14-16	**43,700**	<247	<247	<247	<247	<247	<247	798	<247	<247	<247	<247	<247	<247	<247	<494
B-21	6142-B-21	4/8/2013	4-6	3,570	282	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
			9-11	477	<36.2	75.4 J	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<72.5
			15-16	203	159	29.0 J	<25.0	<25.0	<25.0	<25.0	55.3 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
B-22	6142-B-22	4/10/2013	4-6	311	<46.3	<46.3	<46.3	<46.3	<46.3	<46.3	89.1 J	<46.3	<46.3	<46.3	<46.3	<46.3	<46.3	<46.3	<92.6
			12-14	4,530	<44.6	<44.6	<44.6	<44.6	<44.6	<44.6	149	<44.6	<44.6	<44.6	<44.6	<44.6	<44.6	<44.6	<89.3
B-23	6142-B-23	4/9/2013	2-3	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	83.7 J	134	<43.9	67.1 J	<43.9	<43.9	<43.9	<43.9	<87.7
B-24	6142-B-24	4/9/2013	4-6	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	66.1 J	<26.0	<26.0	<26.0	<26.0	<26.0	<26.0	<52.1
			14-15	**60,000**	**1,160**	435 J	<312	<312	<312	<312	<312	<312	<312	<312	<312	<312	<312	<312	<625
B-25	6142-B-25	4/9/2013	4-6	233	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	91.4 J	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<36.2	<72.5
			14-15	263	<42.4	<42.4	<42.4	<42.4	<42.4	<42.4	97.0 J	<42.4	<42.4	<42.4	<42.4	<42.4	<42.4	<42.4	<84.7
B-26	6142-B-26	4/9/2013	6-8	<40.3	<40.3	<40.3	<40.3	<40.3	<40.3	<40.3	92.4 J	<40.3	<40.3	72.2 J	<40.3	<40.3	<40.3	<40.3	<80.6
			14-15	1,520	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	46.3 J	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	<43.9	<87.7
PZ-1	6142-PZ-1	4/8/2013	4-6	<25.8	<25.8	<25.8	<25.8	<25.8	52.8 J	<25.8	<25.8	210	<25.8	137	41.9 J	131	31.1 J	39.5 J	294
			15-16	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<25.5	<51.0

TABLE 4

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS INDICATING CONCENTRATIONS EXCEEDING THE DIRECT CONTACT RESIDUAL CONTAMINANT LEVELS

One Hour Martinizing
Elm Grove, Wisconsin

Location	Sample Name	Sample Date	Sample Depth	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Ethylbenzene	Hexachloro-1,3-butadiene	Methylene Chloride	Napthalene	1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Isopropylbenzene (Cumene)	n-Propylbenzene	Xylenes, Total
Residential Residual Contaminant Level *				**30,700**	**644**	**156,000**	**211,000**	**67**	**7,470**	**6,230**	**60,700**	**5,150**	**2,590**	**89,800**	**182,000**	**818,000**	**268,000**	**3,400,000**	**258,000**
Industrial Residual Contaminant Level *				**153,000**	**8,810**	**2,040,000**	**976,000**	**2,030**	**37,000**	**22,100**	**1,070,000**	**26,000**	**12,900**	**219,000**	**182,000**	**818,000**	**268,000**	**21,000,000**	**258,000**

Notes:

* = WDNR Residual Contaminant Level (RCL) based on United States Environmental Protection Agency Region 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites (July 30, 2012). http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm

Samples analyzed using EPA SW-846 Method 8260 with Prep Method 5030B

All concentrations reported in units of micrograms per kilogram (ug/kg)

Bolded and Shaded values exceed the WDNR generic Industrial Residual Contaminant Levels

Bolded values exceed the WDNR generic Residential Residual Contaminant Levels

J = Concentration is less than the reporting limit but greater than the method detection limit.

TABLE 5
SUMMARY OF GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS
Elm Grove - Martinizing Cleaners
Elm Grove, Wisconsin

Sample Location	Sample ID	Sample Date	Sample Depth (ft)	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl Chloride	Benzene	Chloromethane	Toluene
Public Health Enforcement Standard (ug/l)				**5**	**5**	**70**	**100**	**0.2**	**5**	**30**	**1,000**
Public Health Preventive Action Limit (ug/l)				**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**3**	**200**
GP-1	GP-1	2/20/2006	20.0	**1.8**	0.32	1.9	< 0.50	< 0.20	< 0.20	< 0.24	0.53
GP-2	GP-2	2/20/2006	20.0	< 0.5	< 0.20	< 0.50	< 0.50	< 0.20	0.21	< 0.24	0.46
DP-5	6142-DP-5	11/9/2009	20.0	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.45	0.72	< 0.45
DP-6	6142-DP-6	11/9/2009	20.0	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.45	< 0.24	< 0.45
B-9	6142-B-9-(17W)	6/17/2011	20.0	**11.8**	**0.81 J**	**41.7**	4.7	**2.0**	< 0.20	< 0.24	< 0.45
B-10	6142-B-10-(16W)	6/17/2011	20.0	**451**	**6.1**	< 0.50	< 0.50	< 0.20	**49.6**	< 0.24	< 0.45
B-11	6142-B-11-(17W)	6/17/2011	20.0	**51.3**	**0.95 J**	< 0.83	< 0.89	< 0.18	< 0.45	0.72	< 0.45
B-12	6142-B-12-(17W)	6/17/2011	20.0	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.45	< 0.24	< 0.45
B-13	6142-B-13-(17W)	6/17/2011	20.0	< 0.5	< 0.20	< 0.50	< 0.50	< 0.20	< 0.45	< 0.24	< 0.45
B-14	6142-B-14-(17W)	6/17/2011	20.0	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.45	< 0.24	< 0.45
B-17	6142-B-17(16.5)	10/22/2012	20.0	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.34	< 0.11
B-20	6142-B-20 (17W)	4/8/2013	17.0	**0.57 J**	**0.68 J**	5.1	<0.89	<0.18	<0.41	<0.24	<0.67
B-26	6142-B-26 (17W)	4/9/2013	17.0	<0.45	<0.48	<0.83	<0.89	<0.18	<0.41	<0.24	<0.67

Notes:

Samples analyzed using EPA SW-846 Method 8260

All concentrations reported in units of micrograms per liter (ug/l)

Bolded and Shaded values exceed the Public Health Enforcement Standard

Bolded values exceed the Public Health Preventive Action Limit

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

TABLE 6
SUMMARY OF GROUNDWATER MONITORING WELL SAMPLE ANALYTICAL RESULTS
One Hour Martinizing
Elm Grove, Wisconsin

Boring Identification	Date Sampled	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl chloride	Benzene	Naphthalene	1,2,4-Trimethylbenzene
Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**100**	**480**
Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**10**	**96**
MW-1	11/19/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/16/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	4/28/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/7/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.89	< 0.97
	12/21/2011	< 0.50	< 0.20	1.1	< 0.50	< 0.20	< 0.20	0.45	0.48 J
	2/24/2012	< 0.50	< 0.20	0.95 J	< 0.50	< 0.20	< 0.20	<0.25	< 0.25
	10/24/2012	**1.1**	< 0.19	1.4	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	4/24/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/2/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
MW-2	11/19/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/16/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	4/28/2011	**1.2**	< 0.48	< 0.83	< 0.89	< 0.18	**1.2**	< 0.25	< 0.20
	9/7/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	**2.1**	< 0.89	< 0.97
	12/21/2011	< 0.50	< 0.20	< 0.50	< 0.50	< 0.20	**0.58 J**	< 0.25	0.29 J
	2/24/2012	< 0.50	< 0.20	< 0.50	< 0.50	< 0.20	< 0.20	< 0.25	< 0.25
	10/24/2012	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	4/24/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/2/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
MW-3	11/19/2009	< 0.45	< 0.48	1.3	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/16/2010	< 0.45	< 0.48	2.5	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	4/28/2011	< 0.45	< 0.48	0.96 J	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/7/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.89	< 0.97
	12/21/2011	< 0.50	< 0.20	0.73 J	< 0.50	< 0.20	< 0.20	< 0.25	0.26 J
	2/24/2012	< 0.50	< 0.20	0.58 J	< 0.50	< 0.20	< 0.20	< 0.25	<0.25
	10/24/2012	**0.83**	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	4/24/2013	< 0.17	0.31 J	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/2/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
MW-4	11/19/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/16/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	4/28/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	< 0.25	< 0.20
	9/7/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.89	< 0.97
	12/21/2011	< 0.50	< 0.20	< 0.50	< 0.50	< 0.20	< 0.20	< 0.25	0.37 J
	2/24/2012	< 0.50	< 0.20	< 0.50	< 0.50	< 0.20	< 0.20	< 0.25	0.28 J
	10/24/2012	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	4/24/2013	< 0.17	0.26 J	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/3/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
MW-5	10/24/2012	**0.95 J**	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	4/24/2013	**31**	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/2/2013	**53**	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14

TABLE 6
SUMMARY OF GROUNDWATER MONITORING WELL SAMPLE ANALYTICAL RESULTS
One Hour Martinizing
Elm Grove, Wisconsin

Boring Identification	Date Sampled	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Vinyl chloride	Benzene	Naphthalene	1,2,4-Trimethylbenzene
Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**100**	**480**
Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**10**	**96**
MW-6	10/24/2012	**540**	**11**	5.1	0.73 J	**0.8**	< 0.074	< 0.16	< 0.14
	4/25/2013	**510**	**9.0**	3.6	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/2/2013	**510**	**6.8**	2.3	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
MW-7	4/25/2013	**110**	**16**	**50**	2.9	**4.1**	< 0.074	< 0.16	< 0.14
	7/2/2013	**160**	**31**	**72**	3.5	**2.1**	< 0.074	< 0.16	< 0.14
PZ-1	4/24/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
	7/3/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
Potable Well (Bailer)	4/24/2013	**0.59 J**	**0.88**	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
Potable Well (Faucet)	4/24/2013	**0.81 J**	**1.8**	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14
Potable Well	7/3/2013	< 0.17	< 0.19	< 0.12	< 0.25	< 0.10	< 0.074	< 0.16	< 0.14

Notes:
All concentrations reported in units of micrograms per liter (ug/l)
Samples analyzed using EPA SW-846 Method 8260
Bolded and Shaded values exceed the Public Health Enforcement Standarc
Bolded values exceed the Public Health Preventive Action Limi
J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

TABLE 7
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
One Hour Martinizing
Elm Grove, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet BGS)	Tetrachloroethylene	Trichloroethylene	Acetone	Benzene	Chloroform	Ethanol	n-Hexane	Methylene Chloride	2-Propanol	Toluene
6142-SG-1	10/23/2012	14	**29,000**	**270**	NA	<130	<200	NA	NA	<350	NA	<150
6142-SG-2	10/23/2012	4	1,600	<21	NA	<13	29	NA	NA	<35	NA	<15
6142-SG-3	4/12/2013	14	**8,130**	82.6	<21.0	<14.2	<43.4	<16.6	<31.5	<31.1	<21.9	<33.7
6142-SG-4	4/12/2013	4	4.7	<2.0	17.0	2.9	<3.6	8.0	22.1	245	3.6	4.6
Vapor Risk Screening Level (Commercial)			**18,000**	**880**	**14,000,000**	**1,600**	**530**	**NE**	**310,000**	**260,000**	**3,100,000**	**2,200,000**
Vapor Risk Screening Level (Residential)			**4,200**	**210**	**3,200,000**	**310**	**110**	**NE**	**73,000**	**63,000**	**730,000**	**520,000**

Notes:

All concentrations are reported in units in micrograms per cubic meter (ug/m3)

The Regional Screeing Levels are based on an attenuation factor of 0.01 for utility corridor samples

Bolded and Shaded values exceed the U.S. EPA's Industrial Regional Screening Level

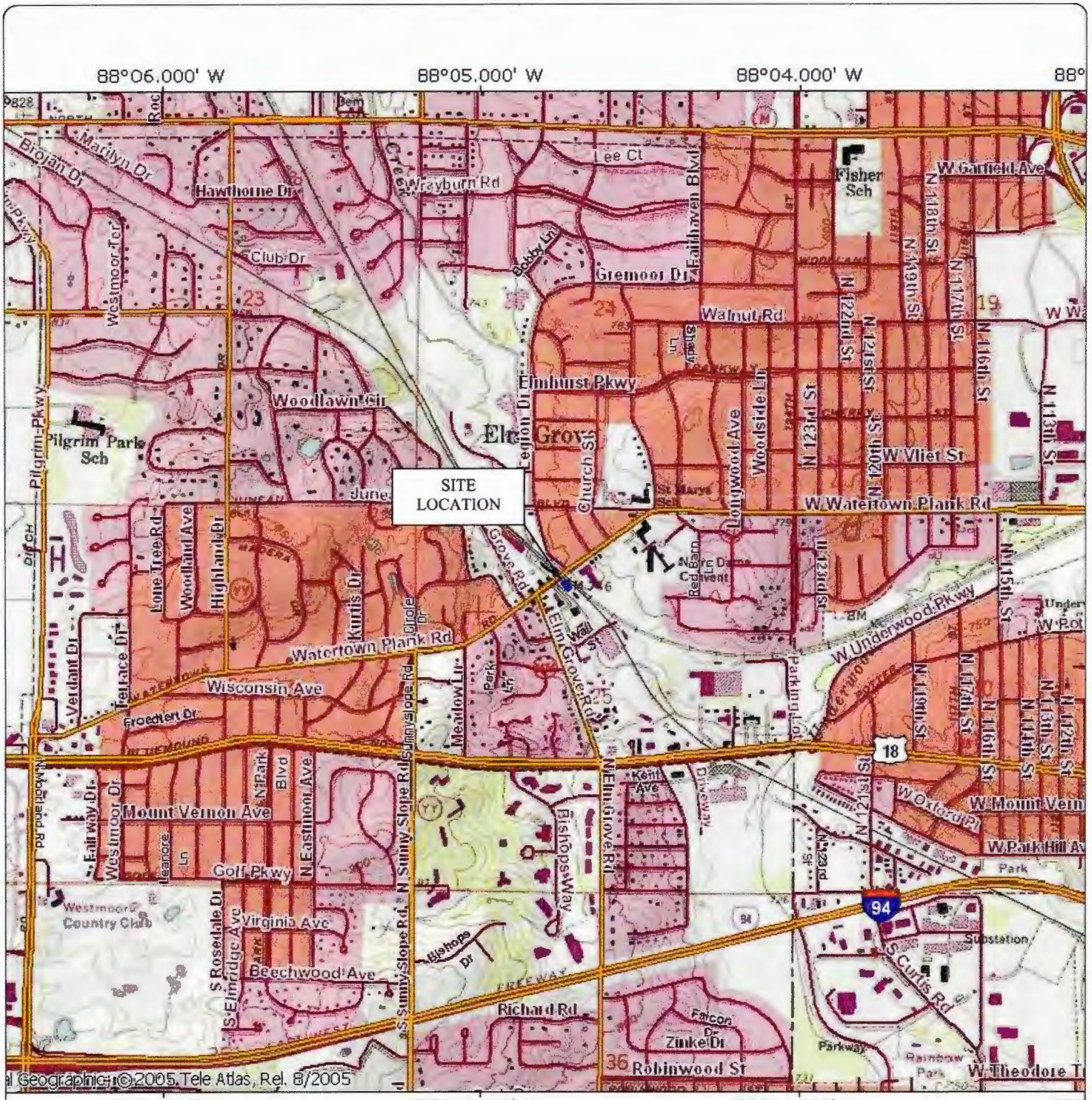
Bolded values exceed the U.S. EPA Residential Regional Screening Level

BGS = below ground surface

NA = Not Analyzed

NE = Not Established

FIGURES



Source: US Geological Survey, Wauwatosa, Wisconsin, 7.5 minute quadrangle

No.	Date	Revision	Approved

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Drawn:	MMM
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DWG file:	67172-12

SITE LOCATION MAP
One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, WI

Figure
1
Project
6142

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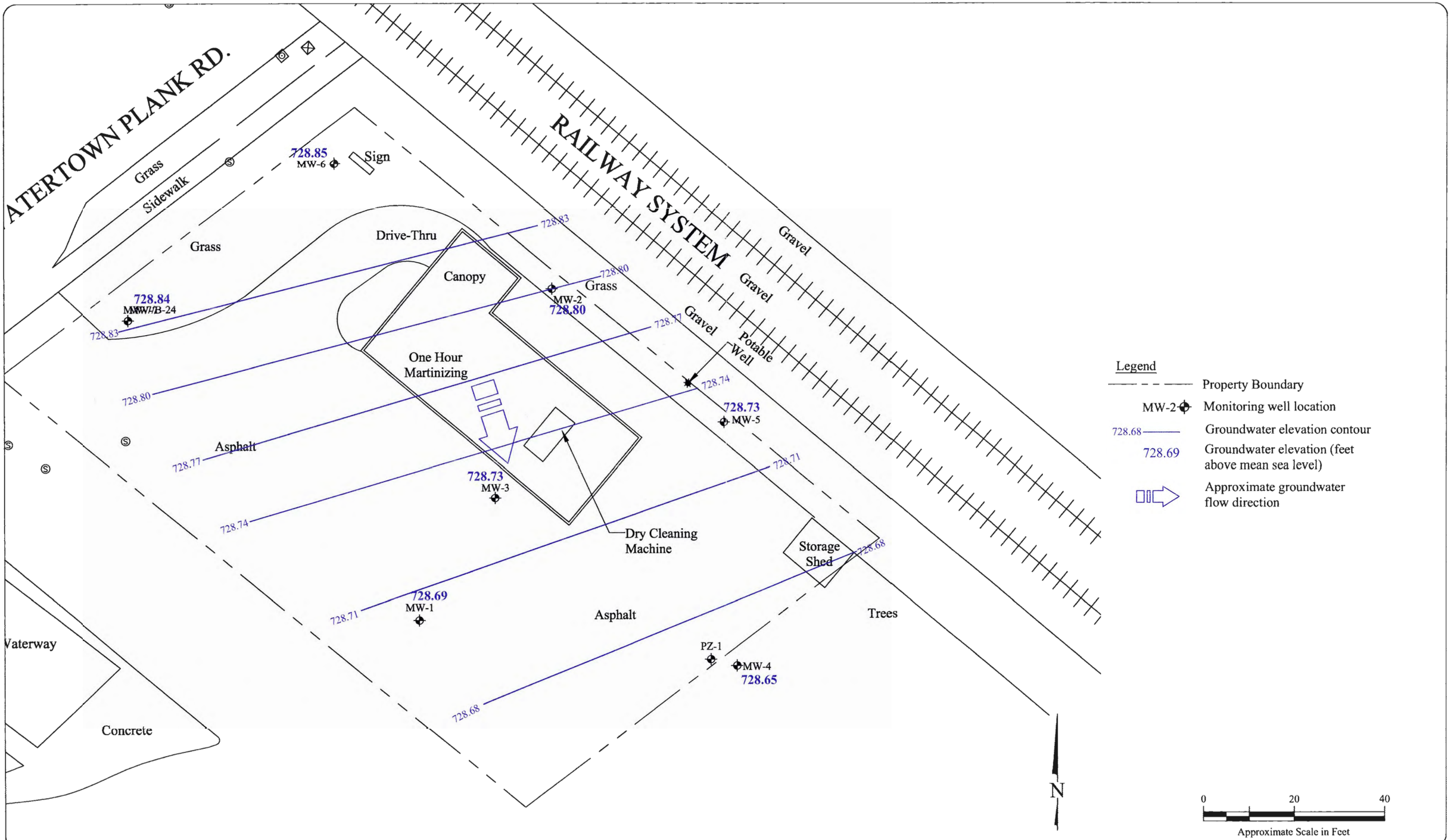

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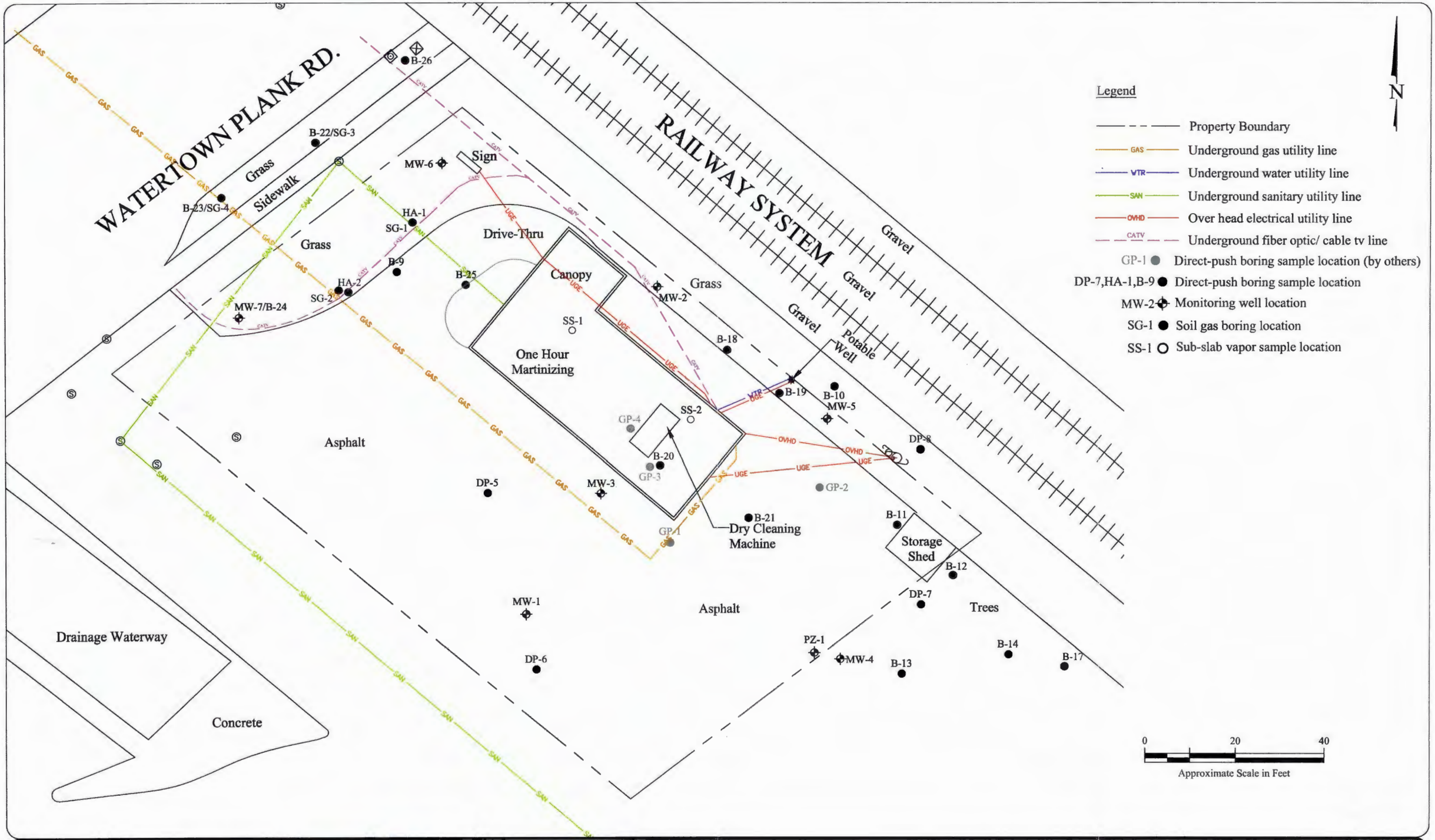
POTENTIOMETRIC SURFACE CONTOUR MAP - 2nd Quarter 2013

One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, WI

Figure
4
Project
6142



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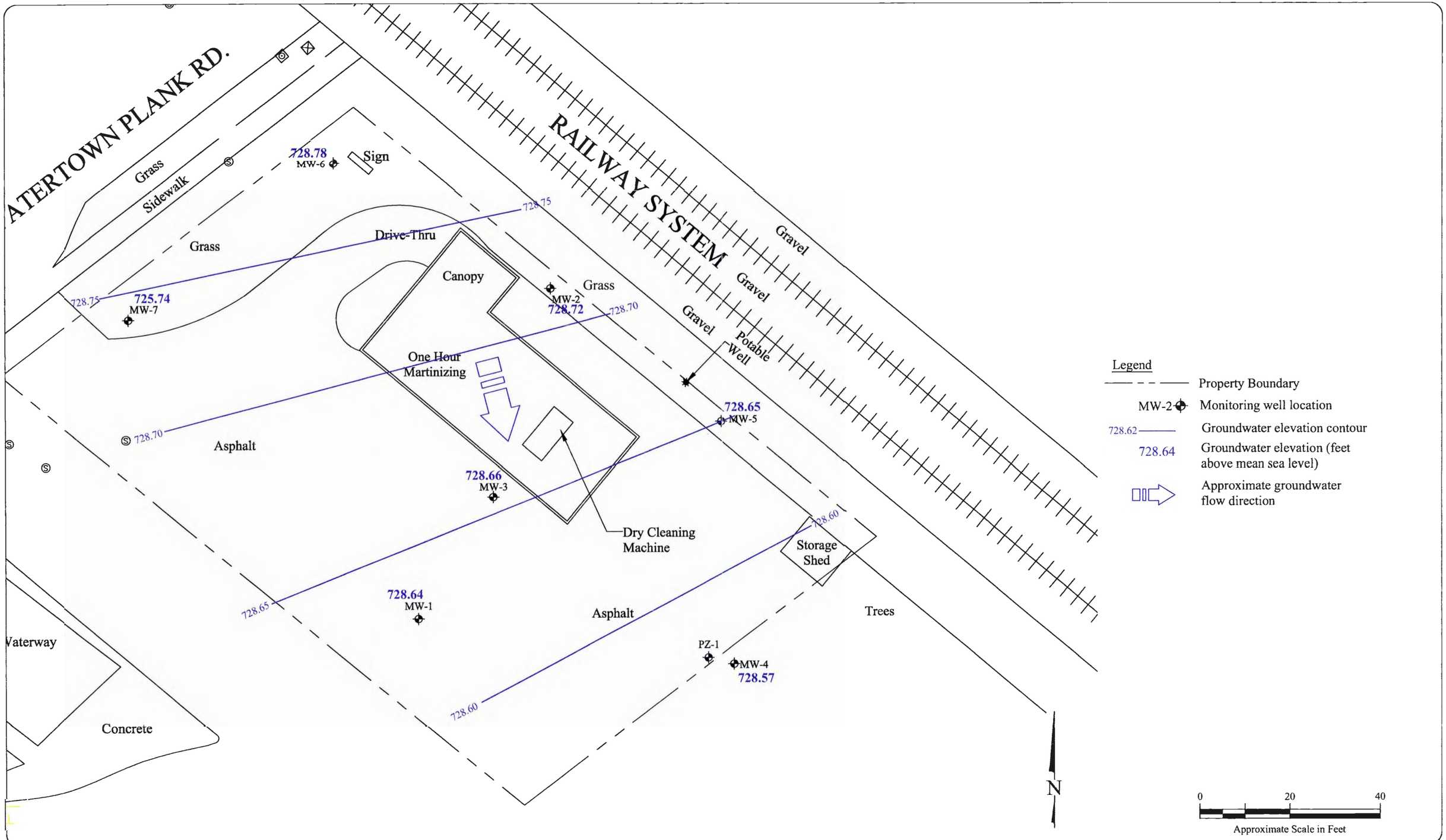
SITE LAYOUT MAP

One Hour Marinizing
13405 Watertown Plank Road
Elm Grove, WI

Figure
2
Project
6142

K:\Drawings\6142 Elm Grove-OHM\Drawing\61155-10.dwg



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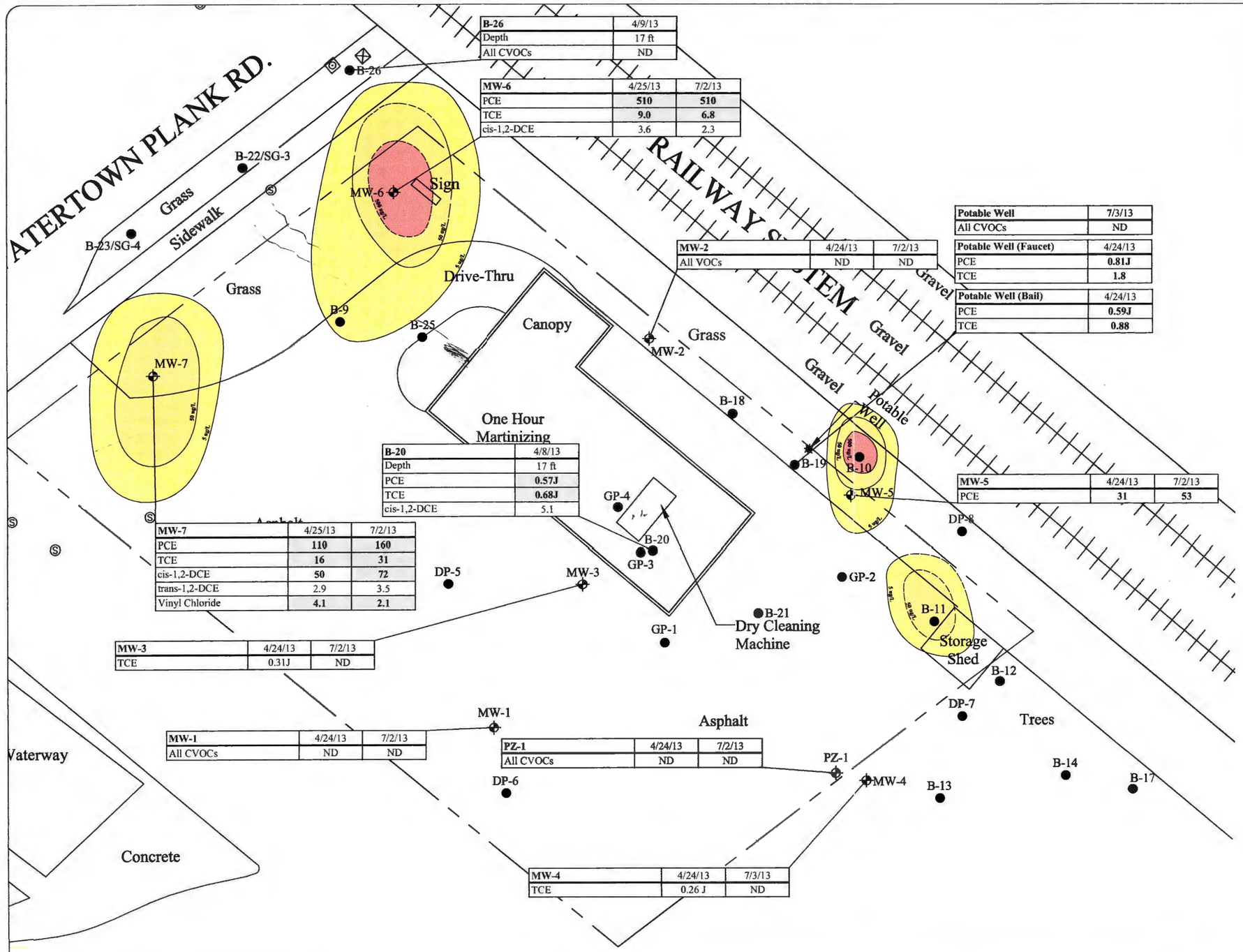
POTENTIOMETRIC SURFACE CONTOUR MAP - 1st Quarter 2013

One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, WI

Figure
3
Project
6142



B-26	4/9/13
Depth	17 ft
All CVOCs	ND

MW-6	4/25/13	7/2/13
PCE	**510**	**510**
TCE	**9.0**	**6.8**
cis-1,2-DCE	3.6	2.3

MW-2	4/24/13	7/2/13
All VOCs	ND	ND

Potable Well	7/3/13
All CVOCs	ND

Potable Well (Faucet)	4/24/13
PCE	**0.81J**
TCE	**1.8**

Potable Well (Bail)	4/24/13
PCE	**0.59J**
TCE	**0.88**

MW-5	4/24/13	7/2/13
PCE	**31**	**53**

B-20	4/8/13
Depth	17 ft
PCE	**0.57J**
TCE	**0.68J**
cis-1,2-DCE	5.1

MW-7	4/25/13	7/2/13
PCE	**110**	**160**
TCE	**16**	**31**
cis-1,2-DCE	**50**	**72**
trans-1,2-DCE	2.9	3.5
Vinyl Chloride	**4.1**	**2.1**

MW-3	4/24/13	7/2/13
TCE	0.31J	ND

MW-1	4/24/13	7/2/13
All CVOCs	ND	ND

PZ-1	4/24/13	7/2/13
All CVOCs	ND	ND

MW-4	4/24/13	7/3/13
TCE	0.26 J	ND

Analytes (ug/L)	Public Health Enforcement Standards	Public Health Preventive Action Limit
PCE	**5**	**0.5**
TCE	**5**	**0.5**
cis-1,2-DCE	**70**	**7**
trans-1,2-DCE	**100**	**20**
Vinyl Chloride	**0.2**	**0.02**

Notes:

1. Bolded and shaded values exceed the Public Health Enforcement Standard
2. Bolded Values are above Public Health Preventive Action Limits
3. All concentrations reported in units of micrograms per Liter (ug/L)
4. Samples analyzed using EPA SW-846 Method 8260
5. J = Analyte concentration detected between the laboratory Reporting limit and the laboratory Method Detection Limit
6. PCE = Tetrachloroethylene
7. TCE = Trichloroethylene
8. cis-1,2-DCE = cis-1,2-Dichloroethylene
9. trans-1,2-DCE = trans-1,2-Dichloroethylene
10. CVOCs = Chlorinated Volatile Organic Compounds
11. Only CVOCs are shown on this figure
12. ND = Not Detected

Legend

- Property Boundary
- MW-2 ⊕ Monitoring well sample location
- Direct-push boring sample location (by others)
- DP-7,HA-1,B-9 ● Direct-push boring sample location
- >5 ug/L PCE in groundwater
- >50 ug/L PCE in groundwater
- >500 ug/L PCE in groundwater
- 500 ug/L PCE Isoconcentration contour (Dashed where inferred)

0 20 40

Approximate Scale in Feet

N

No.	Date	Revision	Approved

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DWG file:	61155-10

CURRENT PHASE GROUNDWATER ANALYTICAL AND PCE ISOCONCENTRATION MAP

One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, WI

Figure 6

Project 6142

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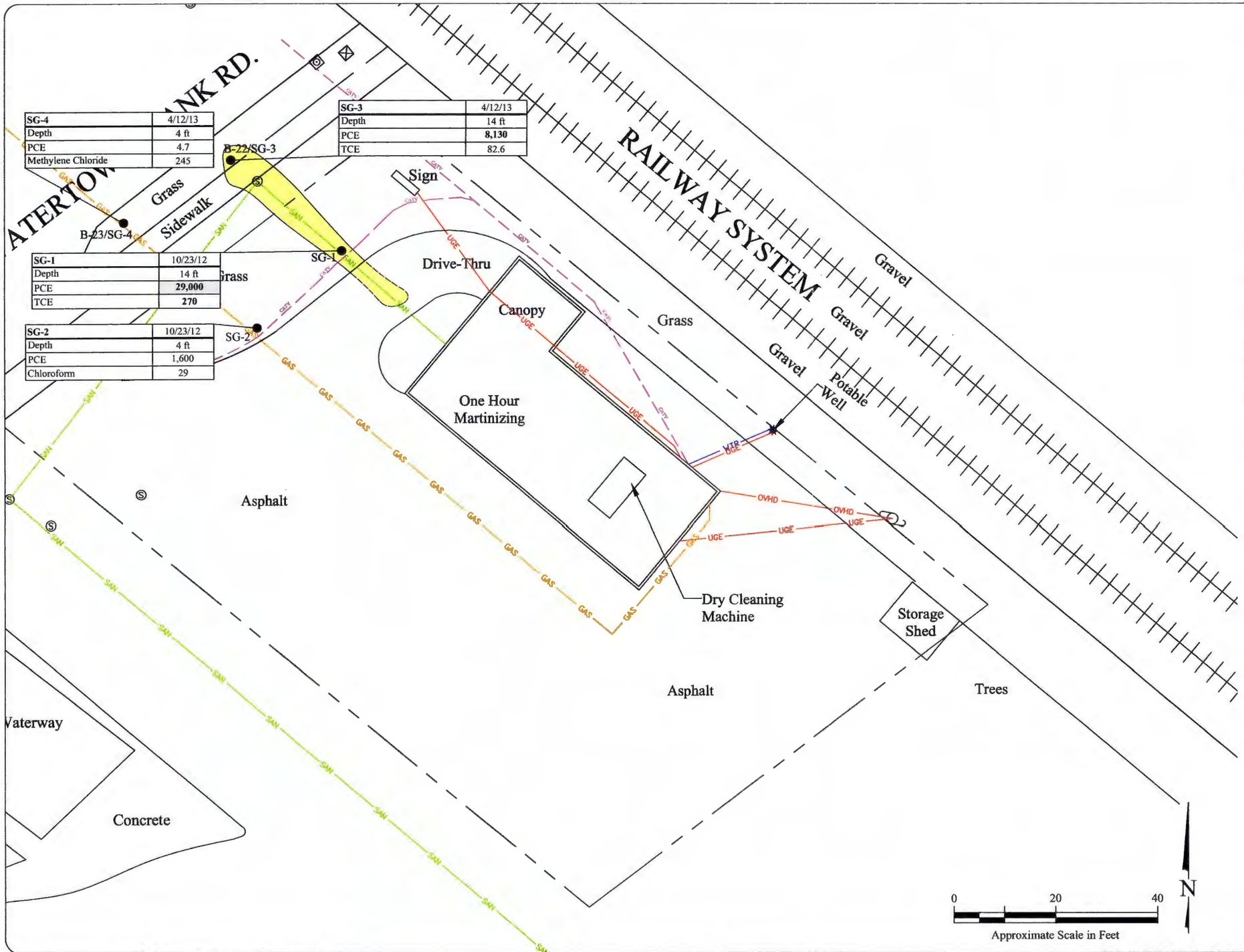

Soil Gas Screening Levels		
Analytes (ug/L)	Industrial	Residential
PCE	**18,000**	**4,200**
TCE	**880**	**210**
Chloroform	**530**	**110**
Methylene Chloride	**260,000**	**63,000**

Notes:

1. Soil gas Screening Levels are based on US EPA Regional Screening Levels (RSLs) with an attenuation factor of 0.01 for utility corridor samples
2. Bolded and shaded values are above Industrial Regional Screening Levels (RSLs)
3. Bolded Values are above Residential Regional Screening Levels (RSLs)
4. All concentrations reported in units of micrograms per cubic meter (ug/m3)
5. PCE = Tetrachloroethylene
6. TCE = Trichloroethylene
7. Only CVOCs are shown on this figure
8. CVOCs = Chlorinated Volatile Organic Compounds

Legend

- Property Boundary
- GAS — Underground gas utility line
- WTR — Underground water utility line
- SAN — Underground sanitary utility line
- OVHD — Over head electrical utility line
- UGE — Underground electrical utility line
- CATV — Underground fiber optic/ cable tv line
- SG-1 ● Soil gas boring location
- PCE in soil gas above EPA Residential or Commercial RISK Screening Levels
- PCE Isoconcentration contour (Dashed where inferred)

No.	Date	Revision	Approved

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EnviroForensics.com

Date:	7/30/13
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Checked:	WF
DWG file:	61155-10

SOIL GAS ANALYTICAL AND PCE ISOCONCENTRATION MAP

One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, WI

Figure
7
Project
6142

ATTACHMENT 1

SOIL BORING LOGS

WELL CONSTRUCTION FORMS

WELL DEVELOPMENT FORMS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-19

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/9/2013	4/9/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			726.2 Feet MSL	743.2 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 385,967 N, 2,513,611 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		1	**(0'-0.25') TOPSOIL:** TOPSOIL surface.	N/A									
			1	**(0.25'-4') GRAVEL (GW):** Dark Brown GRAVEL, some Sand and Clay, loose, moist.	GW			0.0						
			4	**(4'-14') Sandy GRAVEL(GW):** Light Brown Sandy GRAVEL, fine through coarse Sand, fine through medium GRAVEL, loose.				0.0						
SS	60		5					0.1						
			8		GW			0.2						
SS	60		10					0.0						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-982-3988
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Fax: 317-972-7875

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-19 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(4'-14') Sandy GRAVEL(GW):** Light Brown Sandy GRAVEL, fine through coarse Sand, fine through medium GRAVEL, loose. *(continued)*	GW			0.1						
			14											
SS	60		15	**(14'-25') SAND (SP):** Brown SAND fine through medium grained, no other grain sizes, loose, moist.				0.1						
			16					0.0						
			17				▼							
			18											
			19		SP									
SS	60		20											
			21											
			22											
			23											
			24											
			25											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-20

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/8/2013	4/8/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			726.0 Feet MSL	743.0 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat 43° 2' 34.8"
Long 88° 4' 44.2"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		0	**(0'-0.25') CONCRETE:**CONCRETE floor.	N/A									
				(0.25'-0.5') FILL:FILL material, Gravel and Sand.	N/A									
			1	**((0.5'-3.5') SAND (SW):**Brown SAND, fine through coarse grains, loose, slightly moist.	SW									
			2											
			3											
			4	**(3.5'-6') Silty CLAY (CL):**Blackish Brown Silty CLAY, trace fine Gravel and fine through coarse Sand, slightly stiff, moist.	CL			1.2						
SS	60		5											
			6	**(6'-8') Silty CLAY (CL):**Grayish Black Silty CLAY, trace fine Gravel, plastic, moist, soft.	CL									
			7											
			8	**(8'-10') Sandy Clayey GRAVEL (GW):**Light Brown Sandy Clayey GRAVEL, loose, moist.	GW			3.6						
			9											
SS	60		10	**(10'-11.5') Gravelly CLAY (CL):**Brown Gravelly CLAY, slightly stiff, moist.	CL									
			11											
			12		SP									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm		
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Tel: 414-982-3988 Fax: 317-972-7875

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-20 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(11.5'-19.5') SAND (SP):**Brown SAND, fine grains, trace medium grains, trace Silt, loose, moist, saturated at 17'. *(continued)*										
			14											
SS	60		15					0.4						
			16		SP									
			17				▼							
			18											
			19											
			20	**(19.5'-20') SAND (SP):**Gray SAND, fine grains, trace medium grains, trace Silt, loose, moist.	SP									

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-21

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/8/2013	4/8/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			726.3 Feet MSL	743.3 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 385,939 N, 2,513,604 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		1	**(0'-0.15') ASPHALT (AS):** ASPHALT surface.	AS									
			1	**(0.15'-4') FILL:** FILL material, Sand and Gravel.	N/A									
			2											
			3											
			4											
SS	60		5	**(4'-7.5') Sandy CLAY (CL):** Black Sandy CLAY, trace fine Gravel, medium stiffness, moist.	CL			0.3						
			6											
			7											
			8	**(7.5'-13') Sandy GRAVEL:** Brown Sandy GRAVEL, fine through coarse Sand, fine through medium GRAVEL, loose, moist.	GW									
			9											
SS	60		10					0.7						
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	414-982-3988 Fax: 317-972-7875

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-21 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13		GW									
			14	**(13'-25') SAND (SP):** Brown SAND fine through medium grained, no other grain sizes, loose, moist.										
SS	60		15											
			16											
			17	@17' color changes to gray.			▼							
			18											
			19		SP									
SS	60		20											
			21											
			22											
			23											
			24											
			25											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-22

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/10/2013	4/10/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	745.1 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 386,023 N, 2,513,507 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		0	**(0'-0.5') TOPSOIL:**TOPSOIL cover.	N/A									
			1	**(0.5'-1.2') Clayey SAND (SW):**Brown SAND, fine through coarse, trace Silt, loose, moist.	SW			0.4						
			2	**(1.2'-2') SAND (SW):**SAND, fine through coarse, trace Silt, loose, moist.	SW									
			3	**(2'-6') Clayey GRAVEL (GW):**Light Brown Clayey GRAVEL, fine through medium grained,loose, moist.	GW			0.1						
			4											
SS	60		5					0.1						
			6											
			7	**(6'-7.5') Clayey Sandy SILT (ML):**Dark Brown Clayey Sandy SILT, loose, saturated.	ML			0.2						
			8	**(7.5'-14') GRAVEL (GW):**Whitish Gray GRAVEL, fine through coarse grained, trace Sand, loose, moist.	GW									
			9					0.0						
SS	48		10											
			11					0.0						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Tel: 414-982-3988 Fax: 317-972-7875

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-22 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	**(7.5'-14') GRAVEL (GW):** Whitish Gray GRAVEL, fine through coarse grained, trace Sand, loose, moist. *(continued)*	GW			0.0						
			14											

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-23

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/9/2013	4/9/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	744.6 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 386,010 N, 2,513,486 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	39		0 1 2 3	**(0'-0.4') TOPSOIL:**TOPSOIL, organic material. **(0.4'-0.6') Silty GRAVEL (GW):**Brown Silty GRAVEL, fine through medium grained, some Sand, loose. **(0.6'-1.2') GRAVEL(GW):**Brownish Gray GRAVEL, some Sand, moist, loose. **(1.2'-3.25') Gravelly SAND (SW):**Dark Brown Gravelly SAND, loose, moist.	N/A GW GW SW			0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm		
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Tel: 414-982-3988 Fax: 317-972-7875

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-24

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/9/2013	4/9/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-7	726.4 Feet MSL	743.4 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 385,984 N, 2,513,490 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		1	**(0'-1') TOPSOIL:**TOPSOIL.	PT									
			1	**(1'-1.1') FILL:**FILL material, Gravel and Sand.	N/A									
			2	**(1.1'-2') SAND (SW):**Brown SAND, fine through coarse grained, trace fine Gravel, moist, loose.	SW									
			3	**(2'-4') GRAVEL (GW):**Light Brown GRAVEL, fine through medium grained, trace Silt and Clay, loose, moist.	GW									
			4	**(4'-7.5') SAND (SW):**Brown SAND, with Gravel, fine through coarse grained Sand, loose, moist.										
SS	60		5					0.0						
			6		SW									
			7											
			8	**(7.5'-11') SAND (SW):**Clayey Gravelly SAND (SW):**Brown Clayey Gravelly SAND, fine through coarse grained, trace Silt, slightly loose, moist.**										
			9		SW									
SS	60		10											
			11		GW									
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	414-982-3988 Fax: 317-972-7875

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-24 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	**(11'-14.5') Sandy GRAVEL (GW):** Light Brown Sandy GRAVEL, fine through coarse grains, loose, moist. *(continued)*	GW									
			14											
SS	60		15	**(14.5'-25') SAND (SP):** Brown SAND, fine grained, trace medium grains, loose, saturated at 17'.				0.0						
			16											
			17	@ 17' Becomes Gray.			▼							
			18											
			19											
SS	60		20		SP									
			21											
			22											
			23											
			24											
			25											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-25

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/9/2013	4/9/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			726.5 Feet MSL	743.5 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 385,991 N, 2,513,540 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		1	**(0'-1.5') TOPSOIL:**TOPSOIL cover.	N/A									
			2	**(1.5'-2') Sandy SILT(ML):**Black Sandy SILT, slightly loose, moist.	ML			0.0						
			3	**(2'-5') GRAVEL (GW):**Light Brown GRAVEL, fine through coarse grained, trace Sand, loose, moist.	GW									
			4											
SS	60		5	**(3.75'-4') Sandy GRAVEL (GW):**Light Brown Sandy GRAVEL, fine through coarse grained, trace Silt.				0.2						
			6											
			7											
			8		GW			0.1						
			9											
SS	60		10											
			11					0.0						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	414-982-3988 Fax: 317-972-7875

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-25 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	**(3.75'-4') Sandy GRAVEL (GW):** Light Brown Sandy GRAVEL, fine through coarse grained, trace Silt. *(continued)*	GW									
			14					0.1						
SS	60		15	**(15'-25') SAND (SP):** Gray SAND, fine grained, trace medium SAND, trace Silt, loose, saturated at 17'.										
			16											
			17				▼							
			18											
			19											
SS	60		20		SP									
			21											
			22											
			23											
			24											
			25											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	B-26

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/9/2013	4/9/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			728.0 Feet MSL	745.0 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat 43° 2' 33.9" Long 88° 4' 43.5"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		0	**(0'-0.5') TOPSOIL:**TOPSOIL surface.	N/A									
			1	**(0.5'-1.5') SAND (SW):** Brown SAND, with Gravel and Silt, trace Clay, loose.	SW									
			2	**(1.5'-3.5') Sandy GRAVEL(GW):**Brown Sandy GRVAEL, fine through coarse Sand, fine through medium GRAVEL, loose.	GW			0.1						
			3											
			4	**(3.5'-6') Sandy GRAVEL(GW):**Brown Sandy GRAVEL, fine through coarse Sand, fine through medium GRAVEL, loose, moist.	GW			0.2						
SS	60		5											
			6	**(6'-8') SAND (SP):**Brown SAND fine through medium grained, no other grain sizes, loose, moist.	SP			0.1						
			7											
			8	**(3.5'-6') Sandy GRAVEL(GW):**Brown Sandy GRAVEL, fine through coarse Sand, fine through medium GRAVEL, trace Silt, loose, moist.	GW			0.2						
			9											
SS	60		10					0.1						
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-982-3988
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Fax: 317-972-7875

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-26 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			12	**(12'-17') GRAVEL (GW):**Light Brown GRAVEL, some Sand, loose, moist.				0.1						
			13											
			14		GW			0.0						
SS	60		15											
			16											
			17	**(17'-25') SAND (SP):**Brown SAND fine grained, trace medium Sand grains, loose, moist.			▼							
			18											
			19											
SS	60		20											
			21		SP									
			22											
			23											
			24											
			25											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
OHM Elm Grove	02-68-552102	PZ-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site	4/8/2013	4/8/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		PZ-1	726.4 Feet MSL	743.4 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 385,909 N, 2,513,618 E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
268104540	Waukesha	68	Elm Grove

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS	60		0	**(0'-0.25') ASPHALT (AS):** ASPHALT cover.	AS									
			1	**(0.25'-0.75') FILL:** FILL material, including coarse angular Gravel and Sand.	N/A									
			2	**(0.75'-3') Silty SAND (SP):** Brown/Gray Silty SAND, poorly graded, fine grained, trace Gravel, loose, moist.	SP									
			3	**(3'-3.75') Sandy GRAVEL (GW):** Black Sandy GRAVEL, fine through coarse grained, loose, moist.	GW									
			4	**(3.75'-4') Sandy GRAVEL (GW):** Light Brown Sandy GRAVEL, fine through coarse grained, trace Silt.	GW									
SS	60		5	**(4'-6.5') Silty Sandy GRAVEL (GW):** Dark Brown Silty Sandy GRAVEL, loose, moist, well graded material.	GW			0.0						
			6											
			7	**(6.5'-6.75') GRAVEL (GW):** Whitish Gray GRAVEL, fine through coarse grained, trace Sand, loose, moist.	GW									
			8	**(6.75'-11') CLAY (CL):** Gray CLAY, trave fine Gravel and Sand, medium stiff, slightly moist.	CL									
			9					0.1						
SS	60		10											
			11		GW									
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	EnviroForensics N16 W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	414-982-3988 Fax: 317-972-7875

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-1 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(11'-15') GRAVEL (GW):** Light Brown GRAVEL, fine through coarse grained, trace Sand, loose, moist. *(continued)*	GW			0.5						
			14											
SS	60		15	**(15'-22') SAND (SP):** Gray SAND, fine grained, trace medium SAND, trace Silt, loose, saturated at 17'.										
			16											
			17				▼	0.4						
			18											
			19		SP									
SS	60		20											
			21					0.3						
			22	**(22'-25') Silty SAND(SP):** Gray Silty SAND, fine grained, loose, saturated.										
			23											
			24		SP									
SS	60		25	**(25'-40') SAND (SP):** Gray SAND, fine grained, trace Silt, loose, saturated.				0.1						
			26											
			27											
			28		SW									
			29					0.1						
SS	60		30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-1 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33	**(25'-40') SAND (SP):**Gray SAND, fine grained, trace Silt, loose, saturated. *(continued)*										
			34					0.2						
SS	60		35											
			36		SW									
			37											
			38											
			39											
SS	60		40	**(40'-43') Silty SAND (SP):**Gray Silty SAND, fine grained, loose, saturated.										
			41		SP									
			42											
			43	**(43'-44') SAND (SP):**Gray SAND, fine through medium grained, loose, saturated.	SP									
			44	**(44'-47.5') SAND (SW):**Gray SAND, fine through coarse, trace Silt, loose, moist.										
SS	60		45											
			46		SW									
			47											
			48	**(47.5'-49.5') Clayey Sandy SILT (ML):**Gray Clayey Sandy SILT, loose, saturated.	ML									
			49											
SS	12		50	**(49.5'-51') SAND (SW):**Gray SAND, fine through coarse, some Silt, loose, saturated.	SW									
			51	@51' Bedrock Refusal										

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: OHM-Elm Grove	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: [X]) or Well Location [X]: Lat. 43 ° 2 ' 34.19 " Long. 88 ° 4 ' 43.83 " or	Wis. Unique Well No.: OO001 / DNR Well ID No.:
Facility ID: 268552102	St. Plane 385983.68 ft. N. 2513487.58 ft. E. S/C/N	Date Well Installed: 4/9/13 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-Site Environmental
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number: _____	

A. Protective pipe, top elevation 743.38 ft. MSL
B. Well casing, top elevation 742.95 ft. MSL
C. Land surface elevation 743.38 ft. MSL
D. Surface seal, bottom 1. ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW [X] SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger [X] 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None [X] 99

16. Drilling additives used? ☐ Yes [X] No
Describe None

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 0.5 ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 13 ft. MSL or _____ ft.
H. Screen joint, top 15 ft. MSL or _____ ft.
I. Well bottom 25 ft. MSL or _____ ft.
J. Filter pack, bottom 25 ft. MSL or _____ ft.
K. Borehole, bottom 25 ft. MSL or _____ ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.25 in.
N. I.D. well casing 2 in.

1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1. ft.
c. Material: Steel ☐ 04 / Flush Mount Cover _____ Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete [X] 01 / Flush Mount Cover _____ Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / _____ Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 4.12 ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips [X] 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Filter Sand
b. Volume added 3.8 ft^3
9. Well casing: Flush threaded PVC schedule 40 [X] 23 / Flush threaded PVC schedule 80 ☐ 24 / _____ Other ☐ _____
10. Screen material: _____
a. Screen type: Factory cut [X] 11 / Continuous slot 01 / _____ Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None [X] 14 / _____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Enviroforensics

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: OHM-Elm Grove	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: PZ-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: [X]) or Well Location [X]: Lat. 43 ° 2 ' 34.19 " Long. 88 ° 4 ' 43.81 " or	Wis. Unique Well No.: OO001 / DNR Well ID No.:
Facility ID: 268552102	St. Plane 385909.07 ft. N. 2513618.36 ft. E. S/C/N	Date Well Installed: 4/18/13 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ ☐ E. ☐ W.	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-Site Environmental
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 742.22 ft. MSL

B. Well casing, top elevation 741.81 ft. MSL

C. Land surface elevation 742.22 ft. MSL

D. Surface seal, bottom 1. ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger [X] 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 0.5 ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top 44 ft. MSL or _____ ft.

H. Screen joint, top 46 ft. MSL or _____ ft.

I. Well bottom 51 ft. MSL or _____ ft.

J. Filter pack, bottom 51 ft. MSL or _____ ft.

K. Borehole, bottom 51 ft. MSL or _____ ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2 in.

1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1. ft.
c. Material: Steel ☐ 04
Flush Mount Cover _____ Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Flush Mount Cover Other ☐ _____
4. Material between well casing and protective pipe:
Bentonite ☐ 30
_____ Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 13.95 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Filter Sand
b. Volume added 2.22 ft^3
9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ _____
10. Screen material: _____
a. Screen type: Factory cut [X] 11
Continuous slot ☐ 01
_____ Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: .5 ft.
11. Backfill material (below filter pack): None [X] 14
_____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Enviroforensics

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
One Hour Martinizing	Waukesha	PZ-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0268552102	68	ZZ111	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	X 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well: 35 min.

4. Depth of well (from top of well casisng): 13.1 ft.

5. Inside diameter of well: 2 in.

6. Volume of water in filter pack and well casing: 10 gal.

7. Volume of water removed from well: 40 gal.

8. Volume of water added (if any): ____ gal.

9. Source of water added: _____

10. Analysis performed on water added? ☐ Yes X No (If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 13.11 ft.	28.69 ft.
Date	b. 04 / 10 / 2013 (m m d d y y y y)	4/ 10/ 2013 (m m d d y y y y)
Time	c. 12 : 00 ☐ a.m. X p.m.	12 : 35 ☐ a.m. X p.m.
12. Sediment in well bottom	0.8 inches	0 inches
13. Water clarity	Clear ☐ 10 Turbid X 15	Clear X 20 Turbid ☐ 25
(Describe)	Chocolate Brown	Becomes clear after 20 minutes

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Jonathon Last Name: Jordan
Firm: Enviroforensics

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Brian Last Name: Cass
Facility/Firm: OHM Elm Grove
Street: 13405 Watertown Plank Road
City/State/Zip: Elm Grove WI 53122-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jonathon Jordan
Firm: Enviroforensics

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
One Hour Martinizing	Waukesha	MW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0268552102	68	ZZ111	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	X	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 24.4 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 9.5 gal.

7. Volume of water removed from well 37 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes X No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 14.21 ft.	24.4 ft.
Date	b. 04 / 10 / 2013 (m m d d y y y y)	4/ / 0/ /2013 (m m d d y y y y)
Time	c. 12 : 40 ☐ a.m. X p.m.	13 : 10 ☐ a.m. X p.m.
12. Sediment in well bottom	1.2 inches	0 inches
13. Water clarity	Clear ☐ 10 Turbid X 15	Clear X 20 Turbid ☐ 25
(Describe)	Chocolate Brown	Becomes clear after 15 minutes

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Jonathon Last Name: Jordan
Firm: Enviroforensics

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Brian Last Name: Cass
Facility/Firm: OHM Elm Grove
Street: 13405 Watertown Plank Road
City/State/Zip: Elm Grove WI 53122-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature:
Print Name: Jonathon Jordan
Firm: Enviroforensics

NOTE: See instructions for more information including a list of county codes and well type codes.

ATTACHMENT 2

FIELD SAMPLING FORMS

ENVIRO forensics

Sub-Slab Vapor/ Soil Gas Field Sampling Form

200 S. Executive Dr, Suite 101
Brookfield, WI 53005
T: 414-982-3988 F: 262-789-6699

SAMPLER NAME	J-Ford	SAMPLE ID	6142-SG-4
LOCATION/ADDRESS		SAMPLE TIME	
PROJECT NO./ NAME	6142 UTM Elm Grove	CANISTER ID	1301
CLIENT/CONTACT		FLOW CONTROL ID	
DATA COLLECTION: START DATE	4/12/13	END DATE	4/12/13

Time (hh:mm)	Vacuum Reading (In. of Hg)	Wind Direction	Wind Speed (mph)	Temperature (°F)	Barometer (Hg)	Relative Humidity (%)
11:15	-27.5					
11:20	-7.5					

Helium Leak Test		Pressure Test	
Date/Time performed:	/	Date/Time performed:	/
Background He concentration (ppm):	0 ~~45.2~~	Negative pressure of at least -15 in. Hg induced on sampling train?	
Shroud He concentration (%):	49.2	(circle one):	(yes) no
Sub-slab vapor/soil-gas He concentration (post helium insertion):	6	Did pressure hold?	yes no
Helium Leak Test Passed:	(yes) no		

Notes:

ENVIRO forensics

Sub-Slab Vapor/ Soil Gas Field Sampling Form

200 S. Executive Dr, Suite 101
Brookfield, WI 53005
T: 414-982-3988 F: 262-789-6699

SAMPLER NAME	J. Jordan	SAMPLE ID	6142-SG-13
LOCATION/ADDRESS		SAMPLE TIME	10:25
PROJECT NO./ NAME	OHM Elmgrove	CANISTER ID	1342
CLIENT/CONTACT		FLOW CONTROL ID	NA
DATA COLLECTION: START DATE	4/12/13	END DATE	4/12/13

Time hh:mm	Vacuum Reading In. of Hg	Wind Direction	Wind Speed mph	Temperature °F	Barometer Hg	Relative Humidity %
10:30	-28					
10:35	-10					

Helium Leak Test			Pressure Test		
Date/Time performed:	/		Date/Time performed:	/	
Background He concentration (ppm):	0		Negative pressure of at least -15 in. Hg induced on sampling train?		
Shroud He concentration (%):	42		(circle one):	X yes	no
Sub-slab vapor/soil-gas He concentration (post helium insertion):	0		Did pressure hold?	(yes)	no
Helium Leak Test Passed:	(yes)	no			

Notes:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Elm Grove — Well/Surface Station I D Potable Well #6

LOCATION/ADDRESS — Sample Designation Potable Well (Forward) + Potable Well (Bail)

PROJECT NO 6142 — Date 4/24/13

CLIENT/CONTACT — Personnel

WATER LEVEL MEASUREMENTS:

Water Level (MSL) ____ Feet below reference elevation 16.34 Date ____ Time ____

WELL EVACUATION:

Well Depth 46.5 feet — Well Diameter 4 inches — Casing Volume 19.69 gallons

Depth to Top of Screen ____ feet

Total No of Casing Volumes 4 — Total Gallons Removed 78 — Elapsed Time ____

WELL EVACUATION METHOD: Submersible Pump ____ Bailer ____ Peristaltic pump ____ Other ____

Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL	= 0.0003 gal
1 gal	= 3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed

SAMPLING:

Date 4/24/13 Time 1160

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	6	HCL

SAMPLING METHOD Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD ☐Non Phosphatic detergent wash/distilled water rinse ☐Methanol rinse

NOTES: Purged 4 volumes + sampled from Forward & bailer.

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Elm Grove
Well/Surface Station I D: MW-4
LOCATION/ADDRESS:
Sample Designation: 6142-MW-4
PROJECT NO: 6142
Date: 4/24/13
CLIENT/CONTACT:
Personnel:

WATER LEVEL MEASUREMENTS:

Water Level (MSL): ____ Feet below reference elevation: 13.61 Date: 4/24/13 Time: 1015

WELL EVACUATION:

Well Depth: 19.7 feet Well Diameter: ____ inches Casing Volume: ____ gallons
Depth to Top of Screen: ____ feet

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL	= 0.0003 gal
1 gal	= 3,785 mL

Total No of Casing Volumes: ____ Total Gallons Removed: ____ Elapsed Time: ____

WELL EVACUATION METHOD: Submersible Pump X Bailer ____ Peristaltic pump ____ Other ____
Non-Dedicated Equipment Identification

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1120	6.76	4.63	32.5	1.95	10.68	-11	13.61	200	1000
1125	6.80	4.53	14.5	1.08	10.94	-19	13.61		2000
1130	6.81	4.44	7.0	0.98	10.98	-21	13.61		3000
1135	6.81	4.48	4.3	1.10	11.02	-23	13.62		4000
1140	6.82	4.43	2.0	1.13	11.06	-25	13.62		5000
1145	6.83	4.41	1.1	1.03	11.07	-26	13.62		6000
1150	6.83	4.40	1.0	1.00	11.09	-27	13.62		7000
1155	6.84	4.40	0.8	0.98	11.10	-27	13.62		8000

SAMPLING:

Date: 4/24/13 Time: 1200

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD: Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD
☐ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Elm Grove — Well/Surface Station I D PZ-1

LOCATION/ADDRESS — Sample Designation 6142-PZ-1

PROJECT NO 6142 — Date 4/24/13

CLIENT/CONTACT — Personnel

WATER LEVEL MEASUREMENTS:

Water Level (MSL) _____ Feet below reference elevation 13.11 Date 4/24/13 Time 1015

WELL EVACUATION:

Well Depth 17.8 feet Well Diameter ____ inches Casing Volume _____ gallons

Depth to Top of Screen ____ feet

Total No of Casing Volumes _____ Total Gallons Removed _____ Elapsed Time _____

WELL EVACUATION METHOD Submersible Pump ____ Bailer ____ Peristaltic pump ____ Other _____

Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (µmhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1220	7.70	1.17	24.0	7.02	12.64	122	13.11	200	1000
1223	7.72	1.10	23.2	6.62	12.36	137	13.11		2000
1230	7.70	1.08	16.1	6.44	12.41	160	13.11		3000
1235	7.69	1.07	12.6	6.40	12.48	168	13.12		4000
1240	7.68	1.05	9.7	6.34	12.46	173	13.12		5000
1245	7.68	1.04	8.0	6.28	12.48	176	13.12		6000
1250	7.67	1.03	7.3	6.26	12.51	179	13.13		7000
1255	7.67	1.02	6.9	6.24	12.52	180	13.13	↓	8000

SAMPLING:

Date 4/24/13 Time 1300

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD

- ☐ Non Phosphatic detergent wash/distilled water rinse
- ☐ Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Elm Grove
Well/Surface Station I D: MW-2
LOCATION/ADDRESS:
Sample Designation: 6142-MW-2
PROJECT NO: 6142
Date: 4/24/13
CLIENT/CONTACT:
Personnel:

WATER LEVEL MEASUREMENTS:

Water Level (MSL): ____ Feet below reference elevation: 14.68 Date: 4/24/13 Time: 1015

WELL EVACUATION: Well Depth: 19.2 feet Well Diameter: ____ inches Casing Volume: ____ gallons
Depth to Top of Screen: ____ feet

Total No of Casing Volumes: ____ Total Gallons Removed: ____ Elapsed Time: ____

WELL EVACUATION METHOD: Submersible Pump: X Bailer: ____ Peristaltic pump: ____ Other: ____
Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1355	7.56	2.32	48.5	4.85	11.96	138	14.68	200	1000
1400	7.43	2.11	32.6	4.38	10.80	142	14.68		2000
1405	7.38	1.91	21.6	3.37	10.91	144	14.68		3000
1410	7.23	1.71	13.5	2.98	10.98	145	14.68		4000
1415	7.20	1.57	7.8	2.63	11.01	146	14.69		5000
1420	7.18	1.38	6.4	2.37	11.02	147	14.69		6000
1425	7.16	1.36	6.3	2.23	10.90	148	14.70		7000
1430	7.15	1.35	0.0	2.20	10.89	148	14.70	↓	8000

SAMPLING: Date: 4/24/13 Time: 1435

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD: Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD
☐ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Elm Grove — Well/Surface Station I D MW-5

LOCATION/ADDRESS — Sample Designation 6142-MW-5

PROJECT NO 6142 — Date 4/24/13

CLIENT/CONTACT — Personnel

WATER LEVEL MEASUREMENTS:

Water Level (MSL) _____ Feet below reference elevation 14.31 Date 4/24/13 Time 1015

WELL EVACUATION:

Well Depth 24.3 feet Well Diameter ____ inches Casing Volume _____ gallons

Depth to Top of Screen ____ feet

Total No of Casing Volumes _____ Total Gallons Removed _____ Elapsed Time _____

WELL EVACUATION METHOD Submersible Pump ____ Bailer ____ Peristaltic pump ____ Other _____

Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3.785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1448	7.12	1.72	63.1	4.13	11.29	85	14.31	200	1000
1450	6.99	1.92	37.7	2.69	10.79	31	14.31		2000
1455	6.96	1.90	12.8	2.49	10.73	27	14.31		3000
1500	6.97	1.91	7.6	2.41	10.74	23	14.32		4000
1505	6.96	1.92	5.5	2.24	10.75	19	14.32		5000
1510	6.96	1.92	4.4	2.21	10.76	18	14.32		6000
1515	6.97	1.92	3.4	2.19	10.77	17	14.32		7000
1520	6.96	1.92	2.9	2.18	10.78	17	14.32		8000

SAMPLING:

Date 4/24/13 Time 1525

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump _____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD ☐ Non Phosphatic detergent wash/distilled water rinse ☐ Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Elm Grove — Well/Surface Station I D MW-3

LOCATION/ADDRESS — Sample Designation 6142-MW-3

PROJECT NO 6142 — Date 4/24/13

CLIENT/CONTACT — Personnel

WATER LEVEL MEASUREMENTS:

Water Level (MSL) — Feet below reference elevation 14.28 — Date 4 — Time

WELL EVACUATION:

Well Depth 19.3 feet — Well Diameter ____ inches — Casing Volume ____ gallons

Depth to Top of Screen ____ feet

Total No of Casing Volumes — Total Gallons Removed — Elapsed Time

WELL EVACUATION METHOD — Submersible Pump ____ Bailer ____ Peristaltic pump ____ Other ____

Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1540	7.09	2.54	16.8	3.28	13.55	-15	14.28	200	1000
1545	6.69	2.66	12.0	0.82	12.54	-25	14.28		2000
1550	6.71	2.71	5.8	0.71	12.46	-30	14.28		3000
1555	6.69	2.70	3.4	0.66	12.50	-32	14.28		4000
1600	6.68	2.72	2.2	0.55	12.51	-33	14.29		5000
1605	6.67	2.73	1.2	0.48	12.49	-34	14.29		6000
1610	6.67	2.74	0.3	0.47	12.48	-34	14.29		7000
1615	6.67	2.74	0.0	0.45	12.49	-34	14.29		8000

SAMPLING:

Date 4/24/13 Time 1620

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD — Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD

☐ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Elm Grove — Well/Surface Station I D MW-1

LOCATION/ADDRESS — Sample Designation 6142-MW-1

PROJECT NO 6142 — Date 4/24/13

CLIENT/CONTACT — Personnel

WATER LEVEL MEASUREMENTS:

Water Level (MSL) _____ Feet below reference elevation 13.24 Date 4/24/13 Time 1015

WELL EVACUATION:

Well Depth 19.5 feet Well Diameter ____ inches Casing Volume _____ gallons

Depth to Top of Screen ____ feet

Total No of Casing Volumes _____ Total Gallons Removed _____ Elapsed Time _____

WELL EVACUATION METHOD Submersible Pump _____ Bailer ____ Peristaltic pump ____ Other _____

Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1635	7.09	4.76	145	5.07	11.32	23	13.24	200	1000
1640	7.15	4.59	88.1	5.01	10.72	63	13.24		2000
1645	7.13	4.91	34.2	5.25	10.03	100	13.24		3000
1650	7.11	4.77	22.0	5.29	9.97	104	13.25		4000
1655	7.10	4.68	13.9	5.31	9.90	106	13.25		5000
1700	7.13	4.59	11.4	5.33	9.85	107	13.25		6000
1705	7.12	4.50	10.1	5.34	9.83	109	13.25		7000
1710	7.11	4.43	9.7	5.35	9.80	109	13.25		8000

SAMPLING:

Date 4/24/13 Time 1715

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump _____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD ☐Non Phosphatic detergent wash/distilled water rinse ☐Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Elm Grove
Well/Surface Station I D: MW-7
LOCATION/ADDRESS:
Sample Designation: 6142-MW-7
PROJECT NO: 6142
Date: 4/25/13
CLIENT CONTACT:
Personnel:

WATER LEVEL MEASUREMENTS:

Water Level (MSL): ____ Feet below reference elevation: 14.21 Date: 4/24/13 Time: 10:15

WELL EVACUATION: Well Depth: 24.0 feet Well Diameter: ____ inches Casing Volume: ____ gallons
Depth to Top of Screen: ____ feet

Total No of Casing Volumes: ____ Total Gallons Removed: ____ Elapsed Time: ____

WELL EVACUATION METHOD: Submersible Pump ____ Bailer ____ Peristaltic pump ____ Other ____
Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL	= 0.0003 gal
1 gal	= 3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1250	6.93	3.04	147	1.18	11.10	180	14.21	200	1000
1255	6.82	3.03	71.8	0.84	11.05	168	14.21		2000
1300	6.80	3.06	40.2	0.44	11.03	153	14.22		3000
1305	6.80	3.08	20.9	0.35	11.01	135	14.22		4000
1310	6.79	3.09	15.6	0.30	11.00	130	14.22		5000
1315	6.79	3.10	12.3	0.27	11.00	128	14.23		6000
1320	6.79	3.10	10.8	0.25	10.99	126	14.23		7000
1325	6.79	3.11	10.0	0.24	10.99	125	14.23		8000

SAMPLING: Date: 4/25/13 Time: 1330

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	3	HCL

SAMPLING METHOD: Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD: ☐Non Phosphatic detergent wash/distilled water rinse
☐Methanol rinse

NOTES:

ENVIRO forensics

LOW- FLOW GROUNDWATER FIELD SAMPLING DATA FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Elm Grove — Well/Surface Station I D MW-6

LOCATION/ADDRESS — Sample Designation 6142-MW-6

PROJECT NO 6142 — Date 4/28/13

CLIENT CONTACT — Personnel

WATER LEVEL MEASUREMENTS:

Water Level (MSL) _____ Feet below reference elevation 15.27 Date 4/24/14 Time 10:15

WELL EVACUATION:

Well Depth 24.7 feet Well Diameter ____ inches Casing Volume _____ gallons

Depth to Top of Screen ____ feet

Total No. of Casing Volumes: _____ Total Gallons Removed _____ Elapsed Time _____

WELL EVACUATION METHOD Submersible Pump X Bailer ____ Peristaltic pump ____ Other _____

Non-Dedicated Equipment Identification

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.04	1" Well
0.163	2" Well
0.653	4" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

Stability Parameter Readings:

Time	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)	Dissolved Oxgen (mg/L)	Temperature (Celsius)	Oxidation-Reduction Potential (mV)	DTW (ft)	Flow Rate (ml/min)	mL Removed
1340	7.23	2.50	117	4.86	11.19	102	15.27	200	1000
1345	6.97	2.40	87.1	5.23	10.72	107	15.27		2000
1350	6.93	2.46	48.9	5.04	10.73	69	15.28		3000
1355	6.91	2.45	26.0	4.98	10.80	49	15.28		4000
1400	6.89	2.44	13.5	4.97	10.85	37	15.29		5000
1405	6.88	2.43	10.7	4.95	10.89	26	15.29		6000
1410	6.87	2.44	9.9	4.94	10.91	22	15.30		7000
~~1415~~							~~15.30~~		

SAMPLING:

Date 4/25/13 Time 1415

Sample Analysis	Volume	Container Type	Number of Containers	Preservative
VOCs	40mL	VOA	6	HCL

SAMPLING METHOD Low-Flow ____ Grab ____ Bailer ____ Stainless Steel Bailer ____ Peristaltic pump ____

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD ☐ Non Phosphatic detergent wash/distilled water rinse ☐ Methanol rinse

NOTES: DUP-1 taken here

ENVIRO forensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-1
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142-MW-1
PROJECT NO.: 6142
Date: 7/2/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth: 19.12 feet
Depth to Water: 13.19 feet
Well Diameter: 2 inches
Casing Volume: 0.966 gallons
Volume Removed: ____ gallons
Total No. of Casing Volumes Removed: ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3.785 mL

SAMPLING METHOD:

Low-Flow: ____
Grab/No-purge: ____
Bailer: ____
Peristaltic pump: X
Submersible Pump: ____
Other: ____
Was drawdown greater than 0.3 ft? (y/n): ____

Stability Parameter Readings:

Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time: 1025

	pH	Specific Conductance	Turbidity	Dissolved Oxgen	Temperature	Oxidation-Reduction Potential (mV)	DTW	Flow Rate	mL Removed
	+/- 0.1	(umhos/cm) +/- 3%	(NTU) +/- 10%*	(mg/L) +/- 10%*	(Celsius) +/- 3%	+/- 10mV*	(ft) <0.3ft	(ml/min) <250	
1030	6.80	6.98	95.2	2.82	15.85	143	13.19	~200	1000
1035	6.95	7.00	70.6	2.14	14.36	133	13.19		2000
1040	6.97	7.00	71.2	1.64	13.93	131	13.20		3000
1045	6.98	6.97	86.5	1.33	13.71	130	13.21		4000
1050	6.98	6.95	80.1	1.34	13.70	129	13.21		5000
1055	6.97	6.95	73.2	1.35	13.68	129	13.21		6000
1100	6.98	6.94	71.5	1.34	13.67	128	13.21		7000
1105	6.99	6.94	68.3	1.32	13.65	127	13.21		8000
1110	6.98	6.93	67.9	1.31	13.65	127	13.20	↓	9000

* Only one (1) of these need to reach stability.

SAMPLING:

Date: 7/2/13 Time: 1115

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	–	–

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
☒ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIRO forensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-2
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142-MW-2
PROJECT NO.: 6142
Date: 7/2/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth: 19.02 feet
Depth to Water: 14.66 feet
Well Diameter: 2 inches
Casing Volume @ .720 gallons
Volume Removed: ____ gallons
Total No. of Casing Volumes Removed: ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3.785 mL

SAMPLING METHOD:

Low-Flow: ____
Grab/No-purge: ____
Bailer: ____
Peristaltic pump: X
Submersible Pump: ____
Other: ____
Was drawdown greater than 0.3 ft? (y/n): ____

Stability Parameter Readings:

Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 1320	pH +/- 0.1	Specific Conductance (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%*	Dissolved Oxgen (mg/L) +/- 10%*	Temperature (Celsius) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV*	DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1325	7.48	2.15	103	2.32	18.41	88	14.60	~200	1000
1330	7.45	2.03	98.5	2.14	18.30	94	14.61		2000
1335	7.43	1.95	112	1.63	18.25	101	14.62		3000
1340	7.42	1.84	136	1.25	18.20	105	14.63		4000
1345	7.41	1.79	108	1.29	18.20	107	14.63		5000
1350	7.40	1.74	107	1.36	18.20	108	14.64		6000
1355	7.41	1.75	107	1.37	18.20	109	14.64	↓	7000
1400	7.40	1.74	106	1.27	18.21	110	14.65		8000
						110			

* Only one (1) of these need to reach stability.

SAMPLING:

Date: 7/2/13 Time: 1405

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	—	—

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
☒ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIRO forensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-3
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142- MW-3
PROJECT NO.: 6142
Date: 7/2/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth 19.02 feet
Depth to Water 14.21 feet
Well Diameter 2 inches
Casing Volume 0.784 gallons
Volume Removed ____ gallons
Total No. of Casing Volumes Removed ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3.785 mL

SAMPLING METHOD:

Low-Flow ____
Grab/No-purge ____
Bailer ____
Peristaltic pump X
Submersible Pump ____
Other ____
Was drawdown greater than 0.3 ft? (y/n) ____

Stability Parameter Readings:

Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 1530	pH	Specific Conductance	Turbidity	Dissolved Oxgen	Temperature	Oxidation-Reduction Potential (mV)	DTW	Flow Rate	mL Removed
	+/- 0.1	(umhos/cm) +/- 3%	(NTU) +/- 10%*	(mg/L) +/- 10%*	(Celsius) +/- 3%	+/- 10mV*	(ft) <0.3ft	(ml/min) <250	
1535	6.98	3.81	28.2	0.56	14.13	-79	14.21	~200	1000
1540	6.96	3.80	18.7	0.22	14.09	-80	14.22		2000
1545	6.95	3.80	18.1	0.17	14.11	-81	14.24		3000
1550	6.93	3.79	14.1	0.17	14.09	-81	14.27		4000
1555	6.92	3.78	13.7	0.15	14.03	-82	14.29		5000
1600	6.91	3.77	13.2	0.13	14.89	-83	14.30		6000
1605	6.90	3.78	12.9	0.12	14.85	-82	14.31		7000
1610	6.91	3.77	12.6	all	13.82	-83	14.31	↓	8000

* Only one (1) of these need to reach stability.

SAMPLING:

Date 7/2/13 Time 1615

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	-	-

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
☒ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIRO forensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-4
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142- MW-4
PROJECT NO.: 6142
Date: 7/3/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth: 19.41 feet
Depth to Water: 13.23 feet
Well Diameter: 2 inches
Casing Volume: 1.00 gallons
Volume Removed: ____ gallons
Total No. of Casing Volumes Removed: ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3.785 mL

SAMPLING METHOD:

Low-Flow: ____
Grab/No-purge: ____
Bailer: ____
Peristaltic pump: X
Submersible Pump: ____
Other: ____
Was drawdown greater than 0.3 ft? (y/n): ____

Stability Parameter Readings:

Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 6:45	pH	Specific Conductance	Turbidity	Dissolved Oxgen	Temperature	Oxidation-Reduction Potential	DTW	Flow Rate	mL Removed
	+/- 0.1	(umhos/cm) +/- 3%	(NTU) +/- 10%*	(mg/L) +/- 10%*	(Celsius) +/- 3%	(mV) +/- 10mV*	(ft) <0.3ft	(ml/min) <250	
650	6.78	9.54	67.1	7.53	13.45	39	13.23	~200	1000
655	6.77	9.32	38.7	6.96	13.59	35	13.25		2000
700	6.76	9.16	29.7	6.46	13.71	34	13.28		3000
705	6.77	8.92	20.8	5.89	13.73	37	13.28		4000
710	6.76	8.78	19.8	5.71	13.73	36	13.28		5000
715	6.76	8.61	19.1	5.63	13.74	36	13.28		6000
720	6.77	8.53	18.2	5.59	13.73	37	13.28		7000
725	6.76	8.49	18.2	5.57	13.73	37	13.29		8000
730	6.76	8.42	17.9	5.56	13.72	37	13.29	↓	9000

* Only one (1) of these need to reach stability.

SAMPLING:

Date: 7/3/13 Time: 735

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	—	—

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
[X] Non Phosphatic detergent wash/distilled water rinse
[ ] Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIROforensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-5
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142- MW-5
PROJECT NO.: 6142
Date: 7/2/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth 24.02 feet
Depth to Water 14.23 feet
Well Diameter 2 inches
Casing Volume 1.59 gallons
Volume Removed ____ gallons
Total No. of Casing Volumes Removed ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

SAMPLING METHOD:

Low-Flow ____
Grab/No-purge ____
Bailer ____
Peristaltic pump X
Submersible Pump ____
Other ____
Was drawdown greater than 0.3 ft? (y/n) ____

Stability Parameter Readings:

Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 1425	pH	Specific Conductance	Turbidity	Dissolved Oxgen	Temperature	Oxidation-Reduction Potential	DTW	Flow Rate	mL Removed
	+/- 0.1	(umhos/cm) +/- 3%	(NTU) +/- 10%*	(mg/L) +/- 10%*	(Celsius) +/- 3%	(mV) +/- 10mV*	(ft) <0.3ft	(ml/min) <250	
1430	7.20	1.66	84.1	1.81	12.97	53	14.23	~200	1000
1435	7.13	1.66	39.3	4.61	11.69	45	14.24		2000
1440	7.12	1.63	27.6	4.44	11.56	37	14.25		3000
1445	7.10	1.62	21.9	4.23	11.53	34	14.25		4000
1450	7.09	1.60	19.8	4.10	11.52	34	14.26		5000
1455	7.08	1.59	19.9	4.11	11.53	35	14.26		6000
1500	7.08	1.59	19.7	4.08	11.51	34	14.27		7000
1505	7.07	1.58	19.7	4.06	11.52	34	14.29	✓	8000

* Only one (1) of these need to reach stability.

SAMPLING:

Date 7/2/13 Time 1510

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		6	HCL	N	none	X	

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
☒ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIROforensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-6
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142-MW-6
PROJECT NO.: 6142
Date: 7/2/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth 24.02 feet
Depth to Water 15.20 feet
Well Diameter 2 inches
Casing Volume 1.43 gallons
Volume Removed ____ gallons
Total No. of Casing Volumes Removed ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

SAMPLING METHOD:

Low-Flow ____
Grab/No-purge ____
Bailer ____
Peristaltic pump X
Submersible Pump ____
Other ____
Was drawdown greater than 0.3 ft? (y/n) ____

Stability Parameter Readings: Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 12:25	pH +/- 0.1	Specific Conductance (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%*	Dissolved Oxgen (mg/L) +/- 10%*	Temperature (Celsius) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV*	DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
12 30	7.21	4.18	402	1.45	13.12	-22	15.20	~200	1000
12 35	7.15	4.11	172	0.66	12.89	-16	15.21		2000
12 40	7.14	4.08	72.3	0.51	12.43	-16	15.21		3000
12 45	7.13	4.06	57.5	0.40	12.16	-15	15.22		4000
12 50	7.13	4.06	45.6	0.41	12.11	-16	15.22		5000
12 55	7.12	4.05	21.7	0.48	12.06	-15	15.23		6000
1300	7.11	4.01	14.9	0.55	12.02	-15	15.23		7000
1335	7.11	4.01	13.9	0.54	12.02	-15	15.24		8000

* Only one (1) of these need to reach stability.

SAMPLING: Date 7/2/13 Time 1330 ~~1340~~ HH

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	-	-

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
☒ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIRO forensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: MW-7
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142- MW-7
PROJECT NO.: 6142
Date: 7/2/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth 23.96 feet
Depth to Water 14.11 feet
Well Diameter 2 inches
Casing Volume 1.59 gallons
Volume Removed ____ gallons
Total No. of Casing Volumes Removed ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3.785 mL

SAMPLING METHOD:

Low-Flow ____
Grab/No-purge ____
Bailer ____
Peristaltic pump X
Submersible Pump ____
Other ____
Was drawdown greater than 0.3 ft? (y/n) ____

Stability Parameter Readings:

Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 1130	pH +/- 0.1	Specific Conductance (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%*	Dissolved Oxgen (mg/L) +/- 10%*	Temperature (Celsius) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV*	DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1135	7.13	4.29	285	0.15	14.75	-71	14.11	~200	1000
1140	7.08	4.35	281	0.18	14.67	-77	14.12		2000
1145	6.97	4.39	278	0.21	14.61	-84	14.13		3000
1150	6.93	4.47	279	0.24	14.58	-93	14.13		4000
1155	6.91	4.47	262	0.54	14.64	-106	14.14		5000
1200	6.90	4.48	240	0.51	14.57	-114	14.15		6000
1205	6.89	4.46	253	0.49	14.53	-112	14.15		7000
1210	6.87	4.45	231	0.48	14.53	-113	14.15		8000

* Only one (1) of these need to reach stability.

SAMPLING:

Date 7/2/13 Time 1215

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	-	-

EQUIPMENT DECONTAMINATION PROCEDURES:

DECONTAMINATION METHOD:
[X] Non Phosphatic detergent wash/distilled water rinse
[ ] Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ENVIRO forensics

GROUNDWATER SAMPLING FORM

602 N. Capital Ave
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: OHM Elm Grove
Well/Surface Station I.D.: PZ-1
LOCATION/ADDRESS: 13405 Watertown Plank Rd, Elm Grove, WI
Sample Designation: 6142- PZ-1
PROJECT NO.: 6142
Date: 7/3/13
CLIENT/CONTACT:
Personnel: Kyle Heimstead

WATER LEVEL MEASUREMENTS:

Well Depth 47.13 feet
Depth to Water 13.00 feet
Well Diameter 2 inches
Casing Volume 5.56 gallons
Volume Removed ____ gallons
Total No. of Casing Volumes Removed ____

Factor * Water Column Height Equals Gallons	
Factor	Diameter
0.163	2" Well
0.653	4" Well
1.469	6" Well
Conversions	
1 mL =	0.0003 gal
1 gal =	3,785 mL

SAMPLING METHOD:

Low-Flow ____
Grab/No-purge ____
Bailer ____
Peristaltic pump X
Submersible Pump ____
Other ____
Was drawdown greater than 0.3 ft? (y/n) ____

Stability Parameter Readings: Readings every three minutes for at least three readings to achieve stability for ALL parameters except as noted.

Start Time 755	pH +/- 0.1	Specific Conductance (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%*	Dissolved Oxgen (mg/L) +/- 10%*	Temperature (Celsius) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV*	DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
800	7.43	1.33	415	3.05	13.44	-122	13.60	~200	1000
805	7.39	1.30	327	0.58	13.40	-125	13.02		2000
810	7.40	1.30	116	0.38	13.46	-127	13.041		3000
815	7.39	1.31	33.1	0.37	13.47	-127	13.05		4000
820	7.39	1.30	21.2	0.35	13.47	-129	13.07		5000
825	7.38	1.29	16.5	0.33	13.48	-128	13.08		6000
830	7.39	1.30	13.9	0.31	13.49	-129	13.11		7000
835	7.39	1.29	13.7	0.32	13.48	-129	13.12		8000
840	7.40	1.29	12.5	0.33	13.49	-128	13.12	↓	9000

* Only one (1) of these need to reach stability.

SAMPLING: Date 7/3/13 Time 845

Sample Analysis	Volume	Type	Number of Containers	Preservative Type	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml		3	HCL	N	none	-	-

EQUIPMENT DECONTAMINATION PROCEDURES:

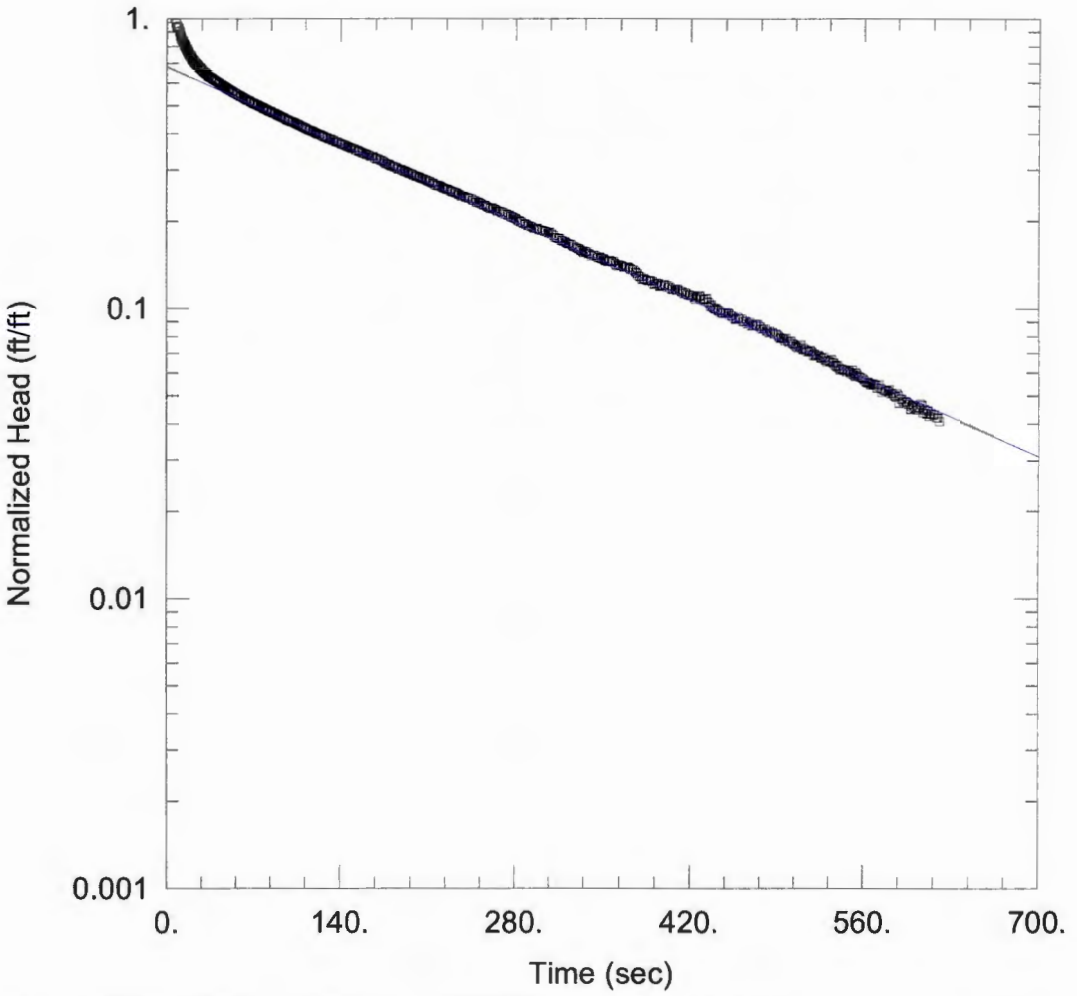
DECONTAMINATION METHOD:
☒ Non Phosphatic detergent wash/distilled water rinse
☐ Methanol rinse

NOTES:

Sampler Signature: Kyle Heimstead

ATTACHMENT 3

SLUG TEST ANALYSIS SHEETS



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-2 T1.aqt
Date: 05/23/13 Time: 14:55:09

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-2 T1
Test Date: 4/25/13

AQUIFER DATA

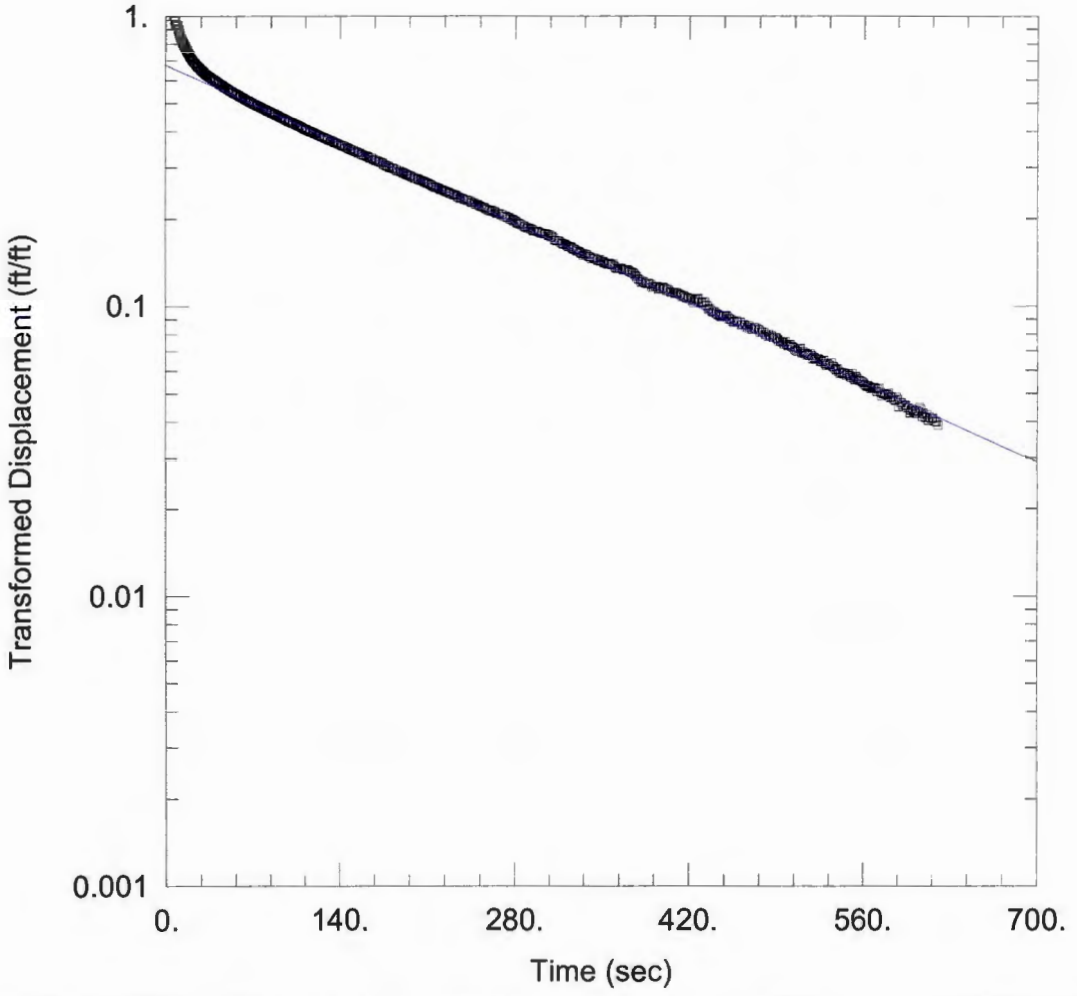
Saturated Thickness: 7.286 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-2 T1)

Initial Displacement: 0.851 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.286 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.338E-6 ft/sec
y0 = 0.5813 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-2 T1.aqt
Date: 05/23/13 Time: 14:53:48

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-2 T1
Test Date: 4/25/13

AQUIFER DATA

Saturated Thickness: 7.286 ft Anisotropy Ratio (Kz/Kr): 1.

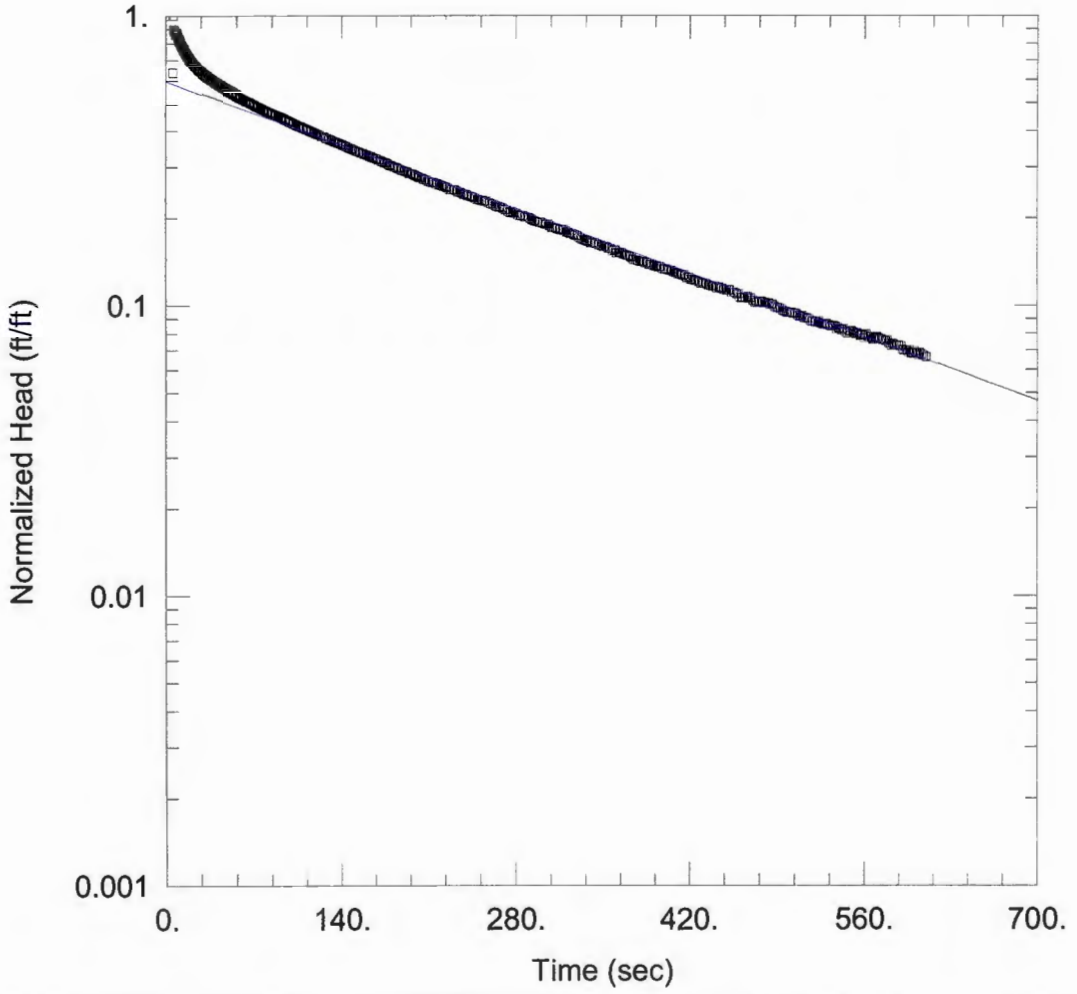
WELL DATA (MW-2 T1)

Initial Displacement: 0.851 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.286 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Dagan

K = 6.519E-6 ft/sec y0 = 0.5858 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-2 T2.aqt
Date: 05/23/13 Time: 14:56:40

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-2 T2
Test Date: 4/25/13

AQUIFER DATA

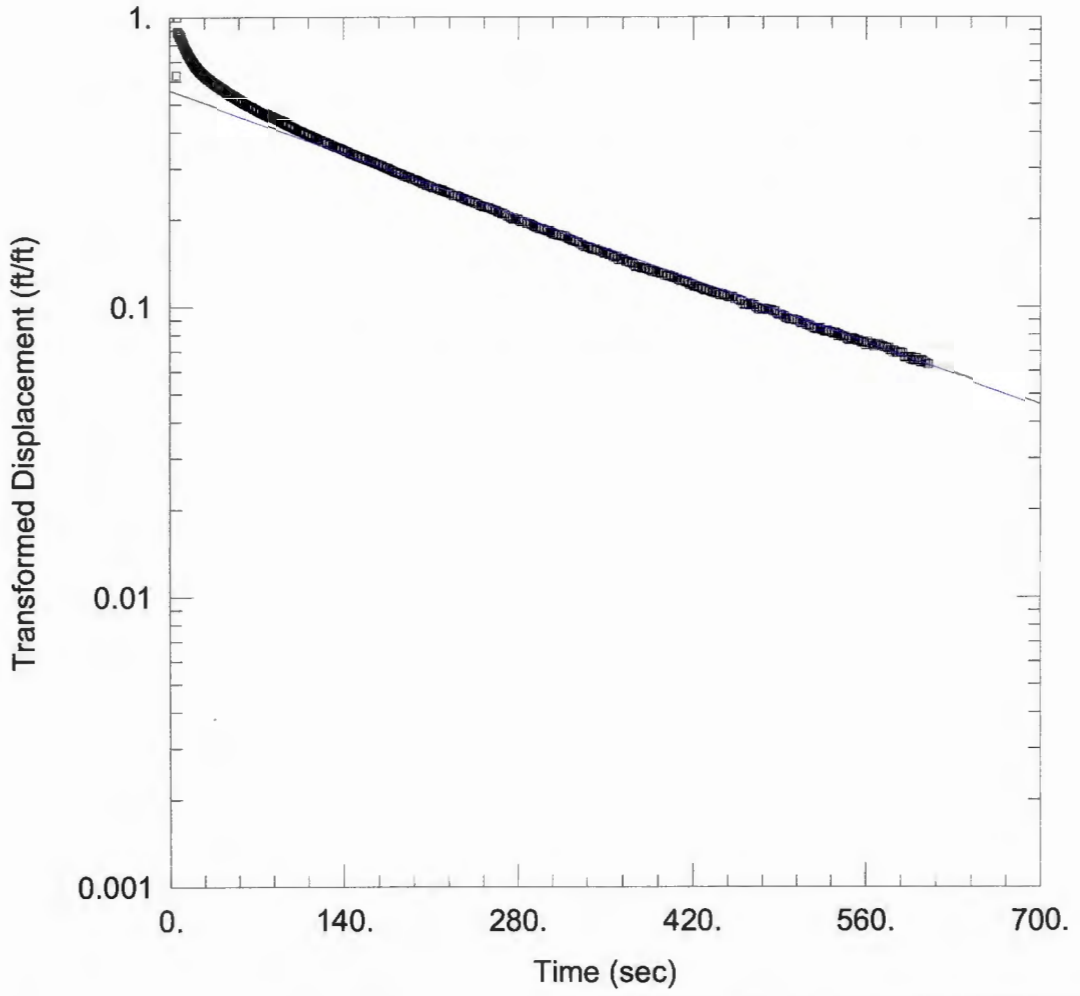
Saturated Thickness: 7.356 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-2 T2)

Initial Displacement: 0.8991 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.356 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.153E-6 ft/sec
y0 = 0.5372 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-2 T2.aqt
Date: 05/23/13 Time: 15:01:59

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-2 T2
Test Date: 4/25/13

AQUIFER DATA

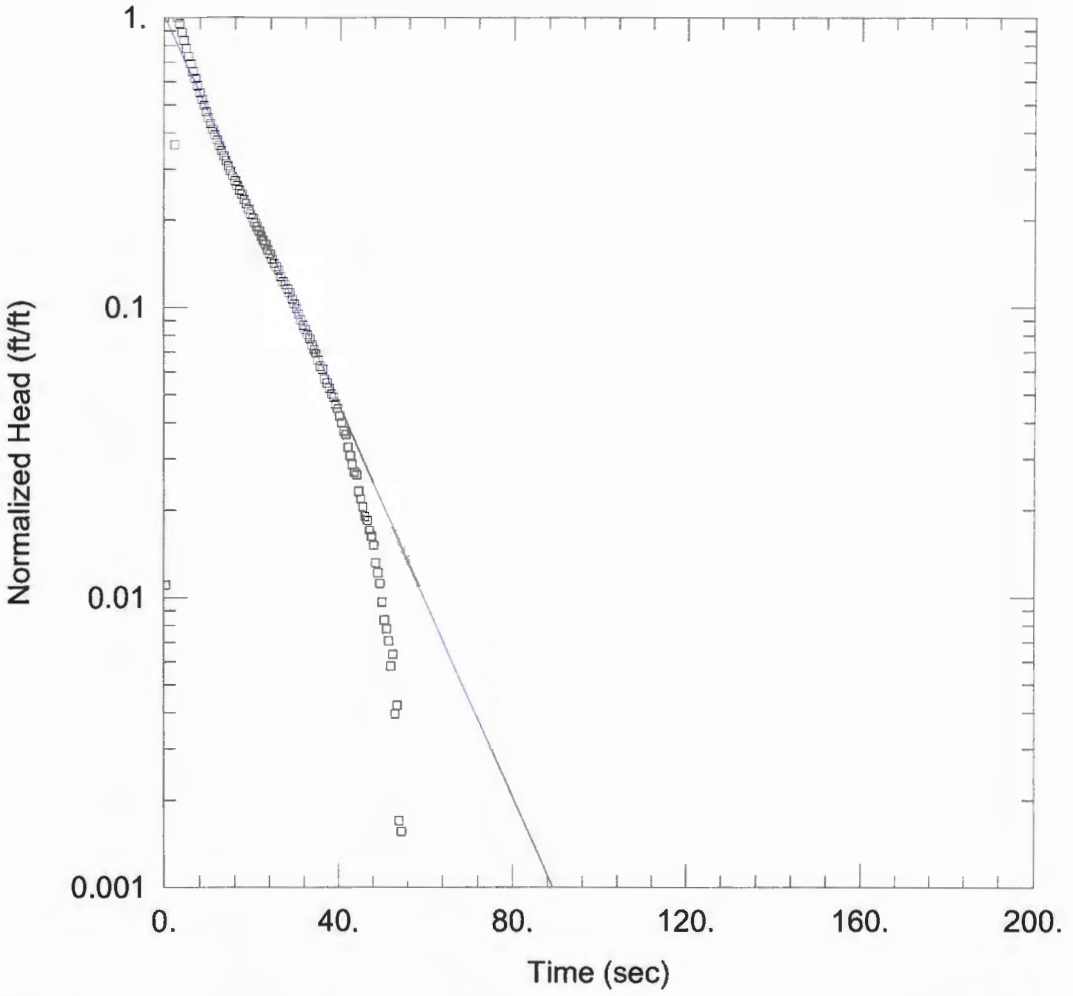
Saturated Thickness: 7.356 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-2 T2)

Initial Displacement: 0.8991 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.356 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Dagan
K = 5.125E-6 ft/sec
y0 = 0.5131 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-4 T1.aqt
Date: 05/23/13 Time: 15:04:32

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-4 T1
Test Date: 4/25/13

AQUIFER DATA

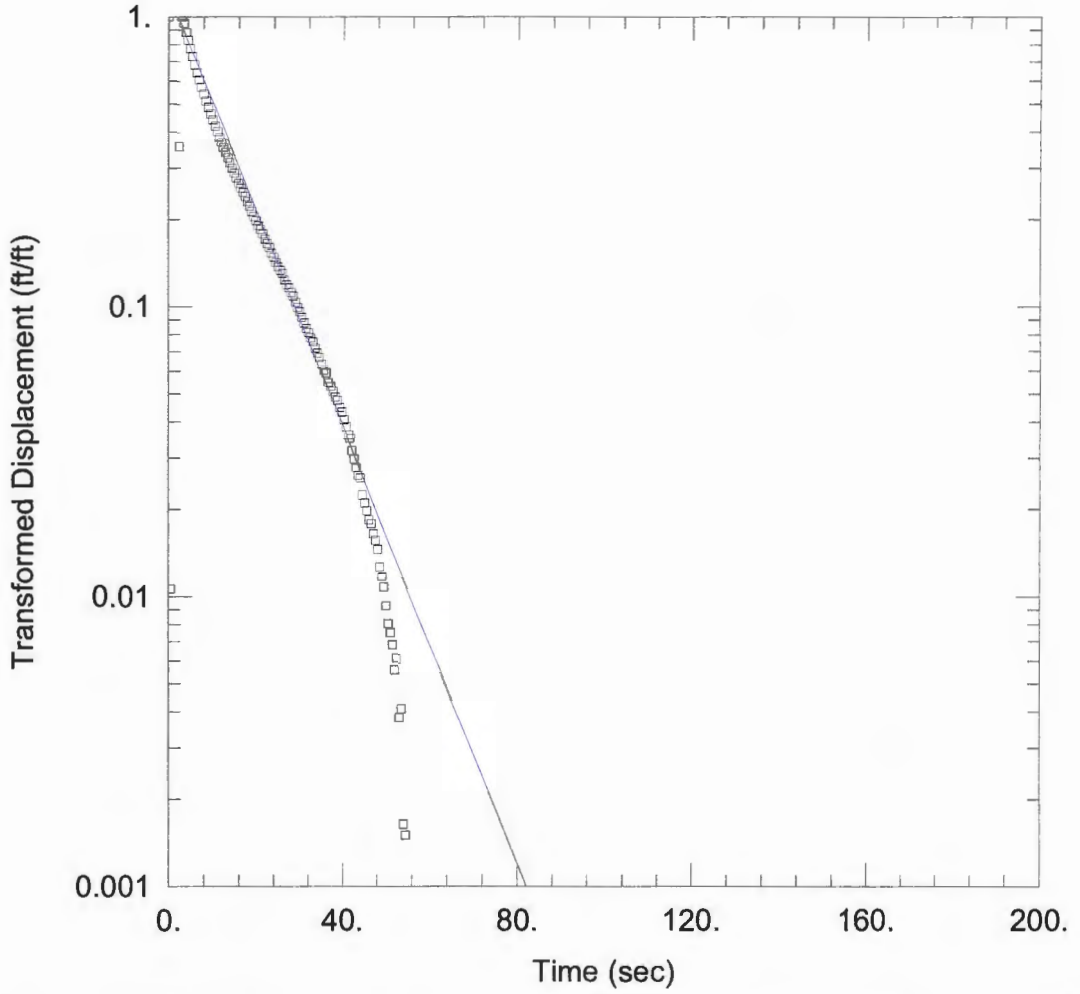
Saturated Thickness: 8.744 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4 T1)

Initial Displacement: 0.7074 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.744 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 9.37E-5 ft/sec
y0 = 0.7252 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-4 T1.aqt
Date: 05/23/13 Time: 15:03:00

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-4 T1
Test Date: 4/25/13

AQUIFER DATA

Saturated Thickness: 8.744 ft Anisotropy Ratio (Kz/Kr): 1.

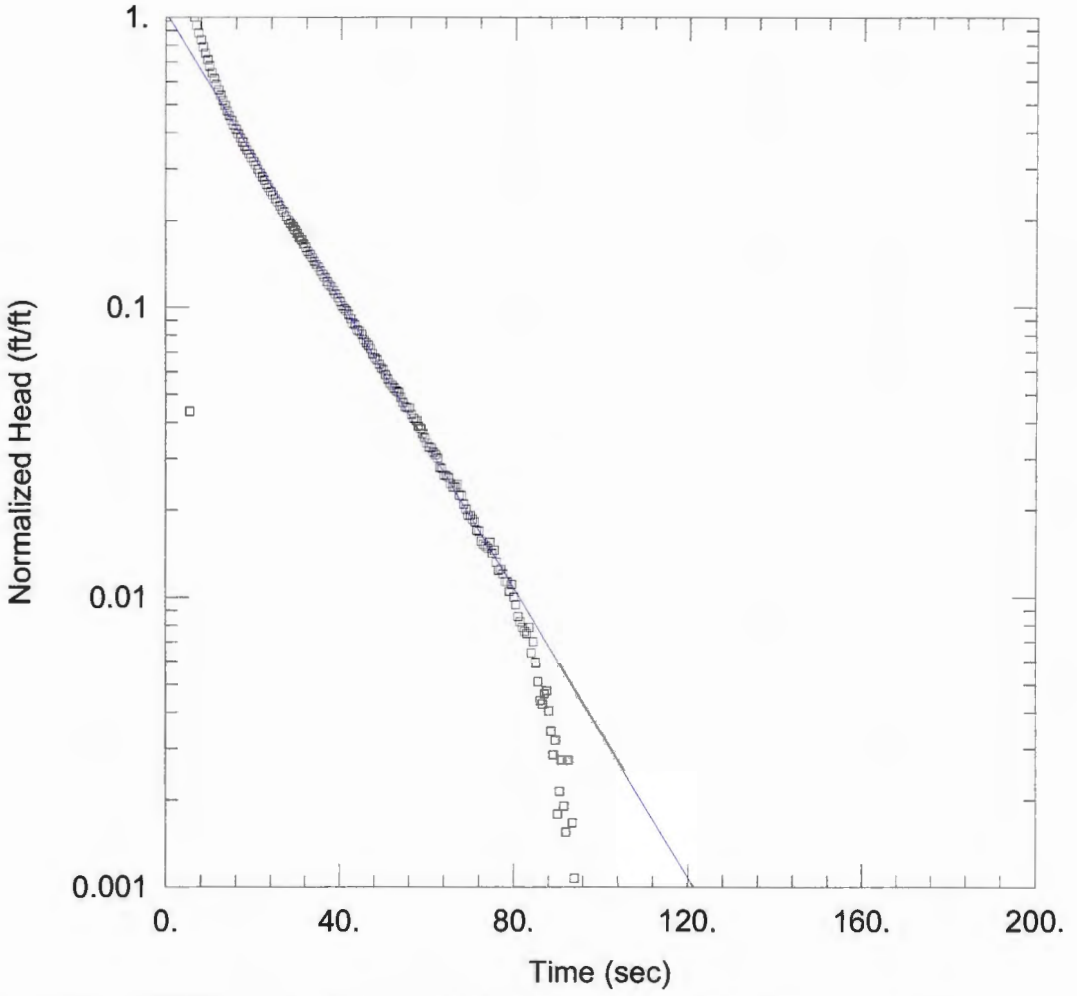
WELL DATA (MW-4 T1)

Initial Displacement: 0.7074 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.744 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Dagan

K = 0.0001089 ft/sec y0 = 0.8502 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-4 T2.aqt
Date: 05/23/13 Time: 15:05:36

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-4 T2
Test Date: 4/25/13

AQUIFER DATA

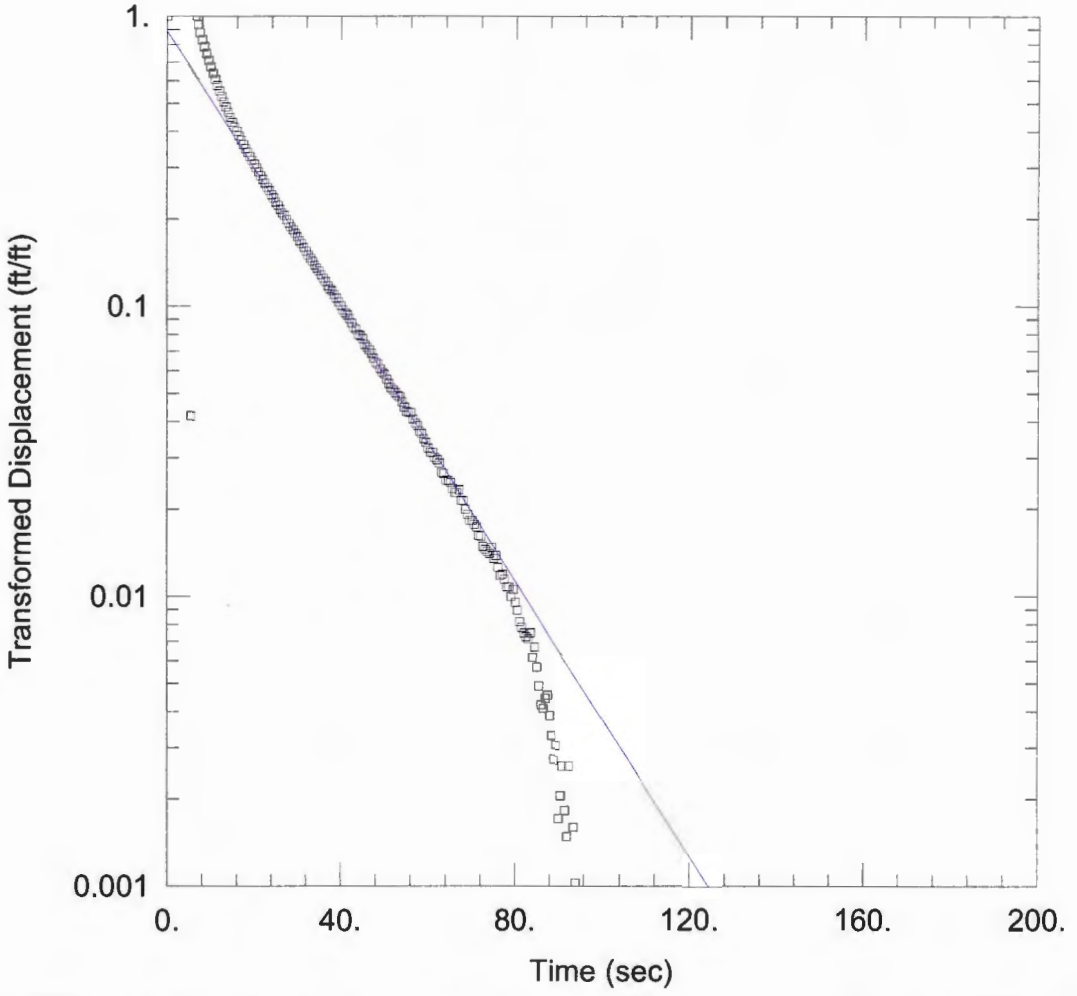
Saturated Thickness: 8.785 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4 T2)

Initial Displacement: 0.841 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.785 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.869E-5 ft/sec
y0 = 0.8782 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Regupathy, Hari\PROJECTS\6142 OHM Elm Grove\Data Reduction\MW-4 T2.aqt
Date: 05/23/13 Time: 15:06:07

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-4 T2
Test Date: 4/25/13

AQUIFER DATA

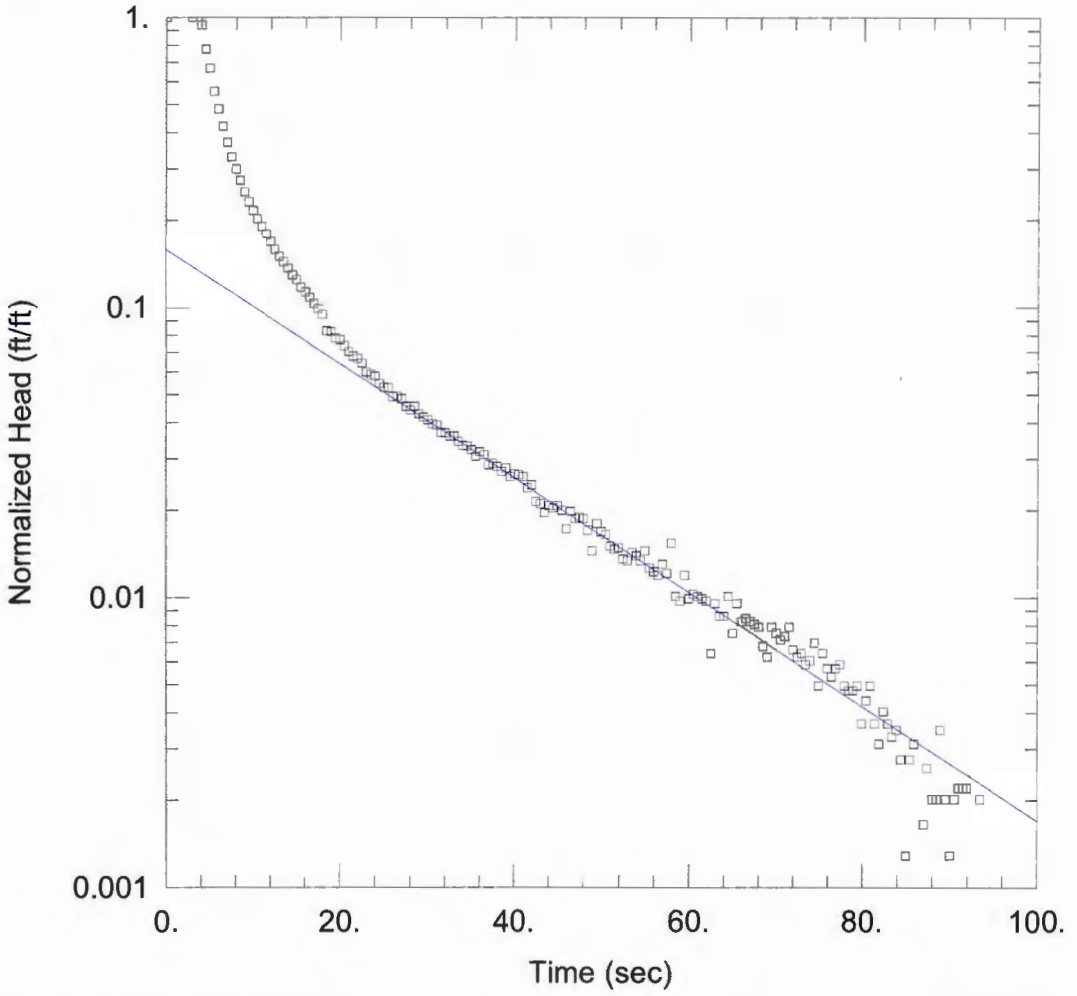
Saturated Thickness: 8.785 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4 T2)

Initial Displacement: 0.841 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.785 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Dagan
K = 6.849E-5 ft/sec
y0 = 0.7521 ft



WELL TEST ANALYSIS

Data Set: K:\...\MW-7 T1.aqt
Date: 05/23/13 Time: 14:49:28

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-7 T1
Test Date: 4/25/13

AQUIFER DATA

Saturated Thickness: 12.73 ft Anisotropy Ratio (Kz/Kr): 1.

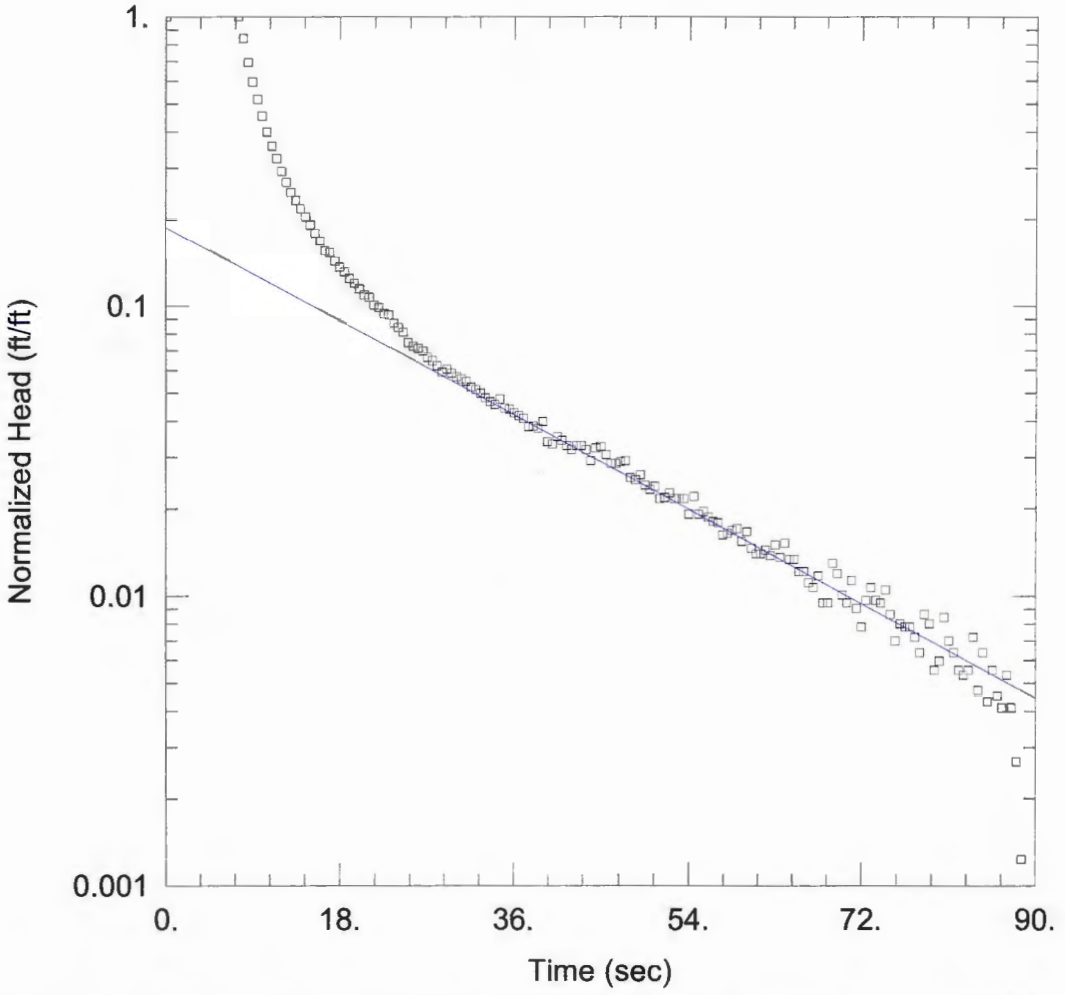
WELL DATA (MW-7 T1)

Initial Displacement: 0.5446 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.083 ft
Static Water Column Height: 12.73 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 4.972E-5 ft/sec y0 = 0.08628 ft



WELL TEST ANALYSIS

Data Set: K:\...\MW-7 T2.aqt
Date: 05/23/13 Time: 14:48:45

PROJECT INFORMATION

Company: EnviroForensics
Client: OHM Elm Grove
Project: 6142
Location: Elm Grove
Test Well: MW-7 T2
Test Date: 4/25/13

AQUIFER DATA

Saturated Thickness: 12.76 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-7 T2)

Initial Displacement: 0.4861 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.083 ft
Static Water Column Height: 12.76 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 4.566E-5 ft/sec y0 = 0.09175 ft

ATTACHMENT 4

SOIL AND GRAB GROUNDWATER ANALYTICAL REPORT

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April 26, 2013

Wayne Fassbender
Enviroforensics
N16 W23390 Stone Ridge Drive
Suite G
Waukesha, WI 53188

RE: Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Dear Wayne Fassbender:
Enclosed are the analytical results for sample(s) received by the laboratory on April 12, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

B-21 soil was added to the project by the client, and is reported on a wet weight basis.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4076262001	6142-PZ-1 (4'-6')	Solid	04/08/13 08:45	04/12/13 09:05
4076262002	6142-PZ-1 (15'-16')	Solid	04/08/13 09:05	04/12/13 09:05
4076262003	6142-B-21 (4'-6')	Solid	04/08/13 14:00	04/12/13 09:05
4076262004	6142-B-21 (9'-11')	Solid	04/08/13 14:20	04/12/13 09:05
4076262005	6142-B-20 (3'-4')	Solid	04/08/13 16:10	04/12/13 09:05
4076262006	6142-B-20 (8'-10')	Solid	04/08/13 16:20	04/12/13 09:05
4076262007	6142-B-20 (14'-16')	Solid	04/08/13 16:30	04/12/13 09:05
4076262008	6142-B-24 (4'-6')	Solid	04/09/13 09:40	04/12/13 09:05
4076262009	6142-B-24 (14'-15')	Solid	04/09/13 09:50	04/12/13 09:05
4076262010	6142-B-23 (2'-3')	Solid	04/09/13 11:30	04/12/13 09:05
4076262011	6142-B-26 (6'-8')	Solid	04/09/13 11:45	04/12/13 09:05
4076262012	6142-B-26 (14'-15')	Solid	04/09/13 12:00	04/12/13 09:05
4076262013	6142-B-25 (4'-6')	Solid	04/09/13 12:45	04/12/13 09:05
4076262014	6142-B-25 (14'-15')	Solid	04/09/13 12:55	04/12/13 09:05
4076262015	6142-B-19 (4'-6')	Solid	04/09/13 13:20	04/12/13 09:05
4076262016	6142-B-19 (14'-15')	Solid	04/09/13 13:25	04/12/13 09:05
4076262017	6142-B-22 (4'-6')	Solid	04/10/13 09:35	04/12/13 09:05
4076262018	6142-B-22 (12'-14')	Solid	04/10/13 09:45	04/12/13 09:05
4076262019	6142-B-20 (17W)	Water	04/08/13 16:35	04/12/13 09:05
4076262020	6142-B-26 (17W)	Water	04/09/13 12:05	04/12/13 09:05
4076262021	6142-W-DUP	Water	04/09/13 12:05	04/12/13 09:05
4076262023	6142-B-21 (15-16)	Solid	04/08/13 00:00	04/12/13 09:05

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SAMPLE ANALYTE COUNT

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4076262001	6142-PZ-1 (4'-6')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262002	6142-PZ-1 (15'-16')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262003	6142-B-21 (4'-6')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262004	6142-B-21 (9'-11')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262005	6142-B-20 (3'-4')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262006	6142-B-20 (8'-10')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262007	6142-B-20 (14'-16')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262008	6142-B-24 (4'-6')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262009	6142-B-24 (14'-15')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262010	6142-B-23 (2'-3')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262011	6142-B-26 (6'-8')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262012	6142-B-26 (14'-15')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262013	6142-B-25 (4'-6')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262014	6142-B-25 (14'-15')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262015	6142-B-19 (4'-6')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262016	6142-B-19 (14'-15')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262017	6142-B-22 (4'-6')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262018	6142-B-22 (12'-14')	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KMF	1	PASI-G
4076262019	6142-B-20 (17W)	EPA 8260	LAP	64	PASI-G

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SAMPLE ANALYTE COUNT

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4076262020	6142-B-26 (17W)	EPA 8260	LAP	64	PASI-G
4076262021	6142-W-DUP	EPA 8260	LAP	64	PASI-G
4076262023	6142-B-21 (15-16)	EPA 8260	SMT	64	PASI-G

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HITS ONLY

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
4076262001	**6142-PZ-1 (4'-6')**					
EPA 8260	1,2,4-Trimethylbenzene	137	ug/kg	74.0	04/18/13 09:07	
EPA 8260	1,3,5-Trimethylbenzene	41.9J	ug/kg	74.0	04/18/13 09:07	
EPA 8260	Ethylbenzene	52.8J	ug/kg	74.0	04/18/13 09:07	R1
EPA 8260	Isopropylbenzene (Cumene)	31.1J	ug/kg	74.0	04/18/13 09:07	R1
EPA 8260	Naphthalene	210	ug/kg	74.0	04/18/13 09:07	
EPA 8260	Toluene	131	ug/kg	74.0	04/18/13 09:07	R1
EPA 8260	m&p-Xylene	173	ug/kg	148	04/18/13 09:07	R1
EPA 8260	n-Propylbenzene	39.5J	ug/kg	74.0	04/18/13 09:07	
EPA 8260	o-Xylene	121	ug/kg	74.0	04/18/13 09:07	R1
ASTM D2974-87	Percent Moisture	16.4	%	0.10	04/25/13 13:18	
4076262002	**6142-PZ-1 (15'-16')**					
ASTM D2974-87	Percent Moisture	17.1	%	0.10	04/25/13 13:18	
4076262003	**6142-B-21 (4'-6')**					
EPA 8260	Tetrachloroethene	3570	ug/kg	65.8	04/17/13 14:57	
EPA 8260	Trichloroethene	282	ug/kg	65.8	04/17/13 14:57	
ASTM D2974-87	Percent Moisture	8.8	%	0.10	04/25/13 13:18	
4076262004	**6142-B-21 (9'-11')**					
EPA 8260	Tetrachloroethene	477	ug/kg	135	04/17/13 15:20	
EPA 8260	cis-1,2-Dichloroethene	75.4J	ug/kg	135	04/17/13 15:20	
ASTM D2974-87	Percent Moisture	35.5	%	0.10	04/25/13 13:18	
4076262005	**6142-B-20 (3'-4')**					
EPA 8260	Tetrachloroethene	4430	ug/kg	75.4	04/17/13 15:44	
EPA 8260	Trichloroethene	879	ug/kg	75.4	04/17/13 15:44	
EPA 8260	cis-1,2-Dichloroethene	41.6J	ug/kg	75.4	04/17/13 15:44	
ASTM D2974-87	Percent Moisture	9.5	%	0.10	04/25/13 13:18	
4076262006	**6142-B-20 (8'-10')**					
EPA 8260	Tetrachloroethene	653	ug/kg	69.6	04/17/13 16:07	
EPA 8260	Trichloroethene	297	ug/kg	69.6	04/17/13 16:07	
EPA 8260	cis-1,2-Dichloroethene	638	ug/kg	69.6	04/17/13 16:07	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	04/25/13 13:18	
4076262007	**6142-B-20 (14'-16')**					
EPA 8260	Methylene Chloride	798	ug/kg	622	04/18/13 10:19	
EPA 8260	Tetrachloroethene	43700	ug/kg	622	04/18/13 10:19	
ASTM D2974-87	Percent Moisture	4.7	%	0.10	04/25/13 13:18	
4076262008	**6142-B-24 (4'-6')**					
EPA 8260	Naphthalene	66.1J	ug/kg	69.7	04/17/13 16:30	
ASTM D2974-87	Percent Moisture	10.4	%	0.10	04/25/13 13:18	
4076262009	**6142-B-24 (14'-15')**					
EPA 8260	Tetrachloroethene	60000	ug/kg	805	04/17/13 19:34	
EPA 8260	Trichloroethene	1160	ug/kg	805	04/17/13 19:34	
EPA 8260	cis-1,2-Dichloroethene	435J	ug/kg	805	04/17/13 19:34	
ASTM D2974-87	Percent Moisture	6.8	%	0.10	04/25/13 13:18	

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Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
4076262010	**6142-B-23 (2'-3')**					
EPA 8260	1,2,4-Trimethylbenzene	67.1J	ug/kg	121	04/18/13 18:17	
EPA 8260	Methylene Chloride	83.7J	ug/kg	121	04/18/13 18:17	
EPA 8260	Naphthalene	134	ug/kg	121	04/18/13 18:17	
ASTM D2974-87	Percent Moisture	13.2	%	0.10	04/25/13 13:19	
4076262011	**6142-B-26 (6'-8')**					
EPA 8260	1,2,4-Trimethylbenzene	72.2J	ug/kg	107	04/18/13 18:40	
EPA 8260	Methylene Chloride	92.4J	ug/kg	107	04/18/13 18:40	
ASTM D2974-87	Percent Moisture	9.6	%	0.10	04/25/13 13:19	
4076262012	**6142-B-26 (14'-15')**					
EPA 8260	Methylene Chloride	46.3J	ug/kg	111	04/18/13 19:03	
EPA 8260	Tetrachloroethene	1520	ug/kg	111	04/18/13 19:03	
ASTM D2974-87	Percent Moisture	4.8	%	0.10	04/25/13 13:19	
4076262013	**6142-B-25 (4'-6')**					
EPA 8260	Methylene Chloride	91.4J	ug/kg	94.3	04/18/13 19:26	
EPA 8260	Tetrachloroethene	233	ug/kg	94.3	04/18/13 19:26	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	04/25/13 13:19	
4076262014	**6142-B-25 (14'-15')**					
EPA 8260	Methylene Chloride	97.0J	ug/kg	108	04/18/13 19:49	
EPA 8260	Tetrachloroethene	263	ug/kg	108	04/18/13 19:49	
ASTM D2974-87	Percent Moisture	5.9	%	0.10	04/25/13 13:19	
4076262015	**6142-B-19 (4'-6')**					
EPA 8260	Methylene Chloride	86.8J	ug/kg	97.7	04/18/13 20:12	
EPA 8260	Tetrachloroethene	2760	ug/kg	97.7	04/18/13 20:12	
ASTM D2974-87	Percent Moisture	8.3	%	0.10	04/25/13 13:19	
4076262016	**6142-B-19 (14'-15')**					
EPA 8260	Methylene Chloride	106J	ug/kg	119	04/18/13 20:35	
EPA 8260	Tetrachloroethene	1800	ug/kg	119	04/18/13 20:35	
ASTM D2974-87	Percent Moisture	5.2	%	0.10	04/25/13 13:19	
4076262017	**6142-B-22 (4'-6')**					
EPA 8260	Methylene Chloride	89.1J	ug/kg	119	04/18/13 20:58	
EPA 8260	Tetrachloroethene	311	ug/kg	119	04/18/13 20:58	
ASTM D2974-87	Percent Moisture	6.3	%	0.10	04/25/13 13:19	
4076262018	**6142-B-22 (12'-14')**					
EPA 8260	Methylene Chloride	149	ug/kg	115	04/18/13 21:21	
EPA 8260	Tetrachloroethene	4530	ug/kg	115	04/18/13 21:21	
ASTM D2974-87	Percent Moisture	6.6	%	0.10	04/25/13 13:19	
4076262019	**6142-B-20 (17W)**					
EPA 8260	cis-1,2-Dichloroethene	5.1	ug/L	1.0	04/17/13 00:54	
EPA 8260	Tetrachloroethene	0.57J	ug/L	1.0	04/17/13 00:54	
EPA 8260	Trichloroethene	0.68J	ug/L	1.0	04/17/13 00:54	

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Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
4076262023	**6142-B-21 (15-16)**					
EPA 8260	Methylene Chloride	55.3J	ug/kg	60.0	04/18/13 21:44	
EPA 8260	Tetrachloroethene	203	ug/kg	60.0	04/18/13 21:44	
EPA 8260	Trichloroethene	159	ug/kg	60.0	04/18/13 21:44	
EPA 8260	cis-1,2-Dichloroethene	29.0J	ug/kg	60.0	04/18/13 21:44	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-PZ-1 (4'-6') **Lab ID: 4076262001** Collected: 04/08/13 08:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	630-20-6	W
1,1,1-Trichloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	79-34-5	W
1,1,2-Trichloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	79-00-5	W
1,1-Dichloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-34-3	W
1,1-Dichloroethene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-35-4	W
1,1-Dichloropropene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	563-58-6	W
1,2,3-Trichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	87-61-6	W
1,2,3-Trichloropropane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	96-18-4	W
1,2,4-Trichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	120-82-1	W
1,2,4-Trimethylbenzene	**137**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<84.9**	ug/kg	258	84.9	1	04/17/13 10:19	04/18/13 09:07	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	106-93-4	W
1,2-Dichlorobenzene	**<45.8**	ug/kg	61.9	45.8	1	04/17/13 10:19	04/18/13 09:07	95-50-1	W
1,2-Dichloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	107-06-2	W
1,2-Dichloropropane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	78-87-5	W
1,3,5-Trimethylbenzene	**41.9J**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	108-67-8	
1,3-Dichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	541-73-1	W
1,3-Dichloropropane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	142-28-9	W
1,4-Dichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	106-46-7	W
2,2-Dichloropropane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	594-20-7	W
2-Chlorotoluene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	95-49-8	W
4-Chlorotoluene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	106-43-4	W
Benzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	71-43-2	W
Bromobenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	108-86-1	W
Bromochloromethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	74-97-5	W
Bromodichloromethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-27-4	W
Bromoform	**<26.7**	ug/kg	61.9	26.7	1	04/17/13 10:19	04/18/13 09:07	75-25-2	W
Bromomethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	74-83-9	L3,W
Carbon tetrachloride	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	56-23-5	W
Chlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	108-90-7	R1,W
Chloroethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-00-3	W
Chloroform	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	67-66-3	W
Chloromethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	74-87-3	R1,W
Dibromochloromethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	124-48-1	W
Dibromomethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	74-95-3	W
Dichlorodifluoromethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-71-8	W
Diisopropyl ether	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	108-20-3	W
Ethylbenzene	**52.8J**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	100-41-4	R1
Hexachloro-1,3-butadiene	**<27.2**	ug/kg	61.9	27.2	1	04/17/13 10:19	04/18/13 09:07	87-68-3	W
Isopropylbenzene (Cumene)	**31.1J**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	98-82-8	R1
Methyl-tert-butyl ether	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	1634-04-4	L2,W
Methylene Chloride	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-09-2	W
Naphthalene	**210**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	91-20-3	
Styrene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-PZ-1 (4'-6') **Lab ID: 4076262001** Collected: 04/08/13 08:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	127-18-4	W
Toluene	**131**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	108-88-3	R1
Trichloroethene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	79-01-6	W
Trichlorofluoromethane	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-69-4	W
Vinyl chloride	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	75-01-4	W
cis-1,2-Dichloroethene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	156-59-2	W
cis-1,3-Dichloropropene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	10061-01-5	W
m&p-Xylene	**173**	ug/kg	148	61.7	1	04/17/13 10:19	04/18/13 09:07	179601-23-1	R1
n-Butylbenzene	**<41.6**	ug/kg	61.9	41.6	1	04/17/13 10:19	04/18/13 09:07	104-51-8	W
n-Propylbenzene	**39.5J**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	103-65-1	
o-Xylene	**121**	ug/kg	74.0	30.8	1	04/17/13 10:19	04/18/13 09:07	95-47-6	R1
p-Isopropyltoluene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	99-87-6	W
sec-Butylbenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	135-98-8	W
tert-Butylbenzene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	98-06-6	W
trans-1,2-Dichloroethene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	156-60-5	R1,W
trans-1,3-Dichloropropene	**<25.8**	ug/kg	61.9	25.8	1	04/17/13 10:19	04/18/13 09:07	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-130		1	04/17/13 10:19	04/18/13 09:07	1868-53-7	
Toluene-d8 (S)	102	%	54-133		1	04/17/13 10:19	04/18/13 09:07	2037-26-5	
4-Bromofluorobenzene (S)	88	%	49-130		1	04/17/13 10:19	04/18/13 09:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.4**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-PZ-1 (15'-16') **Lab ID: 4076262002** Collected: 04/08/13 09:05 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	630-20-6	W
1,1,1-Trichloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	79-34-5	W
1,1,2-Trichloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	79-00-5	W
1,1-Dichloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-34-3	W
1,1-Dichloroethene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-35-4	W
1,1-Dichloropropene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	563-58-6	W
1,2,3-Trichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	87-61-6	W
1,2,3-Trichloropropane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	96-18-4	W
1,2,4-Trichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	120-82-1	W
1,2,4-Trimethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	95-63-6	W
1,2-Dibromo-3-chloropropane	**<84.0**	ug/kg	255	84.0	1	04/17/13 10:19	04/18/13 09:30	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	106-93-4	W
1,2-Dichlorobenzene	**<45.3**	ug/kg	61.2	45.3	1	04/17/13 10:19	04/18/13 09:30	95-50-1	W
1,2-Dichloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	107-06-2	W
1,2-Dichloropropane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	78-87-5	W
1,3,5-Trimethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	108-67-8	W
1,3-Dichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	541-73-1	W
1,3-Dichloropropane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	142-28-9	W
1,4-Dichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	106-46-7	W
2,2-Dichloropropane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	594-20-7	W
2-Chlorotoluene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	95-49-8	W
4-Chlorotoluene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	106-43-4	W
Benzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	71-43-2	W
Bromobenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	108-86-1	W
Bromochloromethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	74-97-5	W
Bromodichloromethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-27-4	W
Bromoform	**<26.4**	ug/kg	61.2	26.4	1	04/17/13 10:19	04/18/13 09:30	75-25-2	W
Bromomethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	74-83-9	L3,W
Carbon tetrachloride	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	56-23-5	W
Chlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	108-90-7	W
Chloroethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-00-3	W
Chloroform	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	67-66-3	W
Chloromethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	74-87-3	W
Dibromochloromethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	124-48-1	W
Dibromomethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	74-95-3	W
Dichlorodifluoromethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-71-8	W
Diisopropyl ether	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	108-20-3	W
Ethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	100-41-4	W
Hexachloro-1,3-butadiene	**<26.9**	ug/kg	61.2	26.9	1	04/17/13 10:19	04/18/13 09:30	87-68-3	W
Isopropylbenzene (Cumene)	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	98-82-8	W
Methyl-tert-butyl ether	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	1634-04-4	L2,W
Methylene Chloride	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-09-2	W
Naphthalene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	91-20-3	W
Styrene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-PZ-1 (15'-16') **Lab ID: 4076262002** Collected: 04/08/13 09:05 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	127-18-4	W
Toluene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	108-88-3	W
Trichloroethene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	79-01-6	W
Trichlorofluoromethane	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-69-4	W
Vinyl chloride	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	75-01-4	W
cis-1,2-Dichloroethene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	156-59-2	W
cis-1,3-Dichloropropene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	10061-01-5	W
m&p-Xylene	**<51.0**	ug/kg	122	51.0	1	04/17/13 10:19	04/18/13 09:30	179601-23-1	W
n-Butylbenzene	**<41.2**	ug/kg	61.2	41.2	1	04/17/13 10:19	04/18/13 09:30	104-51-8	W
n-Propylbenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	103-65-1	W
o-Xylene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	95-47-6	W
p-Isopropyltoluene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	99-87-6	W
sec-Butylbenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	135-98-8	W
tert-Butylbenzene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	98-06-6	W
trans-1,2-Dichloroethene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	156-60-5	W
trans-1,3-Dichloropropene	**<25.5**	ug/kg	61.2	25.5	1	04/17/13 10:19	04/18/13 09:30	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-130		1	04/17/13 10:19	04/18/13 09:30	1868-53-7	
Toluene-d8 (S)	119	%	54-133		1	04/17/13 10:19	04/18/13 09:30	2037-26-5	
4-Bromofluorobenzene (S)	104	%	49-130		1	04/17/13 10:19	04/18/13 09:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-21 (4'-6') **Lab ID: 4076262003** Collected: 04/08/13 14:00 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	96-18-4	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	95-63-6	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/13 10:19	04/17/13 14:57	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	106-93-4	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/13 10:19	04/17/13 14:57	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/13 10:19	04/17/13 14:57	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	74-83-9	L3,W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/13 10:19	04/17/13 14:57	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	1634-04-4	L2,W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-09-2	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-21 (4'-6') **Lab ID: 4076262003** Collected: 04/08/13 14:00 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**3570**	ug/kg	65.8	27.4	1	04/17/13 10:19	04/17/13 14:57	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	108-88-3	W
Trichloroethene	**282**	ug/kg	65.8	27.4	1	04/17/13 10:19	04/17/13 14:57	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/13 10:19	04/17/13 14:57	179601-23-1	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/13 10:19	04/17/13 14:57	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/13 10:19	04/17/13 14:57	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	83	%	57-130		1	04/17/13 10:19	04/17/13 14:57	1868-53-7	
Toluene-d8 (S)	86	%	54-133		1	04/17/13 10:19	04/17/13 14:57	2037-26-5	
4-Bromofluorobenzene (S)	75	%	49-130		1	04/17/13 10:19	04/17/13 14:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.8**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-21 (9'-11') **Lab ID: 4076262004** Collected: 04/08/13 14:20 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	630-20-6	W
1,1,1-Trichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	71-55-6	W
1,1,2,2-Tetrachloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	79-34-5	W
1,1,2-Trichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	79-00-5	W
1,1-Dichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-34-3	W
1,1-Dichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-35-4	W
1,1-Dichloropropene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	563-58-6	W
1,2,3-Trichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	87-61-6	W
1,2,3-Trichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	96-18-4	W
1,2,4-Trichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	120-82-1	W
1,2,4-Trimethylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	95-63-6	W
1,2-Dibromo-3-chloropropane	**<119**	ug/kg	362	119	1	04/17/13 10:19	04/17/13 15:20	96-12-8	W
1,2-Dibromoethane (EDB)	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	106-93-4	W
1,2-Dichlorobenzene	**<64.3**	ug/kg	87.0	64.3	1	04/17/13 10:19	04/17/13 15:20	95-50-1	W
1,2-Dichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	107-06-2	W
1,2-Dichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	78-87-5	W
1,3,5-Trimethylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	108-67-8	W
1,3-Dichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	541-73-1	W
1,3-Dichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	142-28-9	W
1,4-Dichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	106-46-7	W
2,2-Dichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	594-20-7	W
2-Chlorotoluene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	95-49-8	W
4-Chlorotoluene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	106-43-4	W
Benzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	71-43-2	W
Bromobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	108-86-1	W
Bromochloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	74-97-5	W
Bromodichloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-27-4	W
Bromoform	**<37.5**	ug/kg	87.0	37.5	1	04/17/13 10:19	04/17/13 15:20	75-25-2	W
Bromomethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	74-83-9	L3,W
Carbon tetrachloride	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	56-23-5	W
Chlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	108-90-7	W
Chloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-00-3	W
Chloroform	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	67-66-3	W
Chloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	74-87-3	W
Dibromochloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	124-48-1	W
Dibromomethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	74-95-3	W
Dichlorodifluoromethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-71-8	W
Diisopropyl ether	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	108-20-3	W
Ethylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	100-41-4	W
Hexachloro-1,3-butadiene	**<38.2**	ug/kg	87.0	38.2	1	04/17/13 10:19	04/17/13 15:20	87-68-3	W
Isopropylbenzene (Cumene)	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	98-82-8	W
Methyl-tert-butyl ether	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	1634-04-4	L2,W
Methylene Chloride	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-09-2	W
Naphthalene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	91-20-3	W
Styrene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-21 (9'-11') **Lab ID: 4076262004** Collected: 04/08/13 14:20 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**477**	ug/kg	135	56.2	1	04/17/13 10:19	04/17/13 15:20	127-18-4	
Toluene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	108-88-3	W
Trichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	79-01-6	W
Trichlorofluoromethane	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-69-4	W
Vinyl chloride	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	75-01-4	W
cis-1,2-Dichloroethene	**75.4J**	ug/kg	135	56.2	1	04/17/13 10:19	04/17/13 15:20	156-59-2	
cis-1,3-Dichloropropene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	10061-01-5	W
m&p-Xylene	**<72.5**	ug/kg	174	72.5	1	04/17/13 10:19	04/17/13 15:20	179601-23-1	W
n-Butylbenzene	**<58.5**	ug/kg	87.0	58.5	1	04/17/13 10:19	04/17/13 15:20	104-51-8	W
n-Propylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	103-65-1	W
o-Xylene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	95-47-6	W
p-Isopropyltoluene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	99-87-6	W
sec-Butylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	135-98-8	W
tert-Butylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	98-06-6	W
trans-1,2-Dichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	156-60-5	W
trans-1,3-Dichloropropene	**<36.2**	ug/kg	87.0	36.2	1	04/17/13 10:19	04/17/13 15:20	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	84	%	57-130		1	04/17/13 10:19	04/17/13 15:20	1868-53-7	
Toluene-d8 (S)	87	%	54-133		1	04/17/13 10:19	04/17/13 15:20	2037-26-5	
4-Bromofluorobenzene (S)	77	%	49-130		1	04/17/13 10:19	04/17/13 15:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**35.5**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (3'-4') **Lab ID: 4076262005** Collected: 04/08/13 16:10 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	630-20-6	W
1,1,1-Trichloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	71-55-6	W
1,1,2,2-Tetrachloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	79-34-5	W
1,1,2-Trichloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	79-00-5	W
1,1-Dichloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-34-3	W
1,1-Dichloroethene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-35-4	W
1,1-Dichloropropene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	563-58-6	W
1,2,3-Trichlorobenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	87-61-6	W
1,2,3-Trichloropropane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	96-18-4	W
1,2,4-Trichlorobenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	120-82-1	W
1,2,4-Trimethylbenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	95-63-6	W
1,2-Dibromo-3-chloropropane	**<93.5**	ug/kg	284	93.5	1	04/17/13 10:19	04/17/13 15:44	96-12-8	W
1,2-Dibromoethane (EDB)	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	106-93-4	W
1,2-Dichlorobenzene	**<50.5**	ug/kg	68.2	50.5	1	04/17/13 10:19	04/17/13 15:44	95-50-1	W
1,2-Dichloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	107-06-2	W
1,2-Dichloropropane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	78-87-5	W
1,3,5-Trimethylbenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	108-67-8	W
1,3-Dichlorobenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	541-73-1	W
1,3-Dichloropropane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	142-28-9	W
1,4-Dichlorobenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	106-46-7	W
2,2-Dichloropropane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	594-20-7	W
2-Chlorotoluene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	95-49-8	W
4-Chlorotoluene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	106-43-4	W
Benzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	71-43-2	W
Bromobenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	108-86-1	W
Bromochloromethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	74-97-5	W
Bromodichloromethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-27-4	W
Bromoform	**<29.4**	ug/kg	68.2	29.4	1	04/17/13 10:19	04/17/13 15:44	75-25-2	W
Bromomethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	74-83-9	L3,W
Carbon tetrachloride	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	56-23-5	W
Chlorobenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	108-90-7	W
Chloroethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-00-3	W
Chloroform	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	67-66-3	W
Chloromethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	74-87-3	W
Dibromochloromethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	124-48-1	W
Dibromomethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	74-95-3	W
Dichlorodifluoromethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-71-8	W
Diisopropyl ether	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	108-20-3	W
Ethylbenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	100-41-4	W
Hexachloro-1,3-butadiene	**<30.0**	ug/kg	68.2	30.0	1	04/17/13 10:19	04/17/13 15:44	87-68-3	W
Isopropylbenzene (Cumene)	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	98-82-8	W
Methyl-tert-butyl ether	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	1634-04-4	L2,W
Methylene Chloride	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-09-2	W
Naphthalene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	91-20-3	W
Styrene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (3'-4') **Lab ID: 4076262005** Collected: 04/08/13 16:10 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**4430**	ug/kg	75.4	31.4	1	04/17/13 10:19	04/17/13 15:44	127-18-4	
Toluene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	108-88-3	W
Trichloroethene	**879**	ug/kg	75.4	31.4	1	04/17/13 10:19	04/17/13 15:44	79-01-6	
Trichlorofluoromethane	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-69-4	W
Vinyl chloride	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	75-01-4	W
cis-1,2-Dichloroethene	**41.6J**	ug/kg	75.4	31.4	1	04/17/13 10:19	04/17/13 15:44	156-59-2	
cis-1,3-Dichloropropene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	10061-01-5	W
m&p-Xylene	**<56.8**	ug/kg	136	56.8	1	04/17/13 10:19	04/17/13 15:44	179601-23-1	W
n-Butylbenzene	**<45.9**	ug/kg	68.2	45.9	1	04/17/13 10:19	04/17/13 15:44	104-51-8	W
n-Propylbenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	103-65-1	W
o-Xylene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	95-47-6	W
p-Isopropyltoluene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	99-87-6	W
sec-Butylbenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	135-98-8	W
tert-Butylbenzene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	98-06-6	W
trans-1,2-Dichloroethene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	156-60-5	W
trans-1,3-Dichloropropene	**<28.4**	ug/kg	68.2	28.4	1	04/17/13 10:19	04/17/13 15:44	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-130		1	04/17/13 10:19	04/17/13 15:44	1868-53-7	
Toluene-d8 (S)	100	%	54-133		1	04/17/13 10:19	04/17/13 15:44	2037-26-5	
4-Bromofluorobenzene (S)	88	%	49-130		1	04/17/13 10:19	04/17/13 15:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.5**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (8'-10') **Lab ID: 4076262006** Collected: 04/08/13 16:20 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	630-20-6	W
1,1,1-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	71-55-6	W
1,1,2,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	79-34-5	W
1,1,2-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	79-00-5	W
1,1-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-34-3	W
1,1-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-35-4	W
1,1-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	563-58-6	W
1,2,3-Trichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	87-61-6	W
1,2,3-Trichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	96-18-4	W
1,2,4-Trichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	120-82-1	W
1,2,4-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	95-63-6	W
1,2-Dibromo-3-chloropropane	**<85.7**	ug/kg	260	85.7	1	04/17/13 10:19	04/17/13 16:07	96-12-8	W
1,2-Dibromoethane (EDB)	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	106-93-4	W
1,2-Dichlorobenzene	**<46.2**	ug/kg	62.5	46.2	1	04/17/13 10:19	04/17/13 16:07	95-50-1	W
1,2-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	107-06-2	W
1,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	78-87-5	W
1,3,5-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	108-67-8	W
1,3-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	541-73-1	W
1,3-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	142-28-9	W
1,4-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	106-46-7	W
2,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	594-20-7	W
2-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	95-49-8	W
4-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	106-43-4	W
Benzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	71-43-2	W
Bromobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	108-86-1	W
Bromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	74-97-5	W
Bromodichloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-27-4	W
Bromoform	**<27.0**	ug/kg	62.5	27.0	1	04/17/13 10:19	04/17/13 16:07	75-25-2	W
Bromomethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	74-83-9	L3,W
Carbon tetrachloride	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	56-23-5	W
Chlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	108-90-7	W
Chloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-00-3	W
Chloroform	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	67-66-3	W
Chloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	74-87-3	W
Dibromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	124-48-1	W
Dibromomethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	74-95-3	W
Dichlorodifluoromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-71-8	W
Diisopropyl ether	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	108-20-3	W
Ethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	100-41-4	W
Hexachloro-1,3-butadiene	**<27.5**	ug/kg	62.5	27.5	1	04/17/13 10:19	04/17/13 16:07	87-68-3	W
Isopropylbenzene (Cumene)	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	98-82-8	W
Methyl-tert-butyl ether	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	1634-04-4	L2,W
Methylene Chloride	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-09-2	W
Naphthalene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	91-20-3	W
Styrene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (8'-10') **Lab ID: 4076262006** Collected: 04/08/13 16:20 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**653**	ug/kg	69.6	29.0	1	04/17/13 10:19	04/17/13 16:07	127-18-4	
Toluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	108-88-3	W
Trichloroethene	**297**	ug/kg	69.6	29.0	1	04/17/13 10:19	04/17/13 16:07	79-01-6	
Trichlorofluoromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-69-4	W
Vinyl chloride	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	75-01-4	W
cis-1,2-Dichloroethene	**638**	ug/kg	69.6	29.0	1	04/17/13 10:19	04/17/13 16:07	156-59-2	
cis-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	10061-01-5	W
m&p-Xylene	**<52.1**	ug/kg	125	52.1	1	04/17/13 10:19	04/17/13 16:07	179601-23-1	W
n-Butylbenzene	**<42.1**	ug/kg	62.5	42.1	1	04/17/13 10:19	04/17/13 16:07	104-51-8	W
n-Propylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	103-65-1	W
o-Xylene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	95-47-6	W
p-Isopropyltoluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	99-87-6	W
sec-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	135-98-8	W
tert-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	98-06-6	W
trans-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	156-60-5	W
trans-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:07	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	57-130		1	04/17/13 10:19	04/17/13 16:07	1868-53-7	
Toluene-d8 (S)	92	%	54-133		1	04/17/13 10:19	04/17/13 16:07	2037-26-5	
4-Bromofluorobenzene (S)	83	%	49-130		1	04/17/13 10:19	04/17/13 16:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.2**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (14'-16') **Lab ID: 4076262007** Collected: 04/08/13 16:30 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	630-20-6	W
1,1,1-Trichloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	71-55-6	W
1,1,2,2-Tetrachloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	79-34-5	W
1,1,2-Trichloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	79-00-5	W
1,1-Dichloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-34-3	W
1,1-Dichloroethene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-35-4	W
1,1-Dichloropropene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	563-58-6	W
1,2,3-Trichlorobenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	87-61-6	W
1,2,3-Trichloropropane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	96-18-4	W
1,2,4-Trichlorobenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	120-82-1	W
1,2,4-Trimethylbenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	95-63-6	W
1,2-Dibromo-3-chloropropane	**<813**	ug/kg	2470	813	8	04/17/13 10:19	04/18/13 10:19	96-12-8	W
1,2-Dibromoethane (EDB)	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	106-93-4	W
1,2-Dichlorobenzene	**<438**	ug/kg	593	438	8	04/17/13 10:19	04/18/13 10:19	95-50-1	W
1,2-Dichloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	107-06-2	W
1,2-Dichloropropane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	78-87-5	W
1,3,5-Trimethylbenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	108-67-8	W
1,3-Dichlorobenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	541-73-1	W
1,3-Dichloropropane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	142-28-9	W
1,4-Dichlorobenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	106-46-7	W
2,2-Dichloropropane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	594-20-7	W
2-Chlorotoluene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	95-49-8	W
4-Chlorotoluene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	106-43-4	W
Benzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	71-43-2	W
Bromobenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	108-86-1	W
Bromochloromethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	74-97-5	W
Bromodichloromethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-27-4	W
Bromoform	**<256**	ug/kg	593	256	8	04/17/13 10:19	04/18/13 10:19	75-25-2	W
Bromomethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	74-83-9	L3,W
Carbon tetrachloride	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	56-23-5	W
Chlorobenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	108-90-7	W
Chloroethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-00-3	W
Chloroform	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	67-66-3	W
Chloromethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	74-87-3	W
Dibromochloromethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	124-48-1	W
Dibromomethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	74-95-3	W
Dichlorodifluoromethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-71-8	W
Diisopropyl ether	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	108-20-3	W
Ethylbenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	100-41-4	W
Hexachloro-1,3-butadiene	**<261**	ug/kg	593	261	8	04/17/13 10:19	04/18/13 10:19	87-68-3	W
Isopropylbenzene (Cumene)	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	98-82-8	W
Methyl-tert-butyl ether	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	1634-04-4	L2,W
Methylene Chloride	**798**	ug/kg	622	259	8	04/17/13 10:19	04/18/13 10:19	75-09-2	
Naphthalene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	91-20-3	W
Styrene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (14'-16') **Lab ID: 4076262007** Collected: 04/08/13 16:30 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**43700**	ug/kg	622	259	8	04/17/13 10:19	04/18/13 10:19	127-18-4	
Toluene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	108-88-3	W
Trichloroethene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	79-01-6	W
Trichlorofluoromethane	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-69-4	W
Vinyl chloride	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	75-01-4	W
cis-1,2-Dichloroethene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	156-59-2	W
cis-1,3-Dichloropropene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	10061-01-5	W
m&p-Xylene	**<494**	ug/kg	1190	494	8	04/17/13 10:19	04/18/13 10:19	179601-23-1	W
n-Butylbenzene	**<399**	ug/kg	593	399	8	04/17/13 10:19	04/18/13 10:19	104-51-8	W
n-Propylbenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	103-65-1	W
o-Xylene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	95-47-6	W
p-Isopropyltoluene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	99-87-6	W
sec-Butylbenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	135-98-8	W
tert-Butylbenzene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	98-06-6	W
trans-1,2-Dichloroethene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	156-60-5	W
trans-1,3-Dichloropropene	**<247**	ug/kg	593	247	8	04/17/13 10:19	04/18/13 10:19	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	85	%	57-130		8	04/17/13 10:19	04/18/13 10:19	1868-53-7	
Toluene-d8 (S)	92	%	54-133		8	04/17/13 10:19	04/18/13 10:19	2037-26-5	
4-Bromofluorobenzene (S)	75	%	49-130		8	04/17/13 10:19	04/18/13 10:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.7**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-24 (4'-6') **Lab ID: 4076262008** Collected: 04/09/13 09:40 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	630-20-6	W
1,1,1-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	71-55-6	W
1,1,2,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	79-34-5	W
1,1,2-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	79-00-5	W
1,1-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-34-3	W
1,1-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-35-4	W
1,1-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	563-58-6	W
1,2,3-Trichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	87-61-6	W
1,2,3-Trichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	96-18-4	W
1,2,4-Trichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	120-82-1	W
1,2,4-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	95-63-6	W
1,2-Dibromo-3-chloropropane	**<85.7**	ug/kg	260	85.7	1	04/17/13 10:19	04/17/13 16:30	96-12-8	W
1,2-Dibromoethane (EDB)	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	106-93-4	W
1,2-Dichlorobenzene	**<46.2**	ug/kg	62.5	46.2	1	04/17/13 10:19	04/17/13 16:30	95-50-1	W
1,2-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	107-06-2	W
1,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	78-87-5	W
1,3,5-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	108-67-8	W
1,3-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	541-73-1	W
1,3-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	142-28-9	W
1,4-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	106-46-7	W
2,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	594-20-7	W
2-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	95-49-8	W
4-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	106-43-4	W
Benzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	71-43-2	W
Bromobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	108-86-1	W
Bromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	74-97-5	W
Bromodichloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-27-4	W
Bromoform	**<27.0**	ug/kg	62.5	27.0	1	04/17/13 10:19	04/17/13 16:30	75-25-2	W
Bromomethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	74-83-9	L3,W
Carbon tetrachloride	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	56-23-5	W
Chlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	108-90-7	W
Chloroethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-00-3	W
Chloroform	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	67-66-3	W
Chloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	74-87-3	W
Dibromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	124-48-1	W
Dibromomethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	74-95-3	W
Dichlorodifluoromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-71-8	W
Diisopropyl ether	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	108-20-3	W
Ethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	100-41-4	W
Hexachloro-1,3-butadiene	**<27.5**	ug/kg	62.5	27.5	1	04/17/13 10:19	04/17/13 16:30	87-68-3	W
Isopropylbenzene (Cumene)	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	98-82-8	W
Methyl-tert-butyl ether	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	1634-04-4	L2,W
Methylene Chloride	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-09-2	W
Naphthalene	**66.1J**	ug/kg	69.7	29.1	1	04/17/13 10:19	04/17/13 16:30	91-20-3	
Styrene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-24 (4'-6') **Lab ID: 4076262008** Collected: 04/09/13 09:40 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	127-18-4	W
Toluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	108-88-3	W
Trichloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	79-01-6	W
Trichlorofluoromethane	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-69-4	W
Vinyl chloride	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	75-01-4	W
cis-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	156-59-2	W
cis-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	10061-01-5	W
m&p-Xylene	**<52.1**	ug/kg	125	52.1	1	04/17/13 10:19	04/17/13 16:30	179601-23-1	W
n-Butylbenzene	**<42.1**	ug/kg	62.5	42.1	1	04/17/13 10:19	04/17/13 16:30	104-51-8	W
n-Propylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	103-65-1	W
o-Xylene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	95-47-6	W
p-Isopropyltoluene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	99-87-6	W
sec-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	135-98-8	W
tert-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	98-06-6	W
trans-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	156-60-5	W
trans-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	04/17/13 10:19	04/17/13 16:30	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-130		1	04/17/13 10:19	04/17/13 16:30	1868-53-7	
Toluene-d8 (S)	101	%	54-133		1	04/17/13 10:19	04/17/13 16:30	2037-26-5	
4-Bromofluorobenzene (S)	88	%	49-130		1	04/17/13 10:19	04/17/13 16:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.4**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-24 (14'-15') **Lab ID: 4076262009** Collected: 04/09/13 09:50 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	630-20-6	W
1,1,1-Trichloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	71-55-6	W
1,1,2,2-Tetrachloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	79-34-5	W
1,1,2-Trichloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	79-00-5	W
1,1-Dichloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-34-3	W
1,1-Dichloroethene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-35-4	W
1,1-Dichloropropene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	563-58-6	W
1,2,3-Trichlorobenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	87-61-6	W
1,2,3-Trichloropropane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	96-18-4	W
1,2,4-Trichlorobenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	120-82-1	W
1,2,4-Trimethylbenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	95-63-6	W
1,2-Dibromo-3-chloropropane	**<1030**	ug/kg	3120	1030	12.5	04/17/13 10:19	04/17/13 19:34	96-12-8	W
1,2-Dibromoethane (EDB)	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	106-93-4	W
1,2-Dichlorobenzene	**<555**	ug/kg	750	555	12.5	04/17/13 10:19	04/17/13 19:34	95-50-1	W
1,2-Dichloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	107-06-2	W
1,2-Dichloropropane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	78-87-5	W
1,3,5-Trimethylbenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	108-67-8	W
1,3-Dichlorobenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	541-73-1	W
1,3-Dichloropropane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	142-28-9	W
1,4-Dichlorobenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	106-46-7	W
2,2-Dichloropropane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	594-20-7	W
2-Chlorotoluene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	95-49-8	W
4-Chlorotoluene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	106-43-4	W
Benzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	71-43-2	W
Bromobenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	108-86-1	W
Bromochloromethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	74-97-5	W
Bromodichloromethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-27-4	W
Bromoform	**<324**	ug/kg	750	324	12.5	04/17/13 10:19	04/17/13 19:34	75-25-2	W
Bromomethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	74-83-9	L3,W
Carbon tetrachloride	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	56-23-5	W
Chlorobenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	108-90-7	W
Chloroethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-00-3	W
Chloroform	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	67-66-3	W
Chloromethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	74-87-3	W
Dibromochloromethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	124-48-1	W
Dibromomethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	74-95-3	W
Dichlorodifluoromethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-71-8	W
Diisopropyl ether	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	108-20-3	W
Ethylbenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	100-41-4	W
Hexachloro-1,3-butadiene	**<330**	ug/kg	750	330	12.5	04/17/13 10:19	04/17/13 19:34	87-68-3	W
Isopropylbenzene (Cumene)	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	98-82-8	W
Methyl-tert-butyl ether	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	1634-04-4	L2,W
Methylene Chloride	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-09-2	W
Naphthalene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	91-20-3	W
Styrene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-24 (14'-15') **Lab ID: 4076262009** Collected: 04/09/13 09:50 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**60000**	ug/kg	805	335	12.5	04/17/13 10:19	04/17/13 19:34	127-18-4	
Toluene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	108-88-3	W
Trichloroethene	**1160**	ug/kg	805	335	12.5	04/17/13 10:19	04/17/13 19:34	79-01-6	
Trichlorofluoromethane	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-69-4	W
Vinyl chloride	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	75-01-4	W
cis-1,2-Dichloroethene	**435J**	ug/kg	805	335	12.5	04/17/13 10:19	04/17/13 19:34	156-59-2	
cis-1,3-Dichloropropene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	10061-01-5	W
m&p-Xylene	**<625**	ug/kg	1500	625	12.5	04/17/13 10:19	04/17/13 19:34	179601-23-1	W
n-Butylbenzene	**<505**	ug/kg	750	505	12.5	04/17/13 10:19	04/17/13 19:34	104-51-8	W
n-Propylbenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	103-65-1	W
o-Xylene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	95-47-6	W
p-Isopropyltoluene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	99-87-6	W
sec-Butylbenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	135-98-8	W
tert-Butylbenzene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	98-06-6	W
trans-1,2-Dichloroethene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	156-60-5	W
trans-1,3-Dichloropropene	**<312**	ug/kg	750	312	12.5	04/17/13 10:19	04/17/13 19:34	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-130		12.5	04/17/13 10:19	04/17/13 19:34	1868-53-7	S4
Toluene-d8 (S)	0	%	54-133		12.5	04/17/13 10:19	04/17/13 19:34	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	49-130		12.5	04/17/13 10:19	04/17/13 19:34	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.8**	%	0.10	0.10	1		04/25/13 13:18		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-23 (2'-3') **Lab ID: 4076262010** Collected: 04/09/13 11:30 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	630-20-6	W
1,1,1-Trichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	71-55-6	W
1,1,2,2-Tetrachloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	79-34-5	W
1,1,2-Trichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	79-00-5	W
1,1-Dichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-34-3	W
1,1-Dichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-35-4	W
1,1-Dichloropropene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	563-58-6	W
1,2,3-Trichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	87-61-6	W
1,2,3-Trichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	96-18-4	W
1,2,4-Trichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	120-82-1	W
1,2,4-Trimethylbenzene	**67.1J**	ug/kg	121	50.5	1	04/18/13 09:53	04/18/13 18:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<144**	ug/kg	439	144	1	04/18/13 09:53	04/18/13 18:17	96-12-8	W
1,2-Dibromoethane (EDB)	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	106-93-4	W
1,2-Dichlorobenzene	**<77.9**	ug/kg	105	77.9	1	04/18/13 09:53	04/18/13 18:17	95-50-1	W
1,2-Dichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	107-06-2	W
1,2-Dichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	78-87-5	W
1,3,5-Trimethylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	108-67-8	W
1,3-Dichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	541-73-1	W
1,3-Dichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	142-28-9	W
1,4-Dichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	106-46-7	W
2,2-Dichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	594-20-7	W
2-Chlorotoluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	95-49-8	W
4-Chlorotoluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	106-43-4	W
Benzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	71-43-2	W
Bromobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	108-86-1	W
Bromochloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	74-97-5	W
Bromodichloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-27-4	W
Bromoform	**<45.4**	ug/kg	105	45.4	1	04/18/13 09:53	04/18/13 18:17	75-25-2	W
Bromomethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	74-83-9	W
Carbon tetrachloride	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	56-23-5	W
Chlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	108-90-7	W
Chloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-00-3	W
Chloroform	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	67-66-3	W
Chloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	74-87-3	W
Dibromochloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	124-48-1	W
Dibromomethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	74-95-3	W
Dichlorodifluoromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-71-8	W
Diisopropyl ether	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	108-20-3	W
Ethylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	100-41-4	W
Hexachloro-1,3-butadiene	**<46.3**	ug/kg	105	46.3	1	04/18/13 09:53	04/18/13 18:17	87-68-3	W
Isopropylbenzene (Cumene)	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	98-82-8	W
Methyl-tert-butyl ether	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	1634-04-4	L2,W
Methylene Chloride	**83.7J**	ug/kg	121	50.5	1	04/18/13 09:53	04/18/13 18:17	75-09-2	
Naphthalene	**134**	ug/kg	121	50.5	1	04/18/13 09:53	04/18/13 18:17	91-20-3	
Styrene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-23 (2'-3') **Lab ID: 4076262010** Collected: 04/09/13 11:30 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	127-18-4	W
Toluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	108-88-3	W
Trichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	79-01-6	W
Trichlorofluoromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-69-4	W
Vinyl chloride	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	75-01-4	W
cis-1,2-Dichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	156-59-2	W
cis-1,3-Dichloropropene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	10061-01-5	W
m&p-Xylene	**<87.7**	ug/kg	211	87.7	1	04/18/13 09:53	04/18/13 18:17	179601-23-1	W
n-Butylbenzene	**<70.9**	ug/kg	105	70.9	1	04/18/13 09:53	04/18/13 18:17	104-51-8	W
n-Propylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	103-65-1	W
o-Xylene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	95-47-6	W
p-Isopropyltoluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	99-87-6	W
sec-Butylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	135-98-8	W
tert-Butylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	98-06-6	W
trans-1,2-Dichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	156-60-5	L2,W
trans-1,3-Dichloropropene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 18:17	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-130		1	04/18/13 09:53	04/18/13 18:17	1868-53-7	
Toluene-d8 (S)	99	%	54-133		1	04/18/13 09:53	04/18/13 18:17	2037-26-5	
4-Bromofluorobenzene (S)	83	%	49-130		1	04/18/13 09:53	04/18/13 18:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-26 (6'-8') **Lab ID: 4076262011** Collected: 04/09/13 11:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	630-20-6	W
1,1,1-Trichloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	71-55-6	W
1,1,2,2-Tetrachloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	79-34-5	W
1,1,2-Trichloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	79-00-5	W
1,1-Dichloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-34-3	W
1,1-Dichloroethene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-35-4	W
1,1-Dichloropropene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	563-58-6	W
1,2,3-Trichlorobenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	87-61-6	W
1,2,3-Trichloropropane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	96-18-4	W
1,2,4-Trichlorobenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	120-82-1	W
1,2,4-Trimethylbenzene	**72.2J**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 18:40	95-63-6	
1,2-Dibromo-3-chloropropane	**<133**	ug/kg	403	133	1	04/18/13 09:53	04/18/13 18:40	96-12-8	W
1,2-Dibromoethane (EDB)	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	106-93-4	W
1,2-Dichlorobenzene	**<71.6**	ug/kg	96.8	71.6	1	04/18/13 09:53	04/18/13 18:40	95-50-1	W
1,2-Dichloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	107-06-2	W
1,2-Dichloropropane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	78-87-5	W
1,3,5-Trimethylbenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	108-67-8	W
1,3-Dichlorobenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	541-73-1	W
1,3-Dichloropropane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	142-28-9	W
1,4-Dichlorobenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	106-46-7	W
2,2-Dichloropropane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	594-20-7	W
2-Chlorotoluene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	95-49-8	W
4-Chlorotoluene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	106-43-4	W
Benzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	71-43-2	W
Bromobenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	108-86-1	W
Bromochloromethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	74-97-5	W
Bromodichloromethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-27-4	W
Bromoform	**<41.8**	ug/kg	96.8	41.8	1	04/18/13 09:53	04/18/13 18:40	75-25-2	W
Bromomethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	74-83-9	W
Carbon tetrachloride	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	56-23-5	W
Chlorobenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	108-90-7	W
Chloroethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-00-3	W
Chloroform	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	67-66-3	W
Chloromethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	74-87-3	W
Dibromochloromethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	124-48-1	W
Dibromomethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	74-95-3	W
Dichlorodifluoromethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-71-8	W
Diisopropyl ether	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	108-20-3	W
Ethylbenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	100-41-4	W
Hexachloro-1,3-butadiene	**<42.6**	ug/kg	96.8	42.6	1	04/18/13 09:53	04/18/13 18:40	87-68-3	W
Isopropylbenzene (Cumene)	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	98-82-8	W
Methyl-tert-butyl ether	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	1634-04-4	L2,W
Methylene Chloride	**92.4J**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 18:40	75-09-2	
Naphthalene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	91-20-3	W
Styrene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-26 (6'-8') **Lab ID: 4076262011** Collected: 04/09/13 11:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	127-18-4	W
Toluene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	108-88-3	W
Trichloroethene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	79-01-6	W
Trichlorofluoromethane	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-69-4	W
Vinyl chloride	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	75-01-4	W
cis-1,2-Dichloroethene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	156-59-2	W
cis-1,3-Dichloropropene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	10061-01-5	W
m&p-Xylene	**<80.6**	ug/kg	194	80.6	1	04/18/13 09:53	04/18/13 18:40	179601-23-1	W
n-Butylbenzene	**<65.1**	ug/kg	96.8	65.1	1	04/18/13 09:53	04/18/13 18:40	104-51-8	W
n-Propylbenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	103-65-1	W
o-Xylene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	95-47-6	W
p-Isopropyltoluene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	99-87-6	W
sec-Butylbenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	135-98-8	W
tert-Butylbenzene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	98-06-6	W
trans-1,2-Dichloroethene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	156-60-5	L2,W
trans-1,3-Dichloropropene	**<40.3**	ug/kg	96.8	40.3	1	04/18/13 09:53	04/18/13 18:40	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-130		1	04/18/13 09:53	04/18/13 18:40	1868-53-7	
Toluene-d8 (S)	91	%	54-133		1	04/18/13 09:53	04/18/13 18:40	2037-26-5	
4-Bromofluorobenzene (S)	77	%	49-130		1	04/18/13 09:53	04/18/13 18:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.6**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-26 (14'-15') **Lab ID: 4076262012** Collected: 04/09/13 12:00 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	630-20-6	W
1,1,1-Trichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	71-55-6	W
1,1,2,2-Tetrachloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	79-34-5	W
1,1,2-Trichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	79-00-5	W
1,1-Dichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-34-3	W
1,1-Dichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-35-4	W
1,1-Dichloropropene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	563-58-6	W
1,2,3-Trichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	87-61-6	W
1,2,3-Trichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	96-18-4	W
1,2,4-Trichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	120-82-1	W
1,2,4-Trimethylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	95-63-6	W
1,2-Dibromo-3-chloropropane	**<144**	ug/kg	439	144	1	04/18/13 09:53	04/18/13 19:03	96-12-8	W
1,2-Dibromoethane (EDB)	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	106-93-4	W
1,2-Dichlorobenzene	**<77.9**	ug/kg	105	77.9	1	04/18/13 09:53	04/18/13 19:03	95-50-1	W
1,2-Dichloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	107-06-2	W
1,2-Dichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	78-87-5	W
1,3,5-Trimethylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	108-67-8	W
1,3-Dichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	541-73-1	W
1,3-Dichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	142-28-9	W
1,4-Dichlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	106-46-7	W
2,2-Dichloropropane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	594-20-7	W
2-Chlorotoluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	95-49-8	W
4-Chlorotoluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	106-43-4	W
Benzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	71-43-2	W
Bromobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	108-86-1	W
Bromochloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	74-97-5	W
Bromodichloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-27-4	W
Bromoform	**<45.4**	ug/kg	105	45.4	1	04/18/13 09:53	04/18/13 19:03	75-25-2	W
Bromomethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	74-83-9	W
Carbon tetrachloride	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	56-23-5	W
Chlorobenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	108-90-7	W
Chloroethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-00-3	W
Chloroform	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	67-66-3	W
Chloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	74-87-3	W
Dibromochloromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	124-48-1	W
Dibromomethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	74-95-3	W
Dichlorodifluoromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-71-8	W
Diisopropyl ether	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	108-20-3	W
Ethylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	100-41-4	W
Hexachloro-1,3-butadiene	**<46.3**	ug/kg	105	46.3	1	04/18/13 09:53	04/18/13 19:03	87-68-3	W
Isopropylbenzene (Cumene)	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	98-82-8	W
Methyl-tert-butyl ether	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	1634-04-4	L2,W
Methylene Chloride	**46.3J**	ug/kg	111	46.1	1	04/18/13 09:53	04/18/13 19:03	75-09-2	
Naphthalene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	91-20-3	W
Styrene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-26 (14'-15') **Lab ID: 4076262012** Collected: 04/09/13 12:00 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**1520**	ug/kg	111	46.1	1	04/18/13 09:53	04/18/13 19:03	127-18-4	
Toluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	108-88-3	W
Trichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	79-01-6	W
Trichlorofluoromethane	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-69-4	W
Vinyl chloride	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	75-01-4	W
cis-1,2-Dichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	156-59-2	W
cis-1,3-Dichloropropene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	10061-01-5	W
m&p-Xylene	**<87.7**	ug/kg	211	87.7	1	04/18/13 09:53	04/18/13 19:03	179601-23-1	W
n-Butylbenzene	**<70.9**	ug/kg	105	70.9	1	04/18/13 09:53	04/18/13 19:03	104-51-8	W
n-Propylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	103-65-1	W
o-Xylene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	95-47-6	W
p-Isopropyltoluene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	99-87-6	W
sec-Butylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	135-98-8	W
tert-Butylbenzene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	98-06-6	W
trans-1,2-Dichloroethene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	156-60-5	L2,W
trans-1,3-Dichloropropene	**<43.9**	ug/kg	105	43.9	1	04/18/13 09:53	04/18/13 19:03	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-130		1	04/18/13 09:53	04/18/13 19:03	1868-53-7	
Toluene-d8 (S)	104	%	54-133		1	04/18/13 09:53	04/18/13 19:03	2037-26-5	
4-Bromofluorobenzene (S)	87	%	49-130		1	04/18/13 09:53	04/18/13 19:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.8**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-25 (4'-6') **Lab ID: 4076262013** Collected: 04/09/13 12:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	630-20-6	W
1,1,1-Trichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	71-55-6	W
1,1,2,2-Tetrachloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	79-34-5	W
1,1,2-Trichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	79-00-5	W
1,1-Dichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-34-3	W
1,1-Dichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-35-4	W
1,1-Dichloropropene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	563-58-6	W
1,2,3-Trichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	87-61-6	W
1,2,3-Trichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	96-18-4	W
1,2,4-Trichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	120-82-1	W
1,2,4-Trimethylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	95-63-6	W
1,2-Dibromo-3-chloropropane	**<119**	ug/kg	362	119	1	04/18/13 09:53	04/18/13 19:26	96-12-8	W
1,2-Dibromoethane (EDB)	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	106-93-4	W
1,2-Dichlorobenzene	**<64.3**	ug/kg	87.0	64.3	1	04/18/13 09:53	04/18/13 19:26	95-50-1	W
1,2-Dichloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	107-06-2	W
1,2-Dichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	78-87-5	W
1,3,5-Trimethylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	108-67-8	W
1,3-Dichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	541-73-1	W
1,3-Dichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	142-28-9	W
1,4-Dichlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	106-46-7	W
2,2-Dichloropropane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	594-20-7	W
2-Chlorotoluene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	95-49-8	W
4-Chlorotoluene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	106-43-4	W
Benzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	71-43-2	W
Bromobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	108-86-1	W
Bromochloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	74-97-5	W
Bromodichloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-27-4	W
Bromoform	**<37.5**	ug/kg	87.0	37.5	1	04/18/13 09:53	04/18/13 19:26	75-25-2	W
Bromomethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	74-83-9	W
Carbon tetrachloride	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	56-23-5	W
Chlorobenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	108-90-7	W
Chloroethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-00-3	W
Chloroform	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	67-66-3	W
Chloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	74-87-3	W
Dibromochloromethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	124-48-1	W
Dibromomethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	74-95-3	W
Dichlorodifluoromethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-71-8	W
Diisopropyl ether	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	108-20-3	W
Ethylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	100-41-4	W
Hexachloro-1,3-butadiene	**<38.2**	ug/kg	87.0	38.2	1	04/18/13 09:53	04/18/13 19:26	87-68-3	W
Isopropylbenzene (Cumene)	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	98-82-8	W
Methyl-tert-butyl ether	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	1634-04-4	L2,W
Methylene Chloride	**91.4J**	ug/kg	94.3	39.3	1	04/18/13 09:53	04/18/13 19:26	75-09-2	
Naphthalene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	91-20-3	W
Styrene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-25 (4'-6') **Lab ID: 4076262013** Collected: 04/09/13 12:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**233**	ug/kg	94.3	39.3	1	04/18/13 09:53	04/18/13 19:26	127-18-4	
Toluene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	108-88-3	W
Trichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	79-01-6	W
Trichlorofluoromethane	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-69-4	W
Vinyl chloride	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	75-01-4	W
cis-1,2-Dichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	156-59-2	W
cis-1,3-Dichloropropene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	10061-01-5	W
m&p-Xylene	**<72.5**	ug/kg	174	72.5	1	04/18/13 09:53	04/18/13 19:26	179601-23-1	W
n-Butylbenzene	**<58.5**	ug/kg	87.0	58.5	1	04/18/13 09:53	04/18/13 19:26	104-51-8	W
n-Propylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	103-65-1	W
o-Xylene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	95-47-6	W
p-Isopropyltoluene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	99-87-6	W
sec-Butylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	135-98-8	W
tert-Butylbenzene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	98-06-6	W
trans-1,2-Dichloroethene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	156-60-5	L2,W
trans-1,3-Dichloropropene	**<36.2**	ug/kg	87.0	36.2	1	04/18/13 09:53	04/18/13 19:26	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	89	%	57-130		1	04/18/13 09:53	04/18/13 19:26	1868-53-7	
Toluene-d8 (S)	91	%	54-133		1	04/18/13 09:53	04/18/13 19:26	2037-26-5	
4-Bromofluorobenzene (S)	77	%	49-130		1	04/18/13 09:53	04/18/13 19:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-25 (14'-15') **Lab ID: 4076262014** Collected: 04/09/13 12:55 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	630-20-6	W
1,1,1-Trichloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	71-55-6	W
1,1,2,2-Tetrachloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	79-34-5	W
1,1,2-Trichloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	79-00-5	W
1,1-Dichloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-34-3	W
1,1-Dichloroethene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-35-4	W
1,1-Dichloropropene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	563-58-6	W
1,2,3-Trichlorobenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	87-61-6	W
1,2,3-Trichloropropane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	96-18-4	W
1,2,4-Trichlorobenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	120-82-1	W
1,2,4-Trimethylbenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	95-63-6	W
1,2-Dibromo-3-chloropropane	**<140**	ug/kg	424	140	1	04/18/13 09:53	04/18/13 19:49	96-12-8	W
1,2-Dibromoethane (EDB)	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	106-93-4	W
1,2-Dichlorobenzene	**<75.3**	ug/kg	102	75.3	1	04/18/13 09:53	04/18/13 19:49	95-50-1	W
1,2-Dichloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	107-06-2	W
1,2-Dichloropropane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	78-87-5	W
1,3,5-Trimethylbenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	108-67-8	W
1,3-Dichlorobenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	541-73-1	W
1,3-Dichloropropane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	142-28-9	W
1,4-Dichlorobenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	106-46-7	W
2,2-Dichloropropane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	594-20-7	W
2-Chlorotoluene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	95-49-8	W
4-Chlorotoluene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	106-43-4	W
Benzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	71-43-2	W
Bromobenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	108-86-1	W
Bromochloromethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	74-97-5	W
Bromodichloromethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-27-4	W
Bromoform	**<43.9**	ug/kg	102	43.9	1	04/18/13 09:53	04/18/13 19:49	75-25-2	W
Bromomethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	74-83-9	W
Carbon tetrachloride	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	56-23-5	W
Chlorobenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	108-90-7	W
Chloroethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-00-3	W
Chloroform	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	67-66-3	W
Chloromethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	74-87-3	W
Dibromochloromethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	124-48-1	W
Dibromomethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	74-95-3	W
Dichlorodifluoromethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-71-8	W
Diisopropyl ether	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	108-20-3	W
Ethylbenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	100-41-4	W
Hexachloro-1,3-butadiene	**<44.7**	ug/kg	102	44.7	1	04/18/13 09:53	04/18/13 19:49	87-68-3	W
Isopropylbenzene (Cumene)	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	98-82-8	W
Methyl-tert-butyl ether	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	1634-04-4	L2,W
Methylene Chloride	**97.0J**	ug/kg	108	45.0	1	04/18/13 09:53	04/18/13 19:49	75-09-2	
Naphthalene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	91-20-3	W
Styrene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-25 (14'-15') **Lab ID: 4076262014** Collected: 04/09/13 12:55 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**263**	ug/kg	108	45.0	1	04/18/13 09:53	04/18/13 19:49	127-18-4	
Toluene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	108-88-3	W
Trichloroethene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	79-01-6	W
Trichlorofluoromethane	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-69-4	W
Vinyl chloride	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	75-01-4	W
cis-1,2-Dichloroethene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	156-59-2	W
cis-1,3-Dichloropropene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	10061-01-5	W
m&p-Xylene	**<84.7**	ug/kg	203	84.7	1	04/18/13 09:53	04/18/13 19:49	179601-23-1	W
n-Butylbenzene	**<68.5**	ug/kg	102	68.5	1	04/18/13 09:53	04/18/13 19:49	104-51-8	W
n-Propylbenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	103-65-1	W
o-Xylene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	95-47-6	W
p-Isopropyltoluene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	99-87-6	W
sec-Butylbenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	135-98-8	W
tert-Butylbenzene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	98-06-6	W
trans-1,2-Dichloroethene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	156-60-5	L2,W
trans-1,3-Dichloropropene	**<42.4**	ug/kg	102	42.4	1	04/18/13 09:53	04/18/13 19:49	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-130		1	04/18/13 09:53	04/18/13 19:49	1868-53-7	
Toluene-d8 (S)	100	%	54-133		1	04/18/13 09:53	04/18/13 19:49	2037-26-5	
4-Bromofluorobenzene (S)	83	%	49-130		1	04/18/13 09:53	04/18/13 19:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.9**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-19 (4'-6') **Lab ID: 4076262015** Collected: 04/09/13 13:20 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	630-20-6	W
1,1,1-Trichloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	71-55-6	W
1,1,2,2-Tetrachloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	79-34-5	W
1,1,2-Trichloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	79-00-5	W
1,1-Dichloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-34-3	W
1,1-Dichloroethene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-35-4	W
1,1-Dichloropropene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	563-58-6	W
1,2,3-Trichlorobenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	87-61-6	W
1,2,3-Trichloropropane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	96-18-4	W
1,2,4-Trichlorobenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	120-82-1	W
1,2,4-Trimethylbenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	95-63-6	W
1,2-Dibromo-3-chloropropane	**<123**	ug/kg	373	123	1	04/18/13 09:53	04/18/13 20:12	96-12-8	W
1,2-Dibromoethane (EDB)	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	106-93-4	W
1,2-Dichlorobenzene	**<66.3**	ug/kg	89.6	66.3	1	04/18/13 09:53	04/18/13 20:12	95-50-1	W
1,2-Dichloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	107-06-2	W
1,2-Dichloropropane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	78-87-5	W
1,3,5-Trimethylbenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	108-67-8	W
1,3-Dichlorobenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	541-73-1	W
1,3-Dichloropropane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	142-28-9	W
1,4-Dichlorobenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	106-46-7	W
2,2-Dichloropropane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	594-20-7	W
2-Chlorotoluene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	95-49-8	W
4-Chlorotoluene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	106-43-4	W
Benzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	71-43-2	W
Bromobenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	108-86-1	W
Bromochloromethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	74-97-5	W
Bromodichloromethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-27-4	W
Bromoform	**<38.6**	ug/kg	89.6	38.6	1	04/18/13 09:53	04/18/13 20:12	75-25-2	W
Bromomethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	74-83-9	W
Carbon tetrachloride	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	56-23-5	W
Chlorobenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	108-90-7	W
Chloroethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-00-3	W
Chloroform	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	67-66-3	W
Chloromethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	74-87-3	W
Dibromochloromethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	124-48-1	W
Dibromomethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	74-95-3	W
Dichlorodifluoromethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-71-8	W
Diisopropyl ether	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	108-20-3	W
Ethylbenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	100-41-4	W
Hexachloro-1,3-butadiene	**<39.4**	ug/kg	89.6	39.4	1	04/18/13 09:53	04/18/13 20:12	87-68-3	W
Isopropylbenzene (Cumene)	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	98-82-8	W
Methyl-tert-butyl ether	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	1634-04-4	L2,W
Methylene Chloride	**86.8J**	ug/kg	97.7	40.7	1	04/18/13 09:53	04/18/13 20:12	75-09-2	
Naphthalene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	91-20-3	W
Styrene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-19 (4'-6') **Lab ID: 4076262015** Collected: 04/09/13 13:20 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**2760**	ug/kg	97.7	40.7	1	04/18/13 09:53	04/18/13 20:12	127-18-4	
Toluene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	108-88-3	W
Trichloroethene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	79-01-6	W
Trichlorofluoromethane	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-69-4	W
Vinyl chloride	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	75-01-4	W
cis-1,2-Dichloroethene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	156-59-2	W
cis-1,3-Dichloropropene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	10061-01-5	W
m&p-Xylene	**<74.6**	ug/kg	179	74.6	1	04/18/13 09:53	04/18/13 20:12	179601-23-1	W
n-Butylbenzene	**<60.3**	ug/kg	89.6	60.3	1	04/18/13 09:53	04/18/13 20:12	104-51-8	W
n-Propylbenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	103-65-1	W
o-Xylene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	95-47-6	W
p-Isopropyltoluene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	99-87-6	W
sec-Butylbenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	135-98-8	W
tert-Butylbenzene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	98-06-6	W
trans-1,2-Dichloroethene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	156-60-5	L2,W
trans-1,3-Dichloropropene	**<37.3**	ug/kg	89.6	37.3	1	04/18/13 09:53	04/18/13 20:12	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	57-130		1	04/18/13 09:53	04/18/13 20:12	1868-53-7	
Toluene-d8 (S)	99	%	54-133		1	04/18/13 09:53	04/18/13 20:12	2037-26-5	
4-Bromofluorobenzene (S)	83	%	49-130		1	04/18/13 09:53	04/18/13 20:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.3**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-19 (14'-15') **Lab ID: 4076262016** Collected: 04/09/13 13:25 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	630-20-6	W
1,1,1-Trichloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	71-55-6	W
1,1,2,2-Tetrachloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	79-34-5	W
1,1,2-Trichloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	79-00-5	W
1,1-Dichloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-34-3	W
1,1-Dichloroethene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-35-4	W
1,1-Dichloropropene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	563-58-6	W
1,2,3-Trichlorobenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	87-61-6	W
1,2,3-Trichloropropane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	96-18-4	W
1,2,4-Trichlorobenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	120-82-1	W
1,2,4-Trimethylbenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	95-63-6	W
1,2-Dibromo-3-chloropropane	**<155**	ug/kg	472	155	1	04/18/13 09:53	04/18/13 20:35	96-12-8	W
1,2-Dibromoethane (EDB)	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	106-93-4	W
1,2-Dichlorobenzene	**<83.8**	ug/kg	113	83.8	1	04/18/13 09:53	04/18/13 20:35	95-50-1	W
1,2-Dichloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	107-06-2	W
1,2-Dichloropropane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	78-87-5	W
1,3,5-Trimethylbenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	108-67-8	W
1,3-Dichlorobenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	541-73-1	W
1,3-Dichloropropane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	142-28-9	W
1,4-Dichlorobenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	106-46-7	W
2,2-Dichloropropane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	594-20-7	W
2-Chlorotoluene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	95-49-8	W
4-Chlorotoluene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	106-43-4	W
Benzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	71-43-2	W
Bromobenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	108-86-1	W
Bromochloromethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	74-97-5	W
Bromodichloromethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-27-4	W
Bromoform	**<48.8**	ug/kg	113	48.8	1	04/18/13 09:53	04/18/13 20:35	75-25-2	W
Bromomethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	74-83-9	W
Carbon tetrachloride	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	56-23-5	W
Chlorobenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	108-90-7	W
Chloroethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-00-3	W
Chloroform	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	67-66-3	W
Chloromethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	74-87-3	W
Dibromochloromethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	124-48-1	W
Dibromomethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	74-95-3	W
Dichlorodifluoromethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-71-8	W
Diisopropyl ether	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	108-20-3	W
Ethylbenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	100-41-4	W
Hexachloro-1,3-butadiene	**<49.8**	ug/kg	113	49.8	1	04/18/13 09:53	04/18/13 20:35	87-68-3	W
Isopropylbenzene (Cumene)	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	98-82-8	W
Methyl-tert-butyl ether	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	1634-04-4	L2,W
Methylene Chloride	**106J**	ug/kg	119	49.8	1	04/18/13 09:53	04/18/13 20:35	75-09-2	
Naphthalene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	91-20-3	W
Styrene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-19 (14'-15') **Lab ID: 4076262016** Collected: 04/09/13 13:25 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**1800**	ug/kg	119	49.8	1	04/18/13 09:53	04/18/13 20:35	127-18-4	
Toluene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	108-88-3	W
Trichloroethene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	79-01-6	W
Trichlorofluoromethane	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-69-4	W
Vinyl chloride	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	75-01-4	W
cis-1,2-Dichloroethene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	156-59-2	W
cis-1,3-Dichloropropene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	10061-01-5	W
m&p-Xylene	**<94.3**	ug/kg	226	94.3	1	04/18/13 09:53	04/18/13 20:35	179601-23-1	W
n-Butylbenzene	**<76.2**	ug/kg	113	76.2	1	04/18/13 09:53	04/18/13 20:35	104-51-8	W
n-Propylbenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	103-65-1	W
o-Xylene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	95-47-6	W
p-Isopropyltoluene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	99-87-6	W
sec-Butylbenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	135-98-8	W
tert-Butylbenzene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	98-06-6	W
trans-1,2-Dichloroethene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	156-60-5	L2,W
trans-1,3-Dichloropropene	**<47.2**	ug/kg	113	47.2	1	04/18/13 09:53	04/18/13 20:35	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-130		1	04/18/13 09:53	04/18/13 20:35	1868-53-7	
Toluene-d8 (S)	92	%	54-133		1	04/18/13 09:53	04/18/13 20:35	2037-26-5	
4-Bromofluorobenzene (S)	79	%	49-130		1	04/18/13 09:53	04/18/13 20:35	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.2**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-22 (4'-6') **Lab ID: 4076262017** Collected: 04/10/13 09:35 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	630-20-6	W
1,1,1-Trichloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	71-55-6	W
1,1,2,2-Tetrachloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	79-34-5	W
1,1,2-Trichloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	79-00-5	W
1,1-Dichloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-34-3	W
1,1-Dichloroethene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-35-4	W
1,1-Dichloropropene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	563-58-6	W
1,2,3-Trichlorobenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	87-61-6	W
1,2,3-Trichloropropane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	96-18-4	W
1,2,4-Trichlorobenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	120-82-1	W
1,2,4-Trimethylbenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	95-63-6	W
1,2-Dibromo-3-chloropropane	**<152**	ug/kg	463	152	1	04/18/13 09:53	04/18/13 20:58	96-12-8	W
1,2-Dibromoethane (EDB)	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	106-93-4	W
1,2-Dichlorobenzene	**<82.2**	ug/kg	111	82.2	1	04/18/13 09:53	04/18/13 20:58	95-50-1	W
1,2-Dichloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	107-06-2	W
1,2-Dichloropropane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	78-87-5	W
1,3,5-Trimethylbenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	108-67-8	W
1,3-Dichlorobenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	541-73-1	W
1,3-Dichloropropane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	142-28-9	W
1,4-Dichlorobenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	106-46-7	W
2,2-Dichloropropane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	594-20-7	W
2-Chlorotoluene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	95-49-8	W
4-Chlorotoluene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	106-43-4	W
Benzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	71-43-2	W
Bromobenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	108-86-1	W
Bromochloromethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	74-97-5	W
Bromodichloromethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-27-4	W
Bromoform	**<47.9**	ug/kg	111	47.9	1	04/18/13 09:53	04/18/13 20:58	75-25-2	W
Bromomethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	74-83-9	W
Carbon tetrachloride	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	56-23-5	W
Chlorobenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	108-90-7	W
Chloroethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-00-3	W
Chloroform	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	67-66-3	W
Chloromethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	74-87-3	W
Dibromochloromethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	124-48-1	W
Dibromomethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	74-95-3	W
Dichlorodifluoromethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-71-8	W
Diisopropyl ether	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	108-20-3	W
Ethylbenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	100-41-4	W
Hexachloro-1,3-butadiene	**<48.9**	ug/kg	111	48.9	1	04/18/13 09:53	04/18/13 20:58	87-68-3	W
Isopropylbenzene (Cumene)	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	98-82-8	W
Methyl-tert-butyl ether	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	1634-04-4	L2,W
Methylene Chloride	**89.1J**	ug/kg	119	49.4	1	04/18/13 09:53	04/18/13 20:58	75-09-2	
Naphthalene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	91-20-3	W
Styrene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-22 (4'-6') **Lab ID: 4076262017** Collected: 04/10/13 09:35 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**311**	ug/kg	119	49.4	1	04/18/13 09:53	04/18/13 20:58	127-18-4	
Toluene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	108-88-3	W
Trichloroethene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	79-01-6	W
Trichlorofluoromethane	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-69-4	W
Vinyl chloride	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	75-01-4	W
cis-1,2-Dichloroethene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	156-59-2	W
cis-1,3-Dichloropropene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	10061-01-5	W
m&p-Xylene	**<92.6**	ug/kg	222	92.6	1	04/18/13 09:53	04/18/13 20:58	179601-23-1	W
n-Butylbenzene	**<74.8**	ug/kg	111	74.8	1	04/18/13 09:53	04/18/13 20:58	104-51-8	W
n-Propylbenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	103-65-1	W
o-Xylene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	95-47-6	W
p-Isopropyltoluene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	99-87-6	W
sec-Butylbenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	135-98-8	W
tert-Butylbenzene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	98-06-6	W
trans-1,2-Dichloroethene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	156-60-5	L2,W
trans-1,3-Dichloropropene	**<46.3**	ug/kg	111	46.3	1	04/18/13 09:53	04/18/13 20:58	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-130		1	04/18/13 09:53	04/18/13 20:58	1868-53-7	
Toluene-d8 (S)	90	%	54-133		1	04/18/13 09:53	04/18/13 20:58	2037-26-5	
4-Bromofluorobenzene (S)	76	%	49-130		1	04/18/13 09:53	04/18/13 20:58	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.3**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-22 (12'-14') **Lab ID: 4076262018** Collected: 04/10/13 09:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	630-20-6	W
1,1,1-Trichloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	71-55-6	W
1,1,2,2-Tetrachloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	79-34-5	W
1,1,2-Trichloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	79-00-5	W
1,1-Dichloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-34-3	W
1,1-Dichloroethene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-35-4	W
1,1-Dichloropropene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	563-58-6	W
1,2,3-Trichlorobenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	87-61-6	W
1,2,3-Trichloropropane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	96-18-4	W
1,2,4-Trichlorobenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	120-82-1	W
1,2,4-Trimethylbenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	95-63-6	W
1,2-Dibromo-3-chloropropane	**<147**	ug/kg	446	147	1	04/18/13 09:53	04/18/13 21:21	96-12-8	W
1,2-Dibromoethane (EDB)	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	106-93-4	W
1,2-Dichlorobenzene	**<79.3**	ug/kg	107	79.3	1	04/18/13 09:53	04/18/13 21:21	95-50-1	W
1,2-Dichloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	107-06-2	W
1,2-Dichloropropane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	78-87-5	W
1,3,5-Trimethylbenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	108-67-8	W
1,3-Dichlorobenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	541-73-1	W
1,3-Dichloropropane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	142-28-9	W
1,4-Dichlorobenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	106-46-7	W
2,2-Dichloropropane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	594-20-7	W
2-Chlorotoluene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	95-49-8	W
4-Chlorotoluene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	106-43-4	W
Benzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	71-43-2	W
Bromobenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	108-86-1	W
Bromochloromethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	74-97-5	W
Bromodichloromethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-27-4	W
Bromoform	**<46.2**	ug/kg	107	46.2	1	04/18/13 09:53	04/18/13 21:21	75-25-2	W
Bromomethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	74-83-9	W
Carbon tetrachloride	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	56-23-5	W
Chlorobenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	108-90-7	W
Chloroethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-00-3	W
Chloroform	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	67-66-3	W
Chloromethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	74-87-3	W
Dibromochloromethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	124-48-1	W
Dibromomethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	74-95-3	W
Dichlorodifluoromethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-71-8	W
Diisopropyl ether	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	108-20-3	W
Ethylbenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	100-41-4	W
Hexachloro-1,3-butadiene	**<47.1**	ug/kg	107	47.1	1	04/18/13 09:53	04/18/13 21:21	87-68-3	W
Isopropylbenzene (Cumene)	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	98-82-8	W
Methyl-tert-butyl ether	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	1634-04-4	L2,W
Methylene Chloride	**149**	ug/kg	115	47.8	1	04/18/13 09:53	04/18/13 21:21	75-09-2	
Naphthalene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	91-20-3	W
Styrene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-22 (12'-14') **Lab ID: 4076262018** Collected: 04/10/13 09:45 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**4530**	ug/kg	115	47.8	1	04/18/13 09:53	04/18/13 21:21	127-18-4	
Toluene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	108-88-3	W
Trichloroethene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	79-01-6	W
Trichlorofluoromethane	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-69-4	W
Vinyl chloride	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	75-01-4	W
cis-1,2-Dichloroethene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	156-59-2	W
cis-1,3-Dichloropropene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	10061-01-5	W
m&p-Xylene	**<89.3**	ug/kg	214	89.3	1	04/18/13 09:53	04/18/13 21:21	179601-23-1	W
n-Butylbenzene	**<72.1**	ug/kg	107	72.1	1	04/18/13 09:53	04/18/13 21:21	104-51-8	W
n-Propylbenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	103-65-1	W
o-Xylene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	95-47-6	W
p-Isopropyltoluene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	99-87-6	W
sec-Butylbenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	135-98-8	W
tert-Butylbenzene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	98-06-6	W
trans-1,2-Dichloroethene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	156-60-5	L2,W
trans-1,3-Dichloropropene	**<44.6**	ug/kg	107	44.6	1	04/18/13 09:53	04/18/13 21:21	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	57-130		1	04/18/13 09:53	04/18/13 21:21	1868-53-7	
Toluene-d8 (S)	93	%	54-133		1	04/18/13 09:53	04/18/13 21:21	2037-26-5	
4-Bromofluorobenzene (S)	77	%	49-130		1	04/18/13 09:53	04/18/13 21:21	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.6**	%	0.10	0.10	1		04/25/13 13:19		

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (17W) **Lab ID: 4076262019** Collected: 04/08/13 16:35 Received: 04/12/13 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/17/13 00:54	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		04/17/13 00:54	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		04/17/13 00:54	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/17/13 00:54	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/17/13 00:54	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/17/13 00:54	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		04/17/13 00:54	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		04/17/13 00:54	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/17/13 00:54	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/17/13 00:54	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/17/13 00:54	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/17/13 00:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/17/13 00:54	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/17/13 00:54	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		04/17/13 00:54	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		04/17/13 00:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/17/13 00:54	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/17/13 00:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/17/13 00:54	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/17/13 00:54	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 00:54	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/17/13 00:54	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/17/13 00:54	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/17/13 00:54	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/17/13 00:54	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/17/13 00:54	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/17/13 00:54	75-35-4	
cis-1,2-Dichloroethene	**5.1**	ug/L	1.0	0.83	1		04/17/13 00:54	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/17/13 00:54	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/17/13 00:54	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		04/17/13 00:54	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		04/17/13 00:54	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		04/17/13 00:54	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/17/13 00:54	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/17/13 00:54	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		04/17/13 00:54	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/17/13 00:54	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		04/17/13 00:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		04/17/13 00:54	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		04/17/13 00:54	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/17/13 00:54	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/17/13 00:54	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/17/13 00:54	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		04/17/13 00:54	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/17/13 00:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		04/17/13 00:54	630-20-6	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-20 (17W) **Lab ID: 4076262019** Collected: 04/08/13 16:35 Received: 04/12/13 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		04/17/13 00:54	79-34-5	
Tetrachloroethene	**0.57J**	ug/L	1.0	0.45	1		04/17/13 00:54	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/17/13 00:54	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		04/17/13 00:54	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		04/17/13 00:54	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/17/13 00:54	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/17/13 00:54	79-00-5	
Trichloroethene	**0.68J**	ug/L	1.0	0.48	1		04/17/13 00:54	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/17/13 00:54	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		04/17/13 00:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/17/13 00:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 00:54	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/17/13 00:54	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		04/17/13 00:54	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 00:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	43-137		1		04/17/13 00:54	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		04/17/13 00:54	1868-53-7	
Toluene-d8 (S)	105	%	55-137		1		04/17/13 00:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-26 (17W) **Lab ID: 4076262020** Collected: 04/09/13 12:05 Received: 04/12/13 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/17/13 06:44	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		04/17/13 06:44	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		04/17/13 06:44	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/17/13 06:44	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/17/13 06:44	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/17/13 06:44	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		04/17/13 06:44	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		04/17/13 06:44	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/17/13 06:44	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/17/13 06:44	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/17/13 06:44	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/17/13 06:44	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/17/13 06:44	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/17/13 06:44	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		04/17/13 06:44	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		04/17/13 06:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/17/13 06:44	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/17/13 06:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/17/13 06:44	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/17/13 06:44	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 06:44	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/17/13 06:44	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/17/13 06:44	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/17/13 06:44	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/17/13 06:44	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/17/13 06:44	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/17/13 06:44	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 06:44	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/17/13 06:44	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/17/13 06:44	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		04/17/13 06:44	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		04/17/13 06:44	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		04/17/13 06:44	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/17/13 06:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/17/13 06:44	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		04/17/13 06:44	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/17/13 06:44	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		04/17/13 06:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		04/17/13 06:44	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		04/17/13 06:44	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/17/13 06:44	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/17/13 06:44	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/17/13 06:44	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		04/17/13 06:44	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/17/13 06:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		04/17/13 06:44	630-20-6	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-26 (17W) **Lab ID: 4076262020** Collected: 04/09/13 12:05 Received: 04/12/13 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		04/17/13 06:44	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/17/13 06:44	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/17/13 06:44	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		04/17/13 06:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		04/17/13 06:44	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/17/13 06:44	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/17/13 06:44	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/17/13 06:44	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/17/13 06:44	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		04/17/13 06:44	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/17/13 06:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 06:44	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/17/13 06:44	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		04/17/13 06:44	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 06:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	43-137		1		04/17/13 06:44	460-00-4	pH
Dibromofluoromethane (S)	100	%	70-130		1		04/17/13 06:44	1868-53-7	
Toluene-d8 (S)	106	%	55-137		1		04/17/13 06:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-W-DUP **Lab ID: 4076262021** Collected: 04/09/13 12:05 Received: 04/12/13 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/17/13 07:07	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		04/17/13 07:07	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		04/17/13 07:07	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/17/13 07:07	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/17/13 07:07	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/17/13 07:07	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		04/17/13 07:07	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		04/17/13 07:07	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/17/13 07:07	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/17/13 07:07	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/17/13 07:07	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/17/13 07:07	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/17/13 07:07	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/17/13 07:07	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		04/17/13 07:07	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		04/17/13 07:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/17/13 07:07	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/17/13 07:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/17/13 07:07	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/17/13 07:07	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 07:07	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/17/13 07:07	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/17/13 07:07	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/17/13 07:07	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/17/13 07:07	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/17/13 07:07	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/17/13 07:07	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 07:07	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/17/13 07:07	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/17/13 07:07	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		04/17/13 07:07	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		04/17/13 07:07	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		04/17/13 07:07	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/17/13 07:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/17/13 07:07	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		04/17/13 07:07	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/17/13 07:07	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		04/17/13 07:07	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		04/17/13 07:07	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		04/17/13 07:07	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/17/13 07:07	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/17/13 07:07	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/17/13 07:07	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		04/17/13 07:07	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/17/13 07:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		04/17/13 07:07	630-20-6	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-W-DUP **Lab ID: 4076262021** Collected: 04/09/13 12:05 Received: 04/12/13 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		04/17/13 07:07	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/17/13 07:07	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/17/13 07:07	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		04/17/13 07:07	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		04/17/13 07:07	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/17/13 07:07	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/17/13 07:07	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/17/13 07:07	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/17/13 07:07	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		04/17/13 07:07	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/17/13 07:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 07:07	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/17/13 07:07	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		04/17/13 07:07	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		04/17/13 07:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	43-137		1		04/17/13 07:07	460-00-4	pH
Dibromofluoromethane (S)	102	%	70-130		1		04/17/13 07:07	1868-53-7	
Toluene-d8 (S)	106	%	55-137		1		04/17/13 07:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-21 (15-16) **Lab ID: 4076262023** Collected: 04/08/13 00:00 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	96-18-4	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	95-63-6	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/18/13 09:53	04/18/13 21:44	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	106-93-4	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/18/13 09:53	04/18/13 21:44	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/18/13 09:53	04/18/13 21:44	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/18/13 09:53	04/18/13 21:44	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	1634-04-4	L2,W
Methylene Chloride	**55.3J**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-09-2	
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	100-42-5	W

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ANALYTICAL RESULTS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Sample: 6142-B-21 (15-16) **Lab ID: 4076262023** Collected: 04/08/13 00:00 Received: 04/12/13 09:05 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**203**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	108-88-3	W
Trichloroethene	**159**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	75-01-4	W
cis-1,2-Dichloroethene	**29.0J**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	156-59-2	
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/18/13 09:53	04/18/13 21:44	179601-23-1	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/18/13 09:53	04/18/13 21:44	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	156-60-5	L2,W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/18/13 09:53	04/18/13 21:44	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	57-130		1	04/18/13 09:53	04/18/13 21:44	1868-53-7	
Toluene-d8 (S)	102	%	54-133		1	04/18/13 09:53	04/18/13 21:44	2037-26-5	
4-Bromofluorobenzene (S)	82	%	49-130		1	04/18/13 09:53	04/18/13 21:44	460-00-4	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

QC Batch: MSV/19249 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 4076262001, 4076262002, 4076262003, 4076262004, 4076262005, 4076262006, 4076262007, 4076262008, 4076262009

METHOD BLANK: 775299 Matrix: Solid
Associated Lab Samples: 4076262001, 4076262002, 4076262003, 4076262004, 4076262005, 4076262006, 4076262007, 4076262008, 4076262009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,1-Dichloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,1-Dichloroethene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,1-Dichloropropene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	04/17/13 09:57	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	04/17/13 09:57	
1,2-Dichloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,2-Dichloropropane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
1,3-Dichloropropane	ug/kg	<25.0	60.0	04/17/13 09:57	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
2,2-Dichloropropane	ug/kg	<25.0	60.0	04/17/13 09:57	
2-Chlorotoluene	ug/kg	<25.0	60.0	04/17/13 09:57	
4-Chlorotoluene	ug/kg	<25.0	60.0	04/17/13 09:57	
Benzene	ug/kg	<25.0	60.0	04/17/13 09:57	
Bromobenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
Bromochloromethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Bromodichloromethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Bromoform	ug/kg	<25.9	60.0	04/17/13 09:57	
Bromomethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Carbon tetrachloride	ug/kg	<25.0	60.0	04/17/13 09:57	
Chlorobenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
Chloroethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Chloroform	ug/kg	<25.0	60.0	04/17/13 09:57	
Chloromethane	ug/kg	<25.0	60.0	04/17/13 09:57	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/17/13 09:57	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/17/13 09:57	
Dibromochloromethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Dibromomethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Diisopropyl ether	ug/kg	<25.0	60.0	04/17/13 09:57	
Ethylbenzene	ug/kg	<25.0	60.0	04/17/13 09:57	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

METHOD BLANK: 775299 Matrix: Solid

Associated Lab Samples: 4076262001, 4076262002, 4076262003, 4076262004, 4076262005, 4076262006, 4076262007, 4076262008, 4076262009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	04/17/13 09:57	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	04/17/13 09:57	
m&p-Xylene	ug/kg	<50.0	120	04/17/13 09:57	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	04/17/13 09:57	
Methylene Chloride	ug/kg	<25.0	60.0	04/17/13 09:57	
n-Butylbenzene	ug/kg	<40.4	60.0	04/17/13 09:57	
n-Propylbenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
Naphthalene	ug/kg	<25.0	60.0	04/17/13 09:57	
o-Xylene	ug/kg	<25.0	60.0	04/17/13 09:57	
p-Isopropyltoluene	ug/kg	<25.0	60.0	04/17/13 09:57	
sec-Butylbenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
Styrene	ug/kg	<25.0	60.0	04/17/13 09:57	
tert-Butylbenzene	ug/kg	<25.0	60.0	04/17/13 09:57	
Tetrachloroethene	ug/kg	<25.0	60.0	04/17/13 09:57	
Toluene	ug/kg	<25.0	60.0	04/17/13 09:57	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/17/13 09:57	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/17/13 09:57	
Trichloroethene	ug/kg	<25.0	60.0	04/17/13 09:57	
Trichlorofluoromethane	ug/kg	<25.0	60.0	04/17/13 09:57	
Vinyl chloride	ug/kg	<25.0	60.0	04/17/13 09:57	
4-Bromofluorobenzene (S)	%	92	49-130	04/17/13 09:57	
Dibromofluoromethane (S)	%	103	57-130	04/17/13 09:57	
Toluene-d8 (S)	%	107	54-133	04/17/13 09:57	

LABORATORY CONTROL SAMPLE & LCSD: 775300 775301

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2240	2210	89	89	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2770	2710	111	108	70-130	2	20	
1,1,2-Trichloroethane	ug/kg	2500	2530	2530	101	101	70-130	0	20	
1,1-Dichloroethane	ug/kg	2500	1940	1910	77	76	70-130	1	20	
1,1-Dichloroethene	ug/kg	2500	2800	2860	112	114	64-130	2	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2720	2720	109	109	68-130	0	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2080	2310	83	92	50-150	10	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2420	2370	97	95	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	2500	2610	2560	105	103	70-130	2	20	
1,2-Dichloroethane	ug/kg	2500	2590	2580	104	103	70-130	1	20	
1,2-Dichloropropane	ug/kg	2500	2690	2650	108	106	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	2500	2600	2560	104	103	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2570	2490	103	100	70-130	3	20	
Benzene	ug/kg	2500	2550	2490	102	100	70-130	2	20	
Bromodichloromethane	ug/kg	2500	2300	2320	92	93	70-130	1	20	
Bromoform	ug/kg	2500	2420	2510	97	101	63-130	4	20	
Bromomethane	ug/kg	2500	3660	3640	146	146	41-142	0	20	L0

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

LABORATORY CONTROL SAMPLE & LCSD: 775300 775301

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	2500	2190	2260	88	91	70-130	3	20	
Chlorobenzene	ug/kg	2500	2580	2520	103	101	70-130	3	20	
Chloroethane	ug/kg	2500	3190	3040	128	122	57-130	5	20	
Chloroform	ug/kg	2500	2450	2450	98	98	70-130	0	20	
Chloromethane	ug/kg	2500	2110	2190	85	87	57-130	3	20	
cis-1,2-Dichloroethene	ug/kg	2500	2430	2380	97	95	70-130	2	20	
cis-1,3-Dichloropropene	ug/kg	2500	2180	2130	87	85	70-130	3	20	
Dibromochloromethane	ug/kg	2500	2180	2200	87	88	70-130	1	20	
Dichlorodifluoromethane	ug/kg	2500	1960	2060	78	82	31-150	5	20	
Ethylbenzene	ug/kg	2500	2650	2650	106	106	65-137	0	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2690	2690	107	107	70-130	0	20	
m&p-Xylene	ug/kg	5000	5330	5300	107	106	64-139	1	20	
Methyl-tert-butyl ether	ug/kg	2500	1560	1590	62	64	69-130	2	20	L0
Methylene Chloride	ug/kg	2500	3010	3030	120	121	70-130	1	20	
o-Xylene	ug/kg	2500	2650	2590	106	103	63-135	2	20	
Styrene	ug/kg	2500	2410	2370	96	95	69-130	2	20	
Tetrachloroethene	ug/kg	2500	2490	2460	100	98	70-130	1	20	
Toluene	ug/kg	2500	2600	2540	104	102	70-130	3	20	
trans-1,2-Dichloroethene	ug/kg	2500	1790	1790	72	72	70-130	0	20	
trans-1,3-Dichloropropene	ug/kg	2500	2310	2340	92	93	70-130	1	20	
Trichloroethene	ug/kg	2500	2680	2640	107	105	70-130	2	20	
Trichlorofluoromethane	ug/kg	2500	2810	2770	112	111	50-150	1	20	
Vinyl chloride	ug/kg	2500	2440	2570	97	103	57-130	5	20	
4-Bromofluorobenzene (S)	%				102	101	49-130			
Dibromofluoromethane (S)	%				104	104	57-130			
Toluene-d8 (S)	%				101	100	54-133			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 775302 775303

Parameter	Units	4076262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.8	3730	3360	3270	2760	87	82	63-139	17	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.8	3730	3360	3950	3250	106	97	52-149	19	26	
1,1,2-Trichloroethane	ug/kg	<25.8	3730	3360	3530	2880	94	86	65-134	20	20	
1,1-Dichloroethane	ug/kg	<25.8	3730	3360	2890	2410	77	72	55-138	18	20	
1,1-Dichloroethene	ug/kg	<25.8	3730	3360	3860	3190	103	95	50-133	19	20	
1,2,4-Trichlorobenzene	ug/kg	<25.8	3730	3360	4250	3400	114	101	68-130	22	24	
1,2-Dibromo-3-chloropropane	ug/kg	<84.9	3730	3360	3530	2990	94	89	50-150	17	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.8	3730	3360	3480	2890	93	86	67-130	19	20	
1,2-Dichlorobenzene	ug/kg	<45.8	3730	3360	3750	3130	100	93	70-130	18	20	
1,2-Dichloroethane	ug/kg	<25.8	3730	3360	3640	3010	97	89	58-142	19	21	
1,2-Dichloropropane	ug/kg	<25.8	3730	3360	3600	3090	96	92	59-135	15	20	
1,3-Dichlorobenzene	ug/kg	<25.8	3730	3360	3690	3080	99	92	70-130	18	20	
1,4-Dichlorobenzene	ug/kg	<25.8	3730	3360	3560	3000	95	89	68-130	17	20	
Benzene	ug/kg	<25.8	3730	3360	3690	3030	98	89	41-130	20	20	
Bromodichloromethane	ug/kg	<25.8	3730	3360	3310	2750	89	82	58-136	19	20	
Bromoform	ug/kg	<26.7	3730	3360	3490	2930	93	87	33-162	17	20	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 775302 775303

Parameter	Units	4076262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/kg	<25.8	3730	3360	4030	3370	108	100	31-156	18	27	
Carbon tetrachloride	ug/kg	<25.8	3730	3360	3240	2770	87	82	56-146	16	22	
Chlorobenzene	ug/kg	<25.8	3730	3360	3610	2890	97	86	67-130	22	20	R1
Chloroethane	ug/kg	<25.8	3730	3360	3620	2810	97	84	18-187	25	29	
Chloroform	ug/kg	<25.8	3730	3360	3630	3040	97	91	63-135	17	20	
Chloromethane	ug/kg	<25.8	3730	3360	3530	2450	94	73	36-130	36	30	R1
cis-1,2-Dichloroethene	ug/kg	<25.8	3730	3360	3640	2990	97	89	59-130	20	20	
cis-1,3-Dichloropropene	ug/kg	<25.8	3730	3360	3150	2610	84	78	61-130	19	20	
Dibromochloromethane	ug/kg	<25.8	3730	3360	3140	2630	84	78	51-145	18	20	
Dichlorodifluoromethane	ug/kg	<25.8	3730	3360	2660	1910	71	57	15-150	33	50	
Ethylbenzene	ug/kg	52.8J	3730	3360	3740	3020	99	88	25-150	21	20	R1
Isopropylbenzene (Cumene)	ug/kg	31.1J	3730	3360	3770	3030	100	89	70-130	22	20	R1
m&p-Xylene	ug/kg	173	7480	6720	7590	6110	99	88	26-146	22	20	R1
Methyl-tert-butyl ether	ug/kg	<25.8	3730	3360	2570	2130	69	63	54-130	19	20	
Methylene Chloride	ug/kg	<25.8	3730	3360	4060	3370	108	100	52-137	19	20	
o-Xylene	ug/kg	121	3730	3360	3830	3100	99	89	20-149	21	20	R1
Styrene	ug/kg	<25.8	3730	3360	3260	2660	87	79	60-135	20	20	
Tetrachloroethene	ug/kg	<25.8	3730	3360	3550	2910	95	87	62-133	20	20	
Toluene	ug/kg	131	3730	3360	3780	3020	98	86	34-136	22	20	R1
trans-1,2-Dichloroethene	ug/kg	<25.8	3730	3360	2690	2180	72	65	60-130	21	20	R1
trans-1,3-Dichloropropene	ug/kg	<25.8	3730	3360	3300	2750	88	82	53-136	18	20	
Trichloroethene	ug/kg	<25.8	3730	3360	3730	3070	100	91	66-131	20	20	
Trichlorofluoromethane	ug/kg	<25.8	3730	3360	3460	2930	93	87	50-150	16	31	
Vinyl chloride	ug/kg	<25.8	3730	3360	3800	2930	102	87	36-130	26	28	
4-Bromofluorobenzene (S)	%						97	90	49-130			
Dibromofluoromethane (S)	%						105	97	57-130			
Toluene-d8 (S)	%						98	90	54-133			

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

QC Batch: MSV/19270 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 4076262010, 4076262011, 4076262012, 4076262013, 4076262014, 4076262015, 4076262016, 4076262017, 4076262018, 4076262023

METHOD BLANK: 775935 Matrix: Solid
Associated Lab Samples: 4076262010, 4076262011, 4076262012, 4076262013, 4076262014, 4076262015, 4076262016, 4076262017, 4076262018, 4076262023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,1-Dichloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,1-Dichloroethene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,1-Dichloropropene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	04/18/13 12:54	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	04/18/13 12:54	
1,2-Dichloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,2-Dichloropropane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
1,3-Dichloropropane	ug/kg	<25.0	60.0	04/18/13 12:54	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
2,2-Dichloropropane	ug/kg	<25.0	60.0	04/18/13 12:54	
2-Chlorotoluene	ug/kg	<25.0	60.0	04/18/13 12:54	
4-Chlorotoluene	ug/kg	<25.0	60.0	04/18/13 12:54	
Benzene	ug/kg	<25.0	60.0	04/18/13 12:54	
Bromobenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
Bromochloromethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Bromodichloromethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Bromoform	ug/kg	<25.9	60.0	04/18/13 12:54	
Bromomethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Carbon tetrachloride	ug/kg	<25.0	60.0	04/18/13 12:54	
Chlorobenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
Chloroethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Chloroform	ug/kg	<25.0	60.0	04/18/13 12:54	
Chloromethane	ug/kg	<25.0	60.0	04/18/13 12:54	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/18/13 12:54	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/18/13 12:54	
Dibromochloromethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Dibromomethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Diisopropyl ether	ug/kg	<25.0	60.0	04/18/13 12:54	
Ethylbenzene	ug/kg	<25.0	60.0	04/18/13 12:54	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

METHOD BLANK: 775935 Matrix: Solid

Associated Lab Samples: 4076262010, 4076262011, 4076262012, 4076262013, 4076262014, 4076262015, 4076262016, 4076262017, 4076262018, 4076262023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	04/18/13 12:54	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	04/18/13 12:54	
m&p-Xylene	ug/kg	<50.0	120	04/18/13 12:54	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	04/18/13 12:54	
Methylene Chloride	ug/kg	<25.0	60.0	04/18/13 12:54	
n-Butylbenzene	ug/kg	<40.4	60.0	04/18/13 12:54	
n-Propylbenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
Naphthalene	ug/kg	<25.0	60.0	04/18/13 12:54	
o-Xylene	ug/kg	<25.0	60.0	04/18/13 12:54	
p-Isopropyltoluene	ug/kg	<25.0	60.0	04/18/13 12:54	
sec-Butylbenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
Styrene	ug/kg	<25.0	60.0	04/18/13 12:54	
tert-Butylbenzene	ug/kg	<25.0	60.0	04/18/13 12:54	
Tetrachloroethene	ug/kg	<25.0	60.0	04/18/13 12:54	
Toluene	ug/kg	<25.0	60.0	04/18/13 12:54	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/18/13 12:54	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/18/13 12:54	
Trichloroethene	ug/kg	<25.0	60.0	04/18/13 12:54	
Trichlorofluoromethane	ug/kg	<25.0	60.0	04/18/13 12:54	
Vinyl chloride	ug/kg	<25.0	60.0	04/18/13 12:54	
4-Bromofluorobenzene (S)	%	95	49-130	04/18/13 12:54	
Dibromofluoromethane (S)	%	108	57-130	04/18/13 12:54	
Toluene-d8 (S)	%	110	54-133	04/18/13 12:54	

LABORATORY CONTROL SAMPLE & LCSD: 775936 775937

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2250	2120	90	85	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2770	2610	111	104	70-130	6	20	
1,1,2-Trichloroethane	ug/kg	2500	2520	2360	101	94	70-130	6	20	
1,1-Dichloroethane	ug/kg	2500	1960	1810	78	72	70-130	8	20	
1,1-Dichloroethene	ug/kg	2500	2820	2640	113	105	64-130	7	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2950	2670	118	107	68-130	10	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2410	2440	96	97	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2470	2310	99	92	70-130	7	20	
1,2-Dichlorobenzene	ug/kg	2500	2650	2460	106	98	70-130	8	20	
1,2-Dichloroethane	ug/kg	2500	2640	2410	105	96	70-130	9	20	
1,2-Dichloropropane	ug/kg	2500	2570	2510	103	100	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	2500	2660	2460	106	99	70-130	8	20	
1,4-Dichlorobenzene	ug/kg	2500	2570	2430	103	97	70-130	6	20	
Benzene	ug/kg	2500	2540	2350	101	94	70-130	8	20	
Bromodichloromethane	ug/kg	2500	2250	2240	90	90	70-130	0	20	
Bromoform	ug/kg	2500	2410	2380	96	95	63-130	1	20	
Bromomethane	ug/kg	2500	2910	3020	116	121	41-142	4	20	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

LABORATORY CONTROL SAMPLE & LCSD: 775936 775937

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	2500	2260	2120	90	85	70-130	6	20	
Chlorobenzene	ug/kg	2500	2520	2350	101	94	70-130	7	20	
Chloroethane	ug/kg	2500	2800	2520	112	101	57-130	10	20	
Chloroform	ug/kg	2500	2560	2320	102	93	70-130	10	20	
Chloromethane	ug/kg	2500	2090	1920	84	77	57-130	8	20	
cis-1,2-Dichloroethene	ug/kg	2500	2530	2310	101	93	70-130	9	20	
cis-1,3-Dichloropropene	ug/kg	2500	2190	2110	87	84	70-130	4	20	
Dibromochloromethane	ug/kg	2500	2170	2100	87	84	70-130	4	20	
Dichlorodifluoromethane	ug/kg	2500	1850	1730	74	69	31-150	7	20	
Ethylbenzene	ug/kg	2500	2590	2410	104	96	65-137	7	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2620	2470	105	99	70-130	6	20	
m&p-Xylene	ug/kg	5000	5130	4830	103	97	64-139	6	20	
Methyl-tert-butyl ether	ug/kg	2500	1810	1610	73	64	69-130	12	20	L0
Methylene Chloride	ug/kg	2500	3030	2710	121	108	70-130	11	20	
o-Xylene	ug/kg	2500	2600	2400	104	96	63-135	8	20	
Styrene	ug/kg	2500	2300	2190	92	88	69-130	5	20	
Tetrachloroethene	ug/kg	2500	2420	2410	97	96	70-130	0	20	
Toluene	ug/kg	2500	2480	2370	99	95	70-130	5	20	
trans-1,2-Dichloroethene	ug/kg	2500	1900	1690	76	67	70-130	12	20	L0
trans-1,3-Dichloropropene	ug/kg	2500	2230	2230	89	89	70-130	0	20	
Trichloroethene	ug/kg	2500	2660	2440	106	98	70-130	9	20	
Trichlorofluoromethane	ug/kg	2500	2640	2500	106	100	50-150	6	20	
Vinyl chloride	ug/kg	2500	2430	2290	97	92	57-130	6	20	
4-Bromofluorobenzene (S)	%				101	98	49-130			
Dibromofluoromethane (S)	%				112	102	57-130			
Toluene-d8 (S)	%				101	98	54-133			

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

QC Batch: MSV/19202 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4076262019, 4076262020, 4076262021

METHOD BLANK: 774167 Matrix: Water
Associated Lab Samples: 4076262019, 4076262020, 4076262021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	04/16/13 15:58	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	04/16/13 15:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	04/16/13 15:58	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	04/16/13 15:58	
1,1-Dichloroethane	ug/L	<0.75	1.0	04/16/13 15:58	
1,1-Dichloroethene	ug/L	<0.57	1.0	04/16/13 15:58	
1,1-Dichloropropene	ug/L	<0.75	1.0	04/16/13 15:58	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	04/16/13 15:58	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	04/16/13 15:58	
1,2,4-Trichlorobenzene	ug/L	<0.97	5.0	04/16/13 15:58	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	04/16/13 15:58	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	04/16/13 15:58	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	04/16/13 15:58	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	04/16/13 15:58	
1,2-Dichloroethane	ug/L	<0.36	1.0	04/16/13 15:58	
1,2-Dichloropropane	ug/L	<0.49	1.0	04/16/13 15:58	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	04/16/13 15:58	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	04/16/13 15:58	
1,3-Dichloropropane	ug/L	<0.61	1.0	04/16/13 15:58	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	04/16/13 15:58	
2,2-Dichloropropane	ug/L	<0.62	1.0	04/16/13 15:58	
2-Chlorotoluene	ug/L	<0.85	1.0	04/16/13 15:58	
4-Chlorotoluene	ug/L	<0.74	1.0	04/16/13 15:58	
Benzene	ug/L	<0.41	1.0	04/16/13 15:58	
Bromobenzene	ug/L	<0.82	1.0	04/16/13 15:58	
Bromochloromethane	ug/L	<0.97	1.0	04/16/13 15:58	
Bromodichloromethane	ug/L	<0.56	1.0	04/16/13 15:58	
Bromoform	ug/L	<0.94	1.0	04/16/13 15:58	
Bromomethane	ug/L	<0.91	1.0	04/16/13 15:58	
Carbon tetrachloride	ug/L	<0.49	1.0	04/16/13 15:58	
Chlorobenzene	ug/L	<0.41	1.0	04/16/13 15:58	
Chloroethane	ug/L	<0.97	1.0	04/16/13 15:58	
Chloroform	ug/L	<1.3	5.0	04/16/13 15:58	
Chloromethane	ug/L	<0.24	1.0	04/16/13 15:58	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	04/16/13 15:58	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	04/16/13 15:58	
Dibromochloromethane	ug/L	<0.81	1.0	04/16/13 15:58	
Dibromomethane	ug/L	<0.60	1.0	04/16/13 15:58	
Dichlorodifluoromethane	ug/L	<0.99	1.0	04/16/13 15:58	
Diisopropyl ether	ug/L	<0.76	1.0	04/16/13 15:58	
Ethylbenzene	ug/L	<0.54	1.0	04/16/13 15:58	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	04/16/13 15:58	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	04/16/13 15:58	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

METHOD BLANK: 774167 Matrix: Water

Associated Lab Samples: 4076262019, 4076262020, 4076262021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	04/16/13 15:58	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	04/16/13 15:58	
Methylene Chloride	ug/L	<0.43	1.0	04/16/13 15:58	
n-Butylbenzene	ug/L	<0.93	1.0	04/16/13 15:58	
n-Propylbenzene	ug/L	<0.81	1.0	04/16/13 15:58	
Naphthalene	ug/L	<0.89	5.0	04/16/13 15:58	
o-Xylene	ug/L	<0.83	1.0	04/16/13 15:58	
p-Isopropyltoluene	ug/L	<0.67	1.0	04/16/13 15:58	
sec-Butylbenzene	ug/L	<0.89	5.0	04/16/13 15:58	
Styrene	ug/L	<0.86	1.0	04/16/13 15:58	
tert-Butylbenzene	ug/L	<0.97	1.0	04/16/13 15:58	
Tetrachloroethene	ug/L	<0.45	1.0	04/16/13 15:58	
Toluene	ug/L	<0.67	1.0	04/16/13 15:58	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	04/16/13 15:58	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	04/16/13 15:58	
Trichloroethene	ug/L	<0.48	1.0	04/16/13 15:58	
Trichlorofluoromethane	ug/L	<0.79	1.0	04/16/13 15:58	
Vinyl chloride	ug/L	<0.18	1.0	04/16/13 15:58	
4-Bromofluorobenzene (S)	%	96	43-137	04/16/13 15:58	
Dibromofluoromethane (S)	%	96	70-130	04/16/13 15:58	
Toluene-d8 (S)	%	103	55-137	04/16/13 15:58	

LABORATORY CONTROL SAMPLE & LCSD: 774168 774169

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.8	51.2	102	102	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	50	53.3	50.3	107	101	70-130	6	20	
1,1,2-Trichloroethane	ug/L	50	54.4	52.7	109	105	70-130	3	20	
1,1-Dichloroethane	ug/L	50	57.1	55.9	114	112	70-146	2	20	
1,1-Dichloroethene	ug/L	50	52.2	51.6	104	103	70-130	1	20	
1,2,4-Trichlorobenzene	ug/L	50	51.6	50.9	103	102	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	50	46.3	44.1	93	88	46-150	5	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	49.5	100	99	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	52.8	51.9	106	104	70-130	2	20	
1,2-Dichloroethane	ug/L	50	55.9	54.0	112	108	70-144	3	20	
1,2-Dichloropropane	ug/L	50	53.8	52.3	108	105	70-136	3	20	
1,3-Dichlorobenzene	ug/L	50	51.6	51.2	103	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	50	51.1	50.8	102	102	70-130	1	20	
Benzene	ug/L	50	53.6	52.9	107	106	70-137	1	20	
Bromodichloromethane	ug/L	50	48.0	48.7	96	97	70-133	1	20	
Bromoform	ug/L	50	40.8	40.7	82	81	59-130	0	20	
Bromomethane	ug/L	50	57.2	56.9	114	114	41-148	1	20	
Carbon tetrachloride	ug/L	50	47.0	48.0	94	96	70-154	2	20	
Chlorobenzene	ug/L	50	53.6	53.0	107	106	70-130	1	20	
Chloroethane	ug/L	50	54.5	52.9	109	106	70-139	3	20	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

LABORATORY CONTROL SAMPLE & LCSD: 774168 774169

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroform	ug/L	50	51.8	51.4	104	103	70-130	1	20	
Chloromethane	ug/L	50	58.6	57.4	117	115	45-154	2	20	
cis-1,2-Dichloroethene	ug/L	50	51.9	51.0	104	102	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	42.4	43.1	85	86	70-136	2	20	
Dibromochloromethane	ug/L	50	45.3	45.3	91	91	70-130	0	20	
Dichlorodifluoromethane	ug/L	50	64.3	63.5	129	127	20-157	1	20	
Ethylbenzene	ug/L	50	55.6	55.1	111	110	70-130	1	20	
Isopropylbenzene (Cumene)	ug/L	50	57.3	57.2	115	114	70-130	0	20	
m&p-Xylene	ug/L	100	111	111	111	111	70-130	1	20	
Methyl-tert-butyl ether	ug/L	50	50.7	48.9	101	98	59-141	4	20	
Methylene Chloride	ug/L	50	50.7	48.5	101	97	70-130	4	20	
o-Xylene	ug/L	50	54.9	54.3	110	109	70-130	1	20	
Styrene	ug/L	50	56.5	56.6	113	113	70-130	0	20	
Tetrachloroethene	ug/L	50	51.4	51.1	103	102	70-130	1	20	
Toluene	ug/L	50	54.3	53.9	109	108	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	59.3	58.5	119	117	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	50	45.5	45.1	91	90	55-135	1	20	
Trichloroethene	ug/L	50	54.4	53.9	109	108	70-130	1	20	
Trichlorofluoromethane	ug/L	50	56.9	56.0	114	112	50-150	2	20	
Vinyl chloride	ug/L	50	57.0	56.1	114	112	61-143	2	20	
4-Bromofluorobenzene (S)	%				101	101	43-137			
Dibromofluoromethane (S)	%				101	103	70-130			
Toluene-d8 (S)	%				105	105	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 774886 774887

Parameter	Units	4076209001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	51.6	52.2	103	104	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	54.1	53.3	108	107	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	55.3	54.2	111	108	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	56.6	57.4	113	115	70-146	1	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	51.0	52.5	102	105	70-130	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.97	50	50	52.3	51.7	103	102	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	46.9	46.8	94	94	46-150	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.56	50	50	52.6	50.6	105	101	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.83	50	50	53.4	53.2	106	106	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	55.8	55.8	112	112	70-146	0	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	53.1	53.3	106	107	70-136	0	20	
1,3-Dichlorobenzene	ug/L	<0.87	50	50	52.0	52.4	103	104	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.95	50	50	51.2	51.6	102	103	70-130	1	20	
Benzene	ug/L	2.3	50	50	55.7	56.3	107	108	70-137	1	20	
Bromodichloromethane	ug/L	<0.56	50	50	49.7	49.3	99	99	70-133	1	20	
Bromoform	ug/L	<0.94	50	50	43.1	41.2	86	82	57-130	5	20	
Bromomethane	ug/L	<0.91	50	50	58.7	60.1	117	120	41-148	2	20	
Carbon tetrachloride	ug/L	<0.49	50	50	48.5	48.7	97	97	70-154	0	20	
Chlorobenzene	ug/L	<0.41	50	50	54.2	53.5	108	107	70-130	1	20	

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 774886 774887

Parameter	Units	4076209001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloroethane	ug/L	<0.97	50	50	52.0	54.0	104	108	70-140	4	20	
Chloroform	ug/L	<1.3	50	50	52.1	52.4	104	105	70-130	1	20	
Chloromethane	ug/L	<0.24	50	50	56.2	57.1	112	114	45-154	2	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	52.2	52.8	104	106	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	44.3	43.5	89	87	70-136	2	20	
Dibromochloromethane	ug/L	<0.81	50	50	48.6	46.7	97	93	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.99	50	50	59.9	61.8	120	124	10-157	3	20	
Ethylbenzene	ug/L	<0.54	50	50	55.7	55.8	111	112	70-130	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.59	50	50	57.4	57.9	115	116	70-130	1	20	
m&p-Xylene	ug/L	<1.8	100	100	109	106	109	106	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.61	50	50	51.9	51.0	103	101	59-141	2	20	
Methylene Chloride	ug/L	<0.43	50	50	49.7	49.7	99	99	70-130	0	20	
o-Xylene	ug/L	<0.83	50	50	54.6	53.8	109	108	70-130	1	20	
Styrene	ug/L	<0.86	50	50	43.4	34.0	87	68	35-164	24	20	R1
Tetrachloroethene	ug/L	<0.45	50	50	52.3	52.7	105	105	70-130	1	20	
Toluene	ug/L	<0.67	50	50	55.0	55.2	110	110	70-130	0	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	57.7	59.0	115	118	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	47.7	45.5	95	91	55-137	5	20	
Trichloroethene	ug/L	1.4	50	50	56.1	55.8	109	109	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.79	50	50	55.4	57.6	111	115	50-150	4	20	
Vinyl chloride	ug/L	<0.18	50	50	56.3	56.8	113	114	59-144	1	20	
4-Bromofluorobenzene (S)	%						102	102	43-137			
Dibromofluoromethane (S)	%						103	104	70-130			
Toluene-d8 (S)	%						105	105	55-137			

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QUALITY CONTROL DATA

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

QC Batch: PMST/8371 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4076262001, 4076262002, 4076262003, 4076262004, 4076262005, 4076262006, 4076262007, 4076262008, 4076262009, 4076262010, 4076262011, 4076262012, 4076262013, 4076262014, 4076262015, 4076262016, 4076262017, 4076262018

SAMPLE DUPLICATE: 779761

Parameter	Units	4076262007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.7	4.7	1	10	

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QUALIFIERS

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6142 OHM ELM GROVE
Pace Project No.: 4076262

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4076262001	6142-PZ-1 (4'-6')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262002	6142-PZ-1 (15'-16')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262003	6142-B-21 (4'-6')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262004	6142-B-21 (9'-11')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262005	6142-B-20 (3'-4')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262006	6142-B-20 (8'-10')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262007	6142-B-20 (14'-16')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262008	6142-B-24 (4'-6')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262009	6142-B-24 (14'-15')	EPA 5035/5030B	MSV/19249	EPA 8260	MSV/19253
4076262010	6142-B-23 (2'-3')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262011	6142-B-26 (6'-8')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262012	6142-B-26 (14'-15')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262013	6142-B-25 (4'-6')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262014	6142-B-25 (14'-15')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262015	6142-B-19 (4'-6')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262016	6142-B-19 (14'-15')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262017	6142-B-22 (4'-6')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262018	6142-B-22 (12'-14')	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262023	6142-B-21 (15-16)	EPA 5035/5030B	MSV/19270	EPA 8260	MSV/19272
4076262019	6142-B-20 (17W)	EPA 8260	MSV/19202		
4076262020	6142-B-26 (17W)	EPA 8260	MSV/19202		
4076262021	6142-W-DUP	EPA 8260	MSV/19202		
4076262001	6142-PZ-1 (4'-6')	ASTM D2974-87	PMST/8371		
4076262002	6142-PZ-1 (15'-16')	ASTM D2974-87	PMST/8371		
4076262003	6142-B-21 (4'-6')	ASTM D2974-87	PMST/8371		
4076262004	6142-B-21 (9'-11')	ASTM D2974-87	PMST/8371		
4076262005	6142-B-20 (3'-4')	ASTM D2974-87	PMST/8371		
4076262006	6142-B-20 (8'-10')	ASTM D2974-87	PMST/8371		
4076262007	6142-B-20 (14'-16')	ASTM D2974-87	PMST/8371		
4076262008	6142-B-24 (4'-6')	ASTM D2974-87	PMST/8371		
4076262009	6142-B-24 (14'-15')	ASTM D2974-87	PMST/8371		
4076262010	6142-B-23 (2'-3')	ASTM D2974-87	PMST/8371		
4076262011	6142-B-26 (6'-8')	ASTM D2974-87	PMST/8371		
4076262012	6142-B-26 (14'-15')	ASTM D2974-87	PMST/8371		
4076262013	6142-B-25 (4'-6')	ASTM D2974-87	PMST/8371		
4076262014	6142-B-25 (14'-15')	ASTM D2974-87	PMST/8371		
4076262015	6142-B-19 (4'-6')	ASTM D2974-87	PMST/8371		
4076262016	6142-B-19 (14'-15')	ASTM D2974-87	PMST/8371		
4076262017	6142-B-22 (4'-6')	ASTM D2974-87	PMST/8371		
4076262018	6142-B-22 (12'-14')	ASTM D2974-87	PMST/8371		

ATTACHMENT 5

GROUNDWATER ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-56497-1
Client Project/Site: OHM Elm Grove - 6142

For:
Environmental Forensic Investigation Inc
N16 W23390 Stone Ridge Drive
Suite G
Waukesha, Wisconsin 53188

Attn: Mr. Wayne Fassbender

Sandie Fredrick

Authorized for release by:
5/8/2013 3:44:30 PM

Sandie Fredrick, Project Manager I
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Job ID: 500-56497-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-56497-1

Comments
No additional comments.

Receipt
The samples were received on 4/30/2013 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 0.7° C.

Except: Received some vials with headspace present.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: 6142-Potable Well (Bail) — Lab Sample ID: 500-56497-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.59	J	1.0	0.17	ug/L	1		8260B	Total/NA
Trichloroethene	0.88		0.50	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-Potable Well (Faucet) — Lab Sample ID: 500-56497-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.81	J	1.0	0.17	ug/L	1		8260B	Total/NA
Trichloroethene	1.8		0.50	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-MW-4 — Lab Sample ID: 500-56497-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.26	J	0.50	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-PZ-1 — Lab Sample ID: 500-56497-4

No Detections.

Client Sample ID: 6142-MW-2 — Lab Sample ID: 500-56497-5

No Detections.

Client Sample ID: 6142-MW-5 — Lab Sample ID: 500-56497-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	31		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-MW-3 — Lab Sample ID: 500-56497-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.31	J	0.50	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-MW-1 — Lab Sample ID: 500-56497-8

No Detections.

Client Sample ID: 6142-MW-7 — Lab Sample ID: 500-56497-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	50		1.0	0.12	ug/L	1		8260B	Total/NA
Tetrachloroethene	110		1.0	0.17	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.9		1.0	0.25	ug/L	1		8260B	Total/NA
Trichloroethene	16		0.50	0.19	ug/L	1		8260B	Total/NA
Vinyl chloride	4.1		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-MW-6 — Lab Sample ID: 500-56497-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.6		1.0	0.12	ug/L	1		8260B	Total/NA
Trichloroethene	9.0		0.50	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene - DL	510		10	1.7	ug/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: 6142-EB — Lab Sample ID: 500-56497-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		0.50	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-DUP-1 — Lab Sample ID: 500-56497-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.6		1.0	0.12	ug/L	1		8260B	Total/NA
Trichloroethene	8.9		0.50	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene - DL	540		10	1.7	ug/L	10		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-56497-13

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-56497-1	6142-Potable Well (Bail)	Ground Water	04/24/13 10:50	04/30/13 09:50
500-56497-2	6142-Potable Well (Faucet)	Ground Water	04/24/13 11:00	04/30/13 09:50
500-56497-3	6142-MW-4	Ground Water	04/24/13 12:00	04/30/13 09:50
500-56497-4	6142-PZ-1	Ground Water	04/24/13 13:00	04/30/13 09:50
500-56497-5	6142-MW-2	Ground Water	04/24/13 14:35	04/30/13 09:50
500-56497-6	6142-MW-5	Ground Water	04/24/13 15:25	04/30/13 09:50
500-56497-7	6142-MW-3	Ground Water	04/24/13 16:20	04/30/13 09:50
500-56497-8	6142-MW-1	Ground Water	04/24/13 17:15	04/30/13 09:50
500-56497-9	6142-MW-7	Ground Water	04/25/13 13:30	04/30/13 09:50
500-56497-10	6142-MW-6	Ground Water	04/25/13 14:15	04/30/13 09:50
500-56497-11	6142-EB	Water	04/25/13 14:30	04/30/13 09:50
500-56497-12	6142-DUP-1	Ground Water	04/25/13 00:00	04/30/13 09:50
500-56497-13	Trip Blank	Water	04/24/13 00:00	04/30/13 09:50

Client Sample ID: 6142-Potable Well (Bail)
Date Collected: 04/24/13 10:50
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 16:17	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 16:17	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 16:17	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 16:17	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 16:17	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 16:17	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 16:17	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 16:17	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 16:17	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 16:17	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:17	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 16:17	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 16:17	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 16:17	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 16:17	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 16:17	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 16:17	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 16:17	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 16:17	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 16:17	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 16:17	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 16:17	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 16:17	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 16:17	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 16:17	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 16:17	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 16:17	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 16:17	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 16:17	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 16:17	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:17	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 16:17	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 16:17	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 16:17	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 16:17	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 16:17	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 16:17	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 16:17	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 16:17	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 16:17	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 16:17	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 16:17	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:17	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 16:17	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 16:17	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 16:17	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 16:17	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 16:17	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 16:17	1

Client Sample ID: 6142-Potable Well (Bail)

Lab Sample ID: 500-56497-1

Date Collected: 04/24/13 10:50
Matrix: Ground Water
Date Received: 04/30/13 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 16:17	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 16:17	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:17	1
Tetrachloroethene	0.59	J	1.0	0.17	ug/L			05/06/13 16:17	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 16:17	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 16:17	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 16:17	1
Trichloroethene	0.88		0.50	0.19	ug/L			05/06/13 16:17	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 16:17	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 16:17	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*05/06/13 16:17*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/06/13 16:17*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*05/06/13 16:17*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/06/13 16:17*	*1*

Client Sample ID: 6142-Potable Well (Faucet)

Lab Sample ID: 500-56497-2

Date Collected: 04/24/13 11:00
Matrix: Ground Water
Date Received: 04/30/13 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 16:40	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 16:40	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 16:40	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 16:40	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 16:40	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 16:40	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 16:40	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 16:40	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 16:40	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 16:40	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:40	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 16:40	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 16:40	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 16:40	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 16:40	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 16:40	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 16:40	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 16:40	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 16:40	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 16:40	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 16:40	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 16:40	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 16:40	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 16:40	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 16:40	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 16:40	1

Client Sample ID: 6142-Potable Well (Faucet)

Date Collected: 04/24/13 11:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 16:40	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 16:40	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 16:40	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 16:40	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:40	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 16:40	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 16:40	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 16:40	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 16:40	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 16:40	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 16:40	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 16:40	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 16:40	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 16:40	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 16:40	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 16:40	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:40	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 16:40	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 16:40	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 16:40	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 16:40	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 16:40	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 16:40	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 16:40	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 16:40	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 16:40	1
Tetrachloroethene	0.81	J	1.0	0.17	ug/L			05/06/13 16:40	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 16:40	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 16:40	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 16:40	1
Trichloroethene	1.8		0.50	0.19	ug/L			05/06/13 16:40	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 16:40	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 16:40	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*05/06/13 16:40*	*1*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*		*05/06/13 16:40*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*05/06/13 16:40*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/06/13 16:40*	*1*

Client Sample ID: 6142-MW-4

Date Collected: 04/24/13 12:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 17:03	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 17:03	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 17:03	1

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: 6142-MW-4
Date Collected: 04/24/13 12:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 17:03	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 17:03	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 17:03	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 17:03	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 17:03	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 17:03	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 17:03	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:03	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 17:03	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 17:03	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 17:03	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 17:03	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 17:03	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 17:03	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:03	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 17:03	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:03	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 17:03	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 17:03	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 17:03	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 17:03	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 17:03	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 17:03	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 17:03	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 17:03	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 17:03	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 17:03	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:03	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 17:03	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 17:03	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 17:03	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 17:03	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 17:03	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 17:03	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 17:03	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 17:03	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 17:03	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 17:03	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 17:03	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:03	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 17:03	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 17:03	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 17:03	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 17:03	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 17:03	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 17:03	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:03	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 17:03	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:03	1

Client Sample ID: 6142-MW-4
Date Collected: 04/24/13 12:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/06/13 17:03	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 17:03	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 17:03	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 17:03	1
Trichloroethene	0.26	J	0.50	0.19	ug/L			05/06/13 17:03	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 17:03	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 17:03	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*		*05/06/13 17:03*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*05/06/13 17:03*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*05/06/13 17:03*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/06/13 17:03*	*1*

Client Sample ID: 6142-PZ-1
Date Collected: 04/24/13 13:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 17:26	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 17:26	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 17:26	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 17:26	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 17:26	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 17:26	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 17:26	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 17:26	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 17:26	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 17:26	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:26	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 17:26	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 17:26	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 17:26	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 17:26	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 17:26	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 17:26	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:26	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 17:26	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:26	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 17:26	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 17:26	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 17:26	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 17:26	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 17:26	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 17:26	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 17:26	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 17:26	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 17:26	1

Client Sample ID: 6142-PZ-1

Date Collected: 04/24/13 13:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 17:26	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:26	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 17:26	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 17:26	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 17:26	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 17:26	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 17:26	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 17:26	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 17:26	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 17:26	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 17:26	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 17:26	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 17:26	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:26	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 17:26	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 17:26	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 17:26	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 17:26	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 17:26	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 17:26	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:26	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 17:26	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:26	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/06/13 17:26	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 17:26	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 17:26	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 17:26	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/06/13 17:26	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 17:26	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 17:26	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*05/06/13 17:26*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*		*05/06/13 17:26*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/06/13 17:26*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/06/13 17:26*	*1*

Client Sample ID: 6142-MW-2

Date Collected: 04/24/13 14:35
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 17:49	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 17:49	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 17:49	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 17:49	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 17:49	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 17:49	1

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: 6142-MW-2
Date Collected: 04/24/13 14:35
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 17:49	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 17:49	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 17:49	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 17:49	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:49	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 17:49	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 17:49	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 17:49	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 17:49	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 17:49	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 17:49	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:49	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 17:49	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:49	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 17:49	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 17:49	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 17:49	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 17:49	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 17:49	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 17:49	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 17:49	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 17:49	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 17:49	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 17:49	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:49	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 17:49	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 17:49	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 17:49	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 17:49	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 17:49	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 17:49	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 17:49	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 17:49	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 17:49	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 17:49	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 17:49	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:49	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 17:49	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 17:49	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 17:49	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 17:49	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 17:49	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 17:49	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 17:49	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 17:49	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 17:49	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/06/13 17:49	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 17:49	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 17:49	1

Client Sample ID: 6142-MW-2
Date Collected: 04/24/13 14:35
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 17:49	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/06/13 17:49	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 17:49	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 17:49	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*		*05/06/13 17:49*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*05/06/13 17:49*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*05/06/13 17:49*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/06/13 17:49*	*1*

Client Sample ID: 6142-MW-5
Date Collected: 04/24/13 15:25
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 18:11	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 18:11	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 18:11	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 18:11	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 18:11	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 18:11	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 18:11	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 18:11	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 18:11	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 18:11	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:11	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 18:11	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 18:11	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 18:11	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 18:11	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 18:11	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 18:11	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:11	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 18:11	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:11	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 18:11	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 18:11	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 18:11	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 18:11	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 18:11	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 18:11	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 18:11	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 18:11	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 18:11	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 18:11	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:11	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 18:11	1

Client Sample ID: 6142-MW-5
Date Collected: 04/24/13 15:25
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 18:11	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 18:11	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 18:11	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 18:11	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 18:11	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 18:11	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 18:11	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 18:11	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 18:11	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 18:11	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:11	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 18:11	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 18:11	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 18:11	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 18:11	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 18:11	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 18:11	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:11	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 18:11	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:11	1
Tetrachloroethene	31		1.0	0.17	ug/L			05/06/13 18:11	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 18:11	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 18:11	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 18:11	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/06/13 18:11	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 18:11	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 18:11	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 125*		*05/06/13 18:11*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*05/06/13 18:11*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*05/06/13 18:11*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/06/13 18:11*	*1*

Client Sample ID: 6142-MW-3
Date Collected: 04/24/13 16:20
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 18:34	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 18:34	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 18:34	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 18:34	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 18:34	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 18:34	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 18:34	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 18:34	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 18:34	1

Client Sample ID: 6142-MW-3
Date Collected: 04/24/13 16:20
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 18:34	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:34	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 18:34	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 18:34	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 18:34	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 18:34	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 18:34	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 18:34	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:34	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 18:34	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:34	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 18:34	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 18:34	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 18:34	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 18:34	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 18:34	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 18:34	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 18:34	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 18:34	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 18:34	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 18:34	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:34	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 18:34	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 18:34	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 18:34	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 18:34	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 18:34	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 18:34	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 18:34	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 18:34	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 18:34	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 18:34	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 18:34	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:34	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 18:34	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 18:34	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 18:34	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 18:34	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 18:34	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 18:34	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:34	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 18:34	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:34	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/06/13 18:34	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 18:34	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 18:34	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 18:34	1
Trichloroethene	0.31	J	0.50	0.19	ug/L			05/06/13 18:34	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 18:34	1

Client Sample ID: 6142-MW-3
Date Collected: 04/24/13 16:20
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 18:34	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*75 - 125*		*05/06/13 18:34*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 120*		*05/06/13 18:34*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/06/13 18:34*	*1*
Toluene-d8 (Surr)	*111*		*75 - 120*		*05/06/13 18:34*	*1*

Client Sample ID: 6142-MW-1
Date Collected: 04/24/13 17:15
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 18:57	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 18:57	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 18:57	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 18:57	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 18:57	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 18:57	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 18:57	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 18:57	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 18:57	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 18:57	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:57	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 18:57	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 18:57	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 18:57	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 18:57	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 18:57	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 18:57	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:57	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 18:57	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:57	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 18:57	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 18:57	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 18:57	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 18:57	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 18:57	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 18:57	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 18:57	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 18:57	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 18:57	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 18:57	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:57	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 18:57	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 18:57	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 18:57	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 18:57	1

Client Sample ID: 6142-MW-1
Date Collected: 04/24/13 17:15
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 18:57	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 18:57	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 18:57	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 18:57	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 18:57	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 18:57	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 18:57	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:57	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 18:57	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 18:57	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 18:57	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 18:57	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 18:57	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 18:57	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 18:57	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 18:57	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 18:57	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/06/13 18:57	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 18:57	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 18:57	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 18:57	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/06/13 18:57	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 18:57	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 18:57	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*05/06/13 18:57*	*1*
4-Bromofluorobenzene (Surr)	*82*		*75 - 120*		*05/06/13 18:57*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*05/06/13 18:57*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/06/13 18:57*	*1*

Client Sample ID: 6142-MW-7
Date Collected: 04/25/13 13:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-9
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/07/13 23:43	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/07/13 23:43	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/07/13 23:43	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/07/13 23:43	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/07/13 23:43	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/07/13 23:43	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/07/13 23:43	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/07/13 23:43	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/07/13 23:43	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/07/13 23:43	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:43	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/07/13 23:43	1

Client Sample ID: 6142-MW-7
Date Collected: 04/25/13 13:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-9
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/07/13 23:43	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/07/13 23:43	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/07/13 23:43	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/07/13 23:43	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/07/13 23:43	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/07/13 23:43	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/07/13 23:43	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/07/13 23:43	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/07/13 23:43	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/07/13 23:43	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/07/13 23:43	1
Benzene	<0.074		0.50	0.074	ug/L			05/07/13 23:43	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/07/13 23:43	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/07/13 23:43	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/07/13 23:43	1
Bromoform	<0.28		1.0	0.28	ug/L			05/07/13 23:43	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/07/13 23:43	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/07/13 23:43	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:43	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/07/13 23:43	1
Chloroform	<0.20		1.0	0.20	ug/L			05/07/13 23:43	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/07/13 23:43	1
cis-1,2-Dichloroethene	**50**		1.0	0.12	ug/L			05/07/13 23:43	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/07/13 23:43	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/07/13 23:43	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/07/13 23:43	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/07/13 23:43	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/07/13 23:43	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/07/13 23:43	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/07/13 23:43	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:43	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/07/13 23:43	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/07/13 23:43	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/07/13 23:43	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/07/13 23:43	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/07/13 23:43	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/07/13 23:43	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/07/13 23:43	1
Styrene	<0.10		1.0	0.10	ug/L			05/07/13 23:43	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:43	1
Tetrachloroethene	**110**		1.0	0.17	ug/L			05/07/13 23:43	1
Toluene	<0.11		0.50	0.11	ug/L			05/07/13 23:43	1
trans-1,2-Dichloroethene	**2.9**		1.0	0.25	ug/L			05/07/13 23:43	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/07/13 23:43	1
Trichloroethene	**16**		0.50	0.19	ug/L			05/07/13 23:43	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/07/13 23:43	1
Vinyl chloride	**4.1**		0.50	0.10	ug/L			05/07/13 23:43	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/07/13 23:43	1

Client Sample ID: 6142-MW-7

Date Collected: 04/25/13 13:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-9
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 125*		*05/07/13 23:43*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*05/07/13 23:43*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/07/13 23:43*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/07/13 23:43*	*1*

Client Sample ID: 6142-MW-6

Date Collected: 04/25/13 14:15
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/08/13 00:07	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/08/13 00:07	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/08/13 00:07	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 00:07	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/08/13 00:07	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/08/13 00:07	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/08/13 00:07	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/08/13 00:07	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/08/13 00:07	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/08/13 00:07	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:07	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/08/13 00:07	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/08/13 00:07	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/08/13 00:07	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 00:07	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/08/13 00:07	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/08/13 00:07	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 00:07	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/08/13 00:07	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 00:07	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/08/13 00:07	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/08/13 00:07	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/08/13 00:07	1
Benzene	<0.074		0.50	0.074	ug/L			05/08/13 00:07	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/08/13 00:07	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/08/13 00:07	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/08/13 00:07	1
Bromoform	<0.28		1.0	0.28	ug/L			05/08/13 00:07	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/08/13 00:07	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/08/13 00:07	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:07	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/08/13 00:07	1
Chloroform	<0.20		1.0	0.20	ug/L			05/08/13 00:07	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/08/13 00:07	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.12	ug/L			05/08/13 00:07	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/08/13 00:07	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/08/13 00:07	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/08/13 00:07	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/08/13 00:07	1

Client Sample ID: 6142-MW-6

Date Collected: 04/25/13 14:15
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/08/13 00:07	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/08/13 00:07	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/08/13 00:07	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:07	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/08/13 00:07	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/08/13 00:07	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/08/13 00:07	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 00:07	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 00:07	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/08/13 00:07	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/08/13 00:07	1
Styrene	<0.10		1.0	0.10	ug/L			05/08/13 00:07	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:07	1
Toluene	<0.11		0.50	0.11	ug/L			05/08/13 00:07	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/08/13 00:07	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/08/13 00:07	1
Trichloroethene	9.0		0.50	0.19	ug/L			05/08/13 00:07	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/08/13 00:07	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/08/13 00:07	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/08/13 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*		*05/08/13 00:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/08/13 00:07*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/08/13 00:07*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/13 00:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	510		10	1.7	ug/L			05/08/13 00:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 125*		*05/08/13 00:31*	*10*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/08/13 00:31*	*10*
Dibromofluoromethane	*102*		*75 - 120*		*05/08/13 00:31*	*10*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/13 00:31*	*10*

Client Sample ID: 6142-EB

Date Collected: 04/25/13 14:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/08/13 00:56	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/08/13 00:56	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/08/13 00:56	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 00:56	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/08/13 00:56	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/08/13 00:56	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/08/13 00:56	1

Client Sample ID: 6142-EB
Date Collected: 04/25/13 14:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/08/13 00:56	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/08/13 00:56	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/08/13 00:56	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:56	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/08/13 00:56	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/08/13 00:56	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/08/13 00:56	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 00:56	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/08/13 00:56	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/08/13 00:56	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 00:56	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/08/13 00:56	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 00:56	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/08/13 00:56	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/08/13 00:56	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/08/13 00:56	1
Benzene	<0.074		0.50	0.074	ug/L			05/08/13 00:56	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/08/13 00:56	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/08/13 00:56	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/08/13 00:56	1
Bromoform	<0.28		1.0	0.28	ug/L			05/08/13 00:56	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/08/13 00:56	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/08/13 00:56	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:56	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/08/13 00:56	1
Chloroform	<0.20		1.0	0.20	ug/L			05/08/13 00:56	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/08/13 00:56	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/08/13 00:56	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/08/13 00:56	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/08/13 00:56	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/08/13 00:56	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/08/13 00:56	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/08/13 00:56	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/08/13 00:56	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/08/13 00:56	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:56	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/08/13 00:56	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/08/13 00:56	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/08/13 00:56	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 00:56	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 00:56	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/08/13 00:56	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/08/13 00:56	1
Styrene	<0.10		1.0	0.10	ug/L			05/08/13 00:56	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 00:56	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/08/13 00:56	1
Toluene	<0.11		0.50	0.11	ug/L			05/08/13 00:56	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/08/13 00:56	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/08/13 00:56	1

Client Sample ID: 6142-EB

Date Collected: 04/25/13 14:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.6		0.50	0.19	ug/L			05/08/13 00:56	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/08/13 00:56	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/08/13 00:56	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/08/13 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 125*		*05/08/13 00:56*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*05/08/13 00:56*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/08/13 00:56*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/08/13 00:56*	*1*

Client Sample ID: 6142-DUP-1

Date Collected: 04/25/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-12
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/08/13 01:20	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/08/13 01:20	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/08/13 01:20	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 01:20	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/08/13 01:20	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/08/13 01:20	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/08/13 01:20	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/08/13 01:20	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/08/13 01:20	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/08/13 01:20	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 01:20	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/08/13 01:20	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/08/13 01:20	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/08/13 01:20	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 01:20	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/08/13 01:20	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/08/13 01:20	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 01:20	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/08/13 01:20	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 01:20	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/08/13 01:20	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/08/13 01:20	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/08/13 01:20	1
Benzene	<0.074		0.50	0.074	ug/L			05/08/13 01:20	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/08/13 01:20	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/08/13 01:20	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/08/13 01:20	1
Bromoform	<0.28		1.0	0.28	ug/L			05/08/13 01:20	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/08/13 01:20	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/08/13 01:20	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/08/13 01:20	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/08/13 01:20	1
Chloroform	<0.20		1.0	0.20	ug/L			05/08/13 01:20	1

Client Sample ID: 6142-DUP-1
Date Collected: 04/25/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-12
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<0.18		1.0	0.18	ug/L			05/08/13 01:20	1
cis-1,2-Dichloroethene	3.6		1.0	0.12	ug/L			05/08/13 01:20	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/08/13 01:20	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/08/13 01:20	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/08/13 01:20	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/08/13 01:20	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/08/13 01:20	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/08/13 01:20	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/08/13 01:20	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 01:20	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/08/13 01:20	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/08/13 01:20	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/08/13 01:20	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 01:20	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 01:20	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/08/13 01:20	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/08/13 01:20	1
Styrene	<0.10		1.0	0.10	ug/L			05/08/13 01:20	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 01:20	1
Toluene	<0.11		0.50	0.11	ug/L			05/08/13 01:20	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/08/13 01:20	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/08/13 01:20	1
Trichloroethene	8.9		0.50	0.19	ug/L			05/08/13 01:20	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/08/13 01:20	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/08/13 01:20	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/08/13 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*		*05/08/13 01:20*	*1*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*		*05/08/13 01:20*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/08/13 01:20*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/13 01:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	540		10	1.7	ug/L			05/08/13 01:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 125*		*05/08/13 01:45*	*10*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*05/08/13 01:45*	*10*
Dibromofluoromethane	*102*		*75 - 120*		*05/08/13 01:45*	*10*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/08/13 01:45*	*10*

Client Sample ID: Trip Blank
Date Collected: 04/24/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/08/13 02:09	1

Client Sample ID: Trip Blank
Date Collected: 04/24/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/08/13 02:09	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/08/13 02:09	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 02:09	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/08/13 02:09	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/08/13 02:09	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/08/13 02:09	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/08/13 02:09	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/08/13 02:09	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/08/13 02:09	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 02:09	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/08/13 02:09	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/08/13 02:09	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/08/13 02:09	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/08/13 02:09	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/08/13 02:09	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/08/13 02:09	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 02:09	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/08/13 02:09	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/08/13 02:09	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/08/13 02:09	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/08/13 02:09	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/08/13 02:09	1
Benzene	<0.074		0.50	0.074	ug/L			05/08/13 02:09	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/08/13 02:09	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/08/13 02:09	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/08/13 02:09	1
Bromoform	<0.28		1.0	0.28	ug/L			05/08/13 02:09	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/08/13 02:09	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/08/13 02:09	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/08/13 02:09	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/08/13 02:09	1
Chloroform	<0.20		1.0	0.20	ug/L			05/08/13 02:09	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/08/13 02:09	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/08/13 02:09	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/08/13 02:09	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/08/13 02:09	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/08/13 02:09	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/08/13 02:09	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/08/13 02:09	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/08/13 02:09	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/08/13 02:09	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 02:09	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/08/13 02:09	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/08/13 02:09	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/08/13 02:09	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 02:09	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/08/13 02:09	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/08/13 02:09	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/08/13 02:09	1

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: Trip Blank
Date Collected: 04/24/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.10		1.0	0.10	ug/L			05/08/13 02:09	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/08/13 02:09	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/08/13 02:09	1
Toluene	<0.11		0.50	0.11	ug/L			05/08/13 02:09	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/08/13 02:09	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/08/13 02:09	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/08/13 02:09	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/08/13 02:09	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/08/13 02:09	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/08/13 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*		*05/08/13 02:09*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*05/08/13 02:09*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/08/13 02:09*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/08/13 02:09*	*1*

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.

Glossary

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

GC/MS VOA

Analysis Batch: 185256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-56497-1	6142-Potable Well (Bail)	Total/NA	Ground Water	8260B	
500-56497-2	6142-Potable Well (Faucet)	Total/NA	Ground Water	8260B	
500-56497-3	6142-MW-4	Total/NA	Ground Water	8260B	
500-56497-4	6142-PZ-1	Total/NA	Ground Water	8260B	
500-56497-5	6142-MW-2	Total/NA	Ground Water	8260B	
500-56497-6	6142-MW-5	Total/NA	Ground Water	8260B	
500-56497-7	6142-MW-3	Total/NA	Ground Water	8260B	
500-56497-8	6142-MW-1	Total/NA	Ground Water	8260B	
LCS 500-185256/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-185256/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 185451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-56497-9	6142-MW-7	Total/NA	Ground Water	8260B	
500-56497-10	6142-MW-6	Total/NA	Ground Water	8260B	
500-56497-10 - DL	6142-MW-6	Total/NA	Ground Water	8260B	
500-56497-11	6142-EB	Total/NA	Water	8260B	
500-56497-12	6142-DUP-1	Total/NA	Ground Water	8260B	
500-56497-12 - DL	6142-DUP-1	Total/NA	Ground Water	8260B	
500-56497-13	Trip Blank	Total/NA	Water	8260B	
LCS 500-185451/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-185451/6	Method Blank	Total/NA	Water	8260B	

Surrogate Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

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

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	BFB (75-120)	DBFM (75-120)	TOL (75-120)
500-56497-1	6142-Potable Well (Bail)	107	96	94	100
500-56497-2	6142-Potable Well (Faucet)	107	94	95	98
500-56497-3	6142-MW-4	105	90	92	97
500-56497-4	6142-PZ-1	107	95	96	99
500-56497-5	6142-MW-2	106	89	93	95
500-56497-6	6142-MW-5	108	93	95	99
500-56497-7	6142-MW-3	121	105	107	111
500-56497-8	6142-MW-1	107	82	94	94
500-56497-9	6142-MW-7	112	97	101	96
500-56497-10	6142-MW-6	110	96	102	97
500-56497-10 - DL	6142-MW-6	113	96	102	97
500-56497-12	6142-DUP-1	109	94	100	96
500-56497-12 - DL	6142-DUP-1	111	93	102	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	BFB (75-120)	DBFM (75-120)	TOL (75-120)
500-56497-11	6142-EB	112	96	101	98
500-56497-13	Trip Blank	110	93	101	97
LCS 500-185256/4	Lab Control Sample	100	96	95	98
LCS 500-185451/4	Lab Control Sample	112	98	102	98
MB 500-185256/6	Method Blank	101	95	90	97
MB 500-185451/6	Method Blank	114	97	101	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-185256/6
Matrix: Water
Analysis Batch: 185256

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/06/13 10:11	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/06/13 10:11	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/06/13 10:11	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 10:11	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/06/13 10:11	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/06/13 10:11	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/06/13 10:11	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/06/13 10:11	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/06/13 10:11	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/06/13 10:11	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 10:11	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/06/13 10:11	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/06/13 10:11	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/06/13 10:11	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/06/13 10:11	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/06/13 10:11	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/06/13 10:11	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 10:11	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/06/13 10:11	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/06/13 10:11	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/06/13 10:11	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/06/13 10:11	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/06/13 10:11	1
Benzene	<0.074		0.50	0.074	ug/L			05/06/13 10:11	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/06/13 10:11	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/06/13 10:11	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/06/13 10:11	1
Bromoform	<0.28		1.0	0.28	ug/L			05/06/13 10:11	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/06/13 10:11	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/06/13 10:11	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/06/13 10:11	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/06/13 10:11	1
Chloroform	<0.20		1.0	0.20	ug/L			05/06/13 10:11	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/06/13 10:11	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/06/13 10:11	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/06/13 10:11	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/06/13 10:11	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/06/13 10:11	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/06/13 10:11	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/06/13 10:11	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/06/13 10:11	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/06/13 10:11	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 10:11	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/06/13 10:11	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/06/13 10:11	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/06/13 10:11	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 10:11	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/06/13 10:11	1

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

Lab Sample ID: MB 500-185256/6
Matrix: Water
Analysis Batch: 185256

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/06/13 10:11	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/06/13 10:11	1
Styrene	<0.10		1.0	0.10	ug/L			05/06/13 10:11	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/06/13 10:11	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/06/13 10:11	1
Toluene	<0.11		0.50	0.11	ug/L			05/06/13 10:11	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/06/13 10:11	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/06/13 10:11	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/06/13 10:11	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/06/13 10:11	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/06/13 10:11	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/06/13 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*05/06/13 10:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*		*05/06/13 10:11*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*05/06/13 10:11*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/06/13 10:11*	*1*

Lab Sample ID: LCS 500-185256/4
Matrix: Water
Analysis Batch: 185256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	46.2		ug/L		92	75 - 120
1,1,1-Trichloroethane	50.0	45.8		ug/L		92	70 - 123
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 128
1,1,2-Trichloroethane	50.0	49.2		ug/L		98	69 - 120
1,1-Dichloroethane	50.0	47.6		ug/L		95	68 - 121
1,1-Dichloroethene	50.0	43.3		ug/L		87	58 - 122
1,1-Dichloropropene	50.0	46.2		ug/L		92	70 - 120
1,2,3-Trichlorobenzene	50.0	47.6		ug/L		95	56 - 137
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	70 - 120
1,2,4-Trichlorobenzene	50.0	44.4		ug/L		89	65 - 121
1,2,4-Trimethylbenzene	50.0	49.5		ug/L		99	75 - 121
1,2-Dibromo-3-Chloropropane	50.0	49.7		ug/L		99	60 - 121
1,2-Dibromoethane	50.0	48.9		ug/L		98	70 - 120
1,2-Dichlorobenzene	50.0	45.1		ug/L		90	75 - 120
1,2-Dichloroethane	50.0	48.9		ug/L		98	69 - 120
1,2-Dichloropropane	50.0	50.3		ug/L		101	70 - 120
1,3,5-Trimethylbenzene	50.0	50.9		ug/L		102	75 - 123
1,3-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 120
1,3-Dichloropropane	50.0	50.3		ug/L		101	70 - 120
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	75 - 120
2,2-Dichloropropane	50.0	39.9		ug/L		80	67 - 125
2-Chlorotoluene	50.0	47.6		ug/L		95	70 - 120
4-Chlorotoluene	50.0	46.9		ug/L		94	70 - 120
Benzene	50.0	48.0		ug/L		96	70 - 120

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

Lab Sample ID: LCS 500-185256/4
Matrix: Water
Analysis Batch: 185256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	51.9		ug/L		104	70 - 120
Bromochloromethane	50.0	44.7		ug/L		89	67 - 122
Bromodichloromethane	50.0	46.8		ug/L		94	70 - 120
Bromoform	50.0	46.7		ug/L		93	70 - 125
Bromomethane	50.0	43.8		ug/L		88	50 - 150
Carbon tetrachloride	50.0	44.8		ug/L		90	70 - 125
Chlorobenzene	50.0	45.4		ug/L		91	70 - 120
Chloroethane	50.0	45.3		ug/L		91	50 - 150
Chloroform	50.0	48.0		ug/L		96	70 - 120
Chloromethane	50.0	36.8		ug/L		74	50 - 134
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 120
cis-1,3-Dichloropropene	53.8	52.0		ug/L		97	70 - 120
Dibromochloromethane	50.0	47.7		ug/L		95	70 - 120
Dibromomethane	50.0	45.5		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	25.4		ug/L		51	40 - 140
Ethylbenzene	50.0	48.1		ug/L		96	75 - 120
Hexachlorobutadiene	50.0	44.1		ug/L		88	65 - 135
Isopropylbenzene	50.0	45.8		ug/L		92	70 - 120
Methyl tert-butyl ether	50.0	45.4		ug/L		91	58 - 122
Methylene Chloride	50.0	43.7		ug/L		87	65 - 125
Naphthalene	50.0	48.4		ug/L		97	55 - 132
n-Butylbenzene	50.0	47.4		ug/L		95	75 - 120
N-Propylbenzene	50.0	46.1		ug/L		92	70 - 120
p-Isopropyltoluene	50.0	44.6		ug/L		89	70 - 120
sec-Butylbenzene	50.0	44.1		ug/L		88	70 - 120
Styrene	50.0	47.7		ug/L		95	75 - 120
tert-Butylbenzene	50.0	45.0		ug/L		90	70 - 120
Tetrachloroethene	50.0	47.4		ug/L		95	70 - 123
Toluene	50.0	49.6		ug/L		99	70 - 120
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 124
trans-1,3-Dichloropropene	48.6	47.9		ug/L		98	70 - 120
Trichloroethene	50.0	46.0		ug/L		92	70 - 120
Trichlorofluoromethane	50.0	50.4		ug/L		101	63 - 134
Vinyl chloride	50.0	40.2		ug/L		80	62 - 138
Xylenes, Total	150	139		ug/L		93	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: MB 500-185451/6
Matrix: Water
Analysis Batch: 185451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			05/07/13 23:18	1

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

Lab Sample ID: MB 500-185451/6
Matrix: Water
Analysis Batch: 185451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			05/07/13 23:18	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			05/07/13 23:18	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			05/07/13 23:18	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			05/07/13 23:18	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			05/07/13 23:18	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			05/07/13 23:18	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			05/07/13 23:18	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			05/07/13 23:18	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/07/13 23:18	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:18	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			05/07/13 23:18	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			05/07/13 23:18	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			05/07/13 23:18	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			05/07/13 23:18	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			05/07/13 23:18	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			05/07/13 23:18	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/07/13 23:18	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			05/07/13 23:18	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			05/07/13 23:18	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			05/07/13 23:18	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			05/07/13 23:18	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			05/07/13 23:18	1
Benzene	<0.074		0.50	0.074	ug/L			05/07/13 23:18	1
Bromobenzene	<0.25		1.0	0.25	ug/L			05/07/13 23:18	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			05/07/13 23:18	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			05/07/13 23:18	1
Bromoform	<0.28		1.0	0.28	ug/L			05/07/13 23:18	1
Bromomethane	<0.31		1.0	0.31	ug/L			05/07/13 23:18	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			05/07/13 23:18	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:18	1
Chloroethane	<0.34		1.0	0.34	ug/L			05/07/13 23:18	1
Chloroform	<0.20		1.0	0.20	ug/L			05/07/13 23:18	1
Chloromethane	<0.18		1.0	0.18	ug/L			05/07/13 23:18	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			05/07/13 23:18	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			05/07/13 23:18	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/07/13 23:18	1
Dibromomethane	<0.33		1.0	0.33	ug/L			05/07/13 23:18	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			05/07/13 23:18	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			05/07/13 23:18	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			05/07/13 23:18	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			05/07/13 23:18	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:18	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			05/07/13 23:18	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			05/07/13 23:18	1
Naphthalene	<0.16		1.0	0.16	ug/L			05/07/13 23:18	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			05/07/13 23:18	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			05/07/13 23:18	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			05/07/13 23:18	1

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

Lab Sample ID: MB 500-185451/6
Matrix: Water
Analysis Batch: 185451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			05/07/13 23:18	1
Styrene	<0.10		1.0	0.10	ug/L			05/07/13 23:18	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			05/07/13 23:18	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			05/07/13 23:18	1
Toluene	<0.11		0.50	0.11	ug/L			05/07/13 23:18	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			05/07/13 23:18	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			05/07/13 23:18	1
Trichloroethene	<0.19		0.50	0.19	ug/L			05/07/13 23:18	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			05/07/13 23:18	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			05/07/13 23:18	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			05/07/13 23:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 125*		*05/07/13 23:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*05/07/13 23:18*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/07/13 23:18*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/07/13 23:18*	*1*

Lab Sample ID: LCS 500-185451/4
Matrix: Water
Analysis Batch: 185451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.8		ug/L		106	75 - 120
1,1,1-Trichloroethane	50.0	54.7		ug/L		109	70 - 123
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/L		99	70 - 128
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	69 - 120
1,1-Dichloroethane	50.0	52.1		ug/L		104	68 - 121
1,1-Dichloroethene	50.0	45.5		ug/L		91	58 - 122
1,1-Dichloropropene	50.0	54.4		ug/L		109	70 - 120
1,2,3-Trichlorobenzene	50.0	51.9		ug/L		104	56 - 137
1,2,3-Trichloropropane	50.0	53.8		ug/L		108	70 - 120
1,2,4-Trichlorobenzene	50.0	51.4		ug/L		103	65 - 121
1,2,4-Trimethylbenzene	50.0	54.8		ug/L		110	75 - 121
1,2-Dibromo-3-Chloropropane	50.0	54.1		ug/L		108	60 - 121
1,2-Dibromoethane	50.0	50.4		ug/L		101	70 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	75 - 120
1,2-Dichloroethane	50.0	57.5		ug/L		115	69 - 120
1,2-Dichloropropane	50.0	52.7		ug/L		105	70 - 120
1,3,5-Trimethylbenzene	50.0	55.7		ug/L		111	75 - 123
1,3-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 120
1,3-Dichloropropane	50.0	50.9		ug/L		102	70 - 120
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	75 - 120
2,2-Dichloropropane	50.0	53.1		ug/L		106	67 - 125
2-Chlorotoluene	50.0	53.7		ug/L		107	70 - 120
4-Chlorotoluene	50.0	54.2		ug/L		108	70 - 120
Benzene	50.0	50.4		ug/L		101	70 - 120
Bromobenzene	50.0	53.5		ug/L		107	70 - 120

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

Lab Sample ID: LCS 500-185451/4
Matrix: Water
Analysis Batch: 185451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromochloromethane	50.0	50.9		ug/L		102	67 - 122
Bromodichloromethane	50.0	53.5		ug/L		107	70 - 120
Bromoform	50.0	50.6		ug/L		101	70 - 125
Bromomethane	50.0	56.9		ug/L		114	50 - 150
Carbon tetrachloride	50.0	53.5		ug/L		107	70 - 125
Chlorobenzene	50.0	49.4		ug/L		99	70 - 120
Chloroethane	50.0	59.7		ug/L		119	50 - 150
Chloroform	50.0	54.2		ug/L		108	70 - 120
Chloromethane	50.0	53.2		ug/L		106	50 - 134
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 120
cis-1,3-Dichloropropene	50.0	55.4		ug/L		111	70 - 120
Dibromochloromethane	50.0	52.2		ug/L		104	70 - 120
Dibromomethane	50.0	51.6		ug/L		103	70 - 120
Dichlorodifluoromethane	50.0	66.9		ug/L		134	40 - 140
Ethylbenzene	50.0	51.5		ug/L		103	75 - 120
Hexachlorobutadiene	50.0	51.4		ug/L		103	65 - 135
Isopropylbenzene	50.0	54.9		ug/L		110	70 - 120
Methyl tert-butyl ether	50.0	53.3		ug/L		107	58 - 122
Methylene Chloride	50.0	50.5		ug/L		101	65 - 125
Naphthalene	50.0	53.4		ug/L		107	55 - 132
n-Butylbenzene	50.0	51.7		ug/L		103	75 - 120
N-Propylbenzene	50.0	54.5		ug/L		109	70 - 120
p-Isopropyltoluene	50.0	54.5		ug/L		109	70 - 120
sec-Butylbenzene	50.0	53.5		ug/L		107	70 - 120
Styrene	50.0	53.1		ug/L		106	75 - 120
tert-Butylbenzene	50.0	55.4		ug/L		111	70 - 120
Tetrachloroethene	50.0	48.8		ug/L		98	70 - 123
Toluene	50.0	50.5		ug/L		101	70 - 120
trans-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 124
trans-1,3-Dichloropropene	50.0	60.0		ug/L		120	70 - 120
Trichloroethene	50.0	50.8		ug/L		102	70 - 120
Trichlorofluoromethane	50.0	57.9		ug/L		116	63 - 134
Vinyl chloride	50.0	53.4		ug/L		107	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 125*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*
Dibromofluoromethane	*102*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Chronicle

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: 6142-Potable Well (Bail)

Lab Sample ID: 500-56497-1

Date Collected: 04/24/13 10:50
Date Received: 04/30/13 09:50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 16:17	BDA	TAL CHI

Client Sample ID: 6142-Potable Well (Faucet)

Lab Sample ID: 500-56497-2

Date Collected: 04/24/13 11:00
Date Received: 04/30/13 09:50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 16:40	BDA	TAL CHI

Client Sample ID: 6142-MW-4

Lab Sample ID: 500-56497-3

Date Collected: 04/24/13 12:00
Date Received: 04/30/13 09:50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 17:03	BDA	TAL CHI

Client Sample ID: 6142-PZ-1

Lab Sample ID: 500-56497-4

Date Collected: 04/24/13 13:00
Date Received: 04/30/13 09:50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 17:26	BDA	TAL CHI

Client Sample ID: 6142-MW-2

Lab Sample ID: 500-56497-5

Date Collected: 04/24/13 14:35
Date Received: 04/30/13 09:50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 17:49	BDA	TAL CHI

Client Sample ID: 6142-MW-5

Lab Sample ID: 500-56497-6

Date Collected: 04/24/13 15:25
Date Received: 04/30/13 09:50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 18:11	BDA	TAL CHI

Lab Chronicle

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: 6142-MW-3

Date Collected: 04/24/13 16:20
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 18:34	BDA	TAL CHI

Client Sample ID: 6142-MW-1

Date Collected: 04/24/13 17:15
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185256	05/06/13 18:57	BDA	TAL CHI

Client Sample ID: 6142-MW-7

Date Collected: 04/25/13 13:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185451	05/07/13 23:43	BDA	TAL CHI

Client Sample ID: 6142-MW-6

Date Collected: 04/25/13 14:15
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185451	05/08/13 00:07	BDA	TAL CHI
Total/NA	Analysis	8260B	DL	10	185451	05/08/13 00:31	BDA	TAL CHI

Client Sample ID: 6142-EB

Date Collected: 04/25/13 14:30
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185451	05/08/13 00:56	BDA	TAL CHI

Client Sample ID: 6142-DUP-1

Date Collected: 04/25/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-12
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185451	05/08/13 01:20	BDA	TAL CHI
Total/NA	Analysis	8260B	DL	10	185451	05/08/13 01:45	BDA	TAL CHI

Lab Chronicle

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Client Sample ID: Trip Blank
Date Collected: 04/24/13 00:00
Date Received: 04/30/13 09:50

Lab Sample ID: 500-56497-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	185451	05/08/13 02:09	BDA	TAL CHI

Laboratory References:

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

Certification Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-56497-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	05-31-13
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	05-31-13 *
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	05-31-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAP	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

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

Chicago

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

500-56497 COC 60484
)0 fax 708.534.5363

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Wayne Fassbender	Site Contact: Jason Blasdel	Date: 4/29/13	COC No:
EnviroForensics	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
N16 W23390 Stoneridge Drive	Analysis Turnaround Time			For Lab Use Only:
Waukesha, WI 53188	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(317) 614-0586 Phone	TAT if different from Below _____			Lab Sampling:
(847) 842-1470 FAX	☑ 2 weeks			Job / SDG No.: 500-56497
Project Name: OHM Elm Grove	☐ 1 week			
Site: 6142	☐ 2 days			Sampler:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260 - VOCs	Sample Specific Notes:
1 6142 - Potable Well (Bail)	4/24/13	1050	G	GW	3	N	N	X	
2 6142 - Potable Well (Faucet)	4/24/13	1100	G	GW	3	N	N	X	
3 6142 - MW-4	4/24/13	1200	G	GW	3	N	N	X	
4 6142 - PZ-1	4/24/13	1300	G	GW	3	N	N	X	
5 6142 - MW-2	4/24/13	1435	G	GW	3	N	N	X	
6 6142 - MW-5	4/24/13	1525	G	GW	3	N	N	X	
7 6142 - MW-3	4/24/13	1620	G	GW	3	N	N	X	
8 6142 - MW-1	4/24/13	1715	G	GW	3	N	N	X	
9 6142 - MW-7	4/25/13	1330	G	GW	3	N	N	X	
10 6142 - MW-6	4/25/13	1415	G	GW	3	N	N	X	
11 6142 - EB	4/25/13	1430	G	W	3	N	N	X	
12 6142 - DUP-1	—	—	G	GW	3	N		X	

Preservation Used: 1= Ice, (2=HCl) 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
13-Trip Blank (added by TA)

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jason Blasdel	EFI	4/29/13		TA	4/30/13 0950
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

5/8/2013

Login Sample Receipt Checklist

Client: Environmental Forensic Investigation Inc

Job Number: 500-56497-1

Login Number: 56497
List Number: 1
Creator: Lunt, Jeff T

List Source: TestAmerica Chicago

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	0.7
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").	False	See narrative
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-58900-1
Client Project/Site: OHM Elm Grove - 6142

For:
Environmental Forensic Investigation Inc
N16 W23390 Stone Ridge Drive
Suite G
Waukesha, Wisconsin 53188

Attn: Kyle Heimstead

Sandie Fredrick

Authorized for release by:
7/15/2013 11:51:48 AM

Sandie Fredrick, Project Manager I
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Job ID: 500-58900-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-58900-1

Comments
No additional comments.

Receipt
The samples were received on 7/9/2013 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.4° C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-MW-1 — Lab Sample ID: 500-58900-1

No Detections.

Client Sample ID: 6142-MW-2 — Lab Sample ID: 500-58900-2

No Detections.

Client Sample ID: 6142-MW-3 — Lab Sample ID: 500-58900-3

No Detections.

Client Sample ID: 6142-MW-4 — Lab Sample ID: 500-58900-4

No Detections.

Client Sample ID: 6142-MW-5 — Lab Sample ID: 500-58900-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	53		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-MW-6 — Lab Sample ID: 500-58900-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3		1.0	0.12	ug/L	1		8260B	Total/NA
Trichloroethene	6.8		0.50	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene - DL	510		10	1.7	ug/L	10		8260B	Total/NA

Client Sample ID: 6142-MW-7 — Lab Sample ID: 500-58900-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	72		1.0	0.12	ug/L	1		8260B	Total/NA
Tetrachloroethene	160		1.0	0.17	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.5		1.0	0.25	ug/L	1		8260B	Total/NA
Trichloroethene	31		0.50	0.19	ug/L	1		8260B	Total/NA
Vinyl chloride	2.1		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-PZ-1 — Lab Sample ID: 500-58900-8

No Detections.

Client Sample ID: 6142-Potable Well — Lab Sample ID: 500-58900-9

No Detections.

Client Sample ID: 6142-Dup-1 — Lab Sample ID: 500-58900-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	51		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: 6142-Field Blank — Lab Sample ID: 500-58900-11

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-Trip Blank — **Lab Sample ID: 500-58900-12**

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58900-1	6142-MW-1	Water	07/02/13 11:15	07/09/13 10:20
500-58900-2	6142-MW-2	Water	07/02/13 14:05	07/09/13 10:20
500-58900-3	6142-MW-3	Water	07/02/13 16:15	07/09/13 10:20
500-58900-4	6142-MW-4	Water	07/03/13 07:35	07/09/13 10:20
500-58900-5	6142-MW-5	Water	07/02/13 15:10	07/09/13 10:20
500-58900-6	6142-MW-6	Water	07/02/13 13:10	07/09/13 10:20
500-58900-7	6142-MW-7	Water	07/02/13 12:15	07/09/13 10:20
500-58900-8	6142-PZ-1	Water	07/03/13 08:45	07/09/13 10:20
500-58900-9	6142-Potable Well	Water	07/03/13 09:55	07/09/13 10:20
500-58900-10	6142-Dup-1	Water	07/02/13 00:00	07/09/13 10:20
500-58900-11	6142-Field Blank	Water	07/03/13 07:45	07/09/13 10:20
500-58900-12	6142-Trip Blank	Water	07/02/13 00:00	07/09/13 10:20

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-MW-1
Date Collected: 07/02/13 11:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 12:14	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 12:14	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 12:14	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 12:14	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 12:14	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 12:14	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 12:14	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 12:14	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 12:14	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 12:14	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:14	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 12:14	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 12:14	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 12:14	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 12:14	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 12:14	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 12:14	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 12:14	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 12:14	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 12:14	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 12:14	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 12:14	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 12:14	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 12:14	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 12:14	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 12:14	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 12:14	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 12:14	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 12:14	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 12:14	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:14	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 12:14	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 12:14	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 12:14	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 12:14	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 12:14	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 12:14	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 12:14	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 12:14	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 12:14	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 12:14	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 12:14	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:14	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 12:14	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 12:14	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 12:14	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 12:14	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 12:14	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 12:14	1

Client Sample ID: 6142-MW-1
Date Collected: 07/02/13 11:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 12:14	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 12:14	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:14	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 12:14	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 12:14	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 12:14	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 12:14	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 12:14	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 12:14	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 12:14	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 125*		*07/11/13 12:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*07/11/13 12:14*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*07/11/13 12:14*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/11/13 12:14*	*1*

Client Sample ID: 6142-MW-2
Date Collected: 07/02/13 14:05
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 12:38	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 12:38	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 12:38	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 12:38	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 12:38	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 12:38	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 12:38	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 12:38	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 12:38	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 12:38	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:38	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 12:38	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 12:38	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 12:38	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 12:38	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 12:38	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 12:38	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 12:38	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 12:38	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 12:38	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 12:38	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 12:38	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 12:38	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 12:38	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 12:38	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 12:38	1

Client Sample ID: 6142-MW-2
Date Collected: 07/02/13 14:05
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 12:38	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 12:38	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 12:38	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 12:38	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:38	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 12:38	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 12:38	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 12:38	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 12:38	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 12:38	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 12:38	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 12:38	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 12:38	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 12:38	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 12:38	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 12:38	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:38	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 12:38	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 12:38	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 12:38	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 12:38	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 12:38	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 12:38	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 12:38	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 12:38	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 12:38	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 12:38	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 12:38	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 12:38	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 12:38	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 12:38	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 12:38	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 12:38	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 125*		*07/11/13 12:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*07/11/13 12:38*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*07/11/13 12:38*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/11/13 12:38*	*1*

Client Sample ID: 6142-MW-3
Date Collected: 07/02/13 16:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 13:03	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 13:03	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 13:03	1

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-MW-3
Date Collected: 07/02/13 16:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 13:03	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 13:03	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 13:03	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 13:03	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 13:03	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 13:03	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 13:03	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:03	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 13:03	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 13:03	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 13:03	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 13:03	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 13:03	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 13:03	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:03	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 13:03	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:03	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 13:03	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 13:03	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 13:03	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 13:03	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 13:03	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 13:03	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 13:03	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 13:03	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 13:03	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 13:03	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:03	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 13:03	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 13:03	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 13:03	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 13:03	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 13:03	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 13:03	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 13:03	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 13:03	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 13:03	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 13:03	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 13:03	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:03	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 13:03	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 13:03	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 13:03	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 13:03	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 13:03	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 13:03	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:03	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 13:03	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:03	1

Client Sample ID: 6142-MW-3

Date Collected: 07/02/13 16:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 13:03	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 13:03	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 13:03	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 13:03	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 13:03	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 13:03	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 13:03	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 125*		*07/11/13 13:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*07/11/13 13:03*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*07/11/13 13:03*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*07/11/13 13:03*	*1*

Client Sample ID: 6142-MW-4

Date Collected: 07/03/13 07:35
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 13:28	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 13:28	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 13:28	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 13:28	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 13:28	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 13:28	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 13:28	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 13:28	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 13:28	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 13:28	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:28	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 13:28	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 13:28	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 13:28	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 13:28	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 13:28	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 13:28	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:28	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 13:28	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:28	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 13:28	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 13:28	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 13:28	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 13:28	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 13:28	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 13:28	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 13:28	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 13:28	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 13:28	1

Client Sample ID: 6142-MW-4
Date Collected: 07/03/13 07:35
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 13:28	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:28	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 13:28	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 13:28	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 13:28	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 13:28	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 13:28	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 13:28	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 13:28	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 13:28	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 13:28	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 13:28	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 13:28	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:28	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 13:28	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 13:28	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 13:28	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 13:28	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 13:28	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 13:28	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:28	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 13:28	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:28	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 13:28	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 13:28	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 13:28	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 13:28	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 13:28	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 13:28	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 13:28	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*		*07/11/13 13:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*07/11/13 13:28*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*07/11/13 13:28*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/11/13 13:28*	*1*

Client Sample ID: 6142-MW-5
Date Collected: 07/02/13 15:10
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 13:52	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 13:52	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 13:52	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 13:52	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 13:52	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 13:52	1

Client Sample ID: 6142-MW-5
Date Collected: 07/02/13 15:10
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 13:52	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 13:52	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 13:52	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 13:52	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:52	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 13:52	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 13:52	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 13:52	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 13:52	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 13:52	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 13:52	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:52	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 13:52	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:52	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 13:52	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 13:52	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 13:52	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 13:52	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 13:52	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 13:52	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 13:52	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 13:52	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 13:52	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 13:52	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:52	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 13:52	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 13:52	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 13:52	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 13:52	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 13:52	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 13:52	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 13:52	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 13:52	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 13:52	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 13:52	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 13:52	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:52	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 13:52	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 13:52	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 13:52	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 13:52	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 13:52	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 13:52	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 13:52	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 13:52	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 13:52	1
Tetrachloroethene	53		1.0	0.17	ug/L			07/11/13 13:52	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 13:52	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 13:52	1

Client Sample ID: 6142-MW-5
Date Collected: 07/02/13 15:10
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 13:52	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 13:52	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 13:52	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 13:52	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*		*07/11/13 13:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*07/11/13 13:52*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*07/11/13 13:52*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*07/11/13 13:52*	*1*

Client Sample ID: 6142-MW-6
Date Collected: 07/02/13 13:10
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 14:17	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 14:17	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 14:17	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 14:17	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 14:17	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 14:17	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 14:17	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 14:17	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 14:17	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 14:17	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 14:17	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 14:17	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 14:17	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 14:17	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 14:17	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 14:17	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 14:17	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 14:17	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 14:17	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 14:17	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 14:17	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 14:17	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 14:17	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 14:17	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 14:17	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 14:17	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 14:17	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 14:17	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 14:17	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 14:17	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 14:17	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 14:17	1

Client Sample ID: 6142-MW-6
Date Collected: 07/02/13 13:10
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 14:17	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 14:17	1
cis-1,2-Dichloroethene	2.3		1.0	0.12	ug/L			07/11/13 14:17	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 14:17	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 14:17	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 14:17	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 14:17	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 14:17	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 14:17	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 14:17	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 14:17	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 14:17	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 14:17	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 14:17	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 14:17	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 14:17	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 14:17	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 14:17	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 14:17	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 14:17	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 14:17	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 14:17	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 14:17	1
Trichloroethene	6.8		0.50	0.19	ug/L			07/11/13 14:17	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 14:17	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 14:17	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 125*		*07/11/13 14:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*07/11/13 14:17*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*07/11/13 14:17*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*07/11/13 14:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	510		10	1.7	ug/L			07/11/13 14:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*		*07/11/13 14:42*	*10*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*		*07/11/13 14:42*	*10*
Dibromofluoromethane	*89*		*75 - 120*		*07/11/13 14:42*	*10*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/11/13 14:42*	*10*

Client Sample ID: 6142-MW-7
Date Collected: 07/02/13 12:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 15:06	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 15:06	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 15:06	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 15:06	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 15:06	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 15:06	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 15:06	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 15:06	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 15:06	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 15:06	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:06	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 15:06	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 15:06	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 15:06	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 15:06	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 15:06	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 15:06	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:06	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 15:06	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:06	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 15:06	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 15:06	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 15:06	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 15:06	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 15:06	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 15:06	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 15:06	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 15:06	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 15:06	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 15:06	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:06	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 15:06	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 15:06	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 15:06	1
cis-1,2-Dichloroethene	72		1.0	0.12	ug/L			07/11/13 15:06	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 15:06	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 15:06	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 15:06	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 15:06	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 15:06	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 15:06	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 15:06	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:06	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 15:06	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 15:06	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 15:06	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 15:06	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 15:06	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 15:06	1

Client Sample ID: 6142-MW-7
Date Collected: 07/02/13 12:15
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:06	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 15:06	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:06	1
Tetrachloroethene	160		1.0	0.17	ug/L			07/11/13 15:06	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 15:06	1
trans-1,2-Dichloroethene	3.5		1.0	0.25	ug/L			07/11/13 15:06	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 15:06	1
Trichloroethene	31		0.50	0.19	ug/L			07/11/13 15:06	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 15:06	1
Vinyl chloride	2.1		0.50	0.10	ug/L			07/11/13 15:06	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*		*07/11/13 15:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*07/11/13 15:06*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*07/11/13 15:06*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*07/11/13 15:06*	*1*

Client Sample ID: 6142-PZ-1
Date Collected: 07/03/13 08:45
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 15:31	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 15:31	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 15:31	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 15:31	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 15:31	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 15:31	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 15:31	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 15:31	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 15:31	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 15:31	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:31	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 15:31	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 15:31	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 15:31	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 15:31	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 15:31	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 15:31	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:31	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 15:31	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:31	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 15:31	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 15:31	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 15:31	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 15:31	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 15:31	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 15:31	1

Client Sample ID: 6142-PZ-1
Date Collected: 07/03/13 08:45
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 15:31	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 15:31	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 15:31	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 15:31	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:31	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 15:31	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 15:31	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 15:31	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 15:31	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 15:31	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 15:31	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 15:31	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 15:31	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 15:31	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 15:31	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 15:31	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:31	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 15:31	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 15:31	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 15:31	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 15:31	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 15:31	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 15:31	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:31	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 15:31	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:31	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 15:31	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 15:31	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 15:31	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 15:31	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 15:31	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 15:31	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 15:31	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*		*07/11/13 15:31*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*07/11/13 15:31*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*07/11/13 15:31*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*07/11/13 15:31*	*1*

Client Sample ID: 6142-Potable Well
Date Collected: 07/03/13 09:55
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 15:56	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 15:56	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 15:56	1

Client Sample ID: 6142-Potable Well
Date Collected: 07/03/13 09:55
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 15:56	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 15:56	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 15:56	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 15:56	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 15:56	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 15:56	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 15:56	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:56	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 15:56	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 15:56	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 15:56	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 15:56	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 15:56	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 15:56	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:56	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 15:56	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:56	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 15:56	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 15:56	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 15:56	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 15:56	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 15:56	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 15:56	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 15:56	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 15:56	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 15:56	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 15:56	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:56	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 15:56	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 15:56	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 15:56	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 15:56	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 15:56	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 15:56	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 15:56	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 15:56	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 15:56	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 15:56	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 15:56	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:56	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 15:56	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 15:56	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 15:56	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 15:56	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 15:56	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 15:56	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 15:56	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 15:56	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 15:56	1

Client Sample ID: 6142-Potable Well

Lab Sample ID: 500-58900-9
Matrix: Water
Date Collected: 07/03/13 09:55
Date Received: 07/09/13 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 15:56	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 15:56	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 15:56	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 15:56	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 15:56	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 15:56	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 15:56	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*		*07/11/13 15:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*07/11/13 15:56*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*07/11/13 15:56*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*07/11/13 15:56*	*1*

Client Sample ID: 6142-Dup-1

Lab Sample ID: 500-58900-10
Matrix: Water
Date Collected: 07/02/13 00:00
Date Received: 07/09/13 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 16:20	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 16:20	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 16:20	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 16:20	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 16:20	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 16:20	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 16:20	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 16:20	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 16:20	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 16:20	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:20	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 16:20	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 16:20	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 16:20	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 16:20	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 16:20	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 16:20	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 16:20	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 16:20	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 16:20	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 16:20	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 16:20	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 16:20	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 16:20	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 16:20	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 16:20	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 16:20	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 16:20	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 16:20	1

Client Sample ID: 6142-Dup-1
Date Collected: 07/02/13 00:00
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 16:20	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:20	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 16:20	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 16:20	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 16:20	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 16:20	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 16:20	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 16:20	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 16:20	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 16:20	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 16:20	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 16:20	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 16:20	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:20	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 16:20	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 16:20	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 16:20	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 16:20	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 16:20	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 16:20	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 16:20	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 16:20	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:20	1
Tetrachloroethene	51		1.0	0.17	ug/L			07/11/13 16:20	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 16:20	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 16:20	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 16:20	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 16:20	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 16:20	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 16:20	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*		*07/11/13 16:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*07/11/13 16:20*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*07/11/13 16:20*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/11/13 16:20*	*1*

Client Sample ID: 6142-Field Blank
Date Collected: 07/03/13 07:45
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 16:45	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 16:45	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 16:45	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 16:45	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 16:45	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 16:45	1

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-Field Blank
Date Collected: 07/03/13 07:45
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 16:45	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 16:45	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 16:45	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 16:45	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:45	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 16:45	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 16:45	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 16:45	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 16:45	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 16:45	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 16:45	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 16:45	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 16:45	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 16:45	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 16:45	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 16:45	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 16:45	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 16:45	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 16:45	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 16:45	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 16:45	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 16:45	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 16:45	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 16:45	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:45	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 16:45	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 16:45	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 16:45	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 16:45	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 16:45	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 16:45	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 16:45	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 16:45	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 16:45	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 16:45	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 16:45	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:45	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 16:45	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 16:45	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 16:45	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 16:45	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 16:45	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 16:45	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 16:45	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 16:45	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 16:45	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 16:45	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 16:45	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 16:45	1

Client Sample ID: 6142-Field Blank
Date Collected: 07/03/13 07:45
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 16:45	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 16:45	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 16:45	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 16:45	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*07/11/13 16:45*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*		*07/11/13 16:45*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*07/11/13 16:45*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/11/13 16:45*	*1*

Client Sample ID: 6142-Trip Blank
Date Collected: 07/02/13 00:00
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 17:10	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 17:10	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 17:10	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 17:10	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 17:10	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 17:10	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 17:10	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 17:10	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 17:10	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 17:10	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 17:10	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 17:10	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 17:10	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 17:10	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 17:10	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 17:10	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 17:10	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 17:10	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 17:10	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 17:10	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 17:10	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 17:10	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 17:10	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 17:10	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 17:10	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 17:10	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 17:10	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 17:10	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 17:10	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 17:10	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 17:10	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 17:10	1

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-Trip Blank
Date Collected: 07/02/13 00:00
Date Received: 07/09/13 10:20

Lab Sample ID: 500-58900-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 17:10	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 17:10	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 17:10	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 17:10	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 17:10	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 17:10	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 17:10	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 17:10	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 17:10	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 17:10	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 17:10	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 17:10	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 17:10	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 17:10	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 17:10	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 17:10	1
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 17:10	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 17:10	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 17:10	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 17:10	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 17:10	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 17:10	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 17:10	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 17:10	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 17:10	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 17:10	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 17:10	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*		*07/11/13 17:10*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*		*07/11/13 17:10*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*07/11/13 17:10*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*07/11/13 17:10*	*1*

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)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

GC/MS VOA

Analysis Batch: 192828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58900-1	6142-MW-1	Total/NA	Water	8260B	
500-58900-2	6142-MW-2	Total/NA	Water	8260B	
500-58900-3	6142-MW-3	Total/NA	Water	8260B	
500-58900-4	6142-MW-4	Total/NA	Water	8260B	
500-58900-5	6142-MW-5	Total/NA	Water	8260B	
500-58900-6	6142-MW-6	Total/NA	Water	8260B	
500-58900-6 - DL	6142-MW-6	Total/NA	Water	8260B	
500-58900-7	6142-MW-7	Total/NA	Water	8260B	
500-58900-8	6142-PZ-1	Total/NA	Water	8260B	
500-58900-9	6142-Potable Well	Total/NA	Water	8260B	
500-58900-10	6142-Dup-1	Total/NA	Water	8260B	
500-58900-11	6142-Field Blank	Total/NA	Water	8260B	
500-58900-12	6142-Trip Blank	Total/NA	Water	8260B	
LCS 500-192828/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-192828/6	Method Blank	Total/NA	Water	8260B	

Surrogate Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	BFB (75-120)	DBFM (75-120)	TOL (75-120)
500-58900-1	6142-MW-1	89	96	90	96
500-58900-2	6142-MW-2	87	101	87	98
500-58900-3	6142-MW-3	87	101	89	97
500-58900-4	6142-MW-4	88	101	89	96
500-58900-5	6142-MW-5	90	100	90	97
500-58900-6	6142-MW-6	87	98	90	97
500-58900-6 - DL	6142-MW-6	92	103	89	98
500-58900-7	6142-MW-7	88	100	91	99
500-58900-8	6142-PZ-1	90	102	88	99
500-58900-9	6142-Potable Well	90	99	89	99
500-58900-10	6142-Dup-1	90	101	89	98
500-58900-11	6142-Field Blank	94	104	90	98
500-58900-12	6142-Trip Blank	91	104	89	99
LCS 500-192828/4	Lab Control Sample	88	94	92	103
MB 500-192828/6	Method Blank	90	102	92	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-192828/6
Matrix: Water
Analysis Batch: 192828

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.25		1.0	0.25	ug/L			07/11/13 10:35	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/L			07/11/13 10:35	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/L			07/11/13 10:35	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 10:35	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/L			07/11/13 10:35	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/L			07/11/13 10:35	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/L			07/11/13 10:35	1
1,2,3-Trichlorobenzene	<0.24		1.0	0.24	ug/L			07/11/13 10:35	1
1,2,3-Trichloropropane	<0.45		1.0	0.45	ug/L			07/11/13 10:35	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			07/11/13 10:35	1
1,2,4-Trimethylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 10:35	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/L			07/11/13 10:35	1
1,2-Dibromoethane	<0.36		1.0	0.36	ug/L			07/11/13 10:35	1
1,2-Dichlorobenzene	<0.27		1.0	0.27	ug/L			07/11/13 10:35	1
1,2-Dichloroethane	<0.28		1.0	0.28	ug/L			07/11/13 10:35	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			07/11/13 10:35	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			07/11/13 10:35	1
1,3-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 10:35	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/L			07/11/13 10:35	1
1,4-Dichlorobenzene	<0.15		1.0	0.15	ug/L			07/11/13 10:35	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/L			07/11/13 10:35	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/L			07/11/13 10:35	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/L			07/11/13 10:35	1
Benzene	<0.074		0.50	0.074	ug/L			07/11/13 10:35	1
Bromobenzene	<0.25		1.0	0.25	ug/L			07/11/13 10:35	1
Bromochloromethane	<0.40		1.0	0.40	ug/L			07/11/13 10:35	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			07/11/13 10:35	1
Bromoform	<0.28		1.0	0.28	ug/L			07/11/13 10:35	1
Bromomethane	<0.31		1.0	0.31	ug/L			07/11/13 10:35	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/L			07/11/13 10:35	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			07/11/13 10:35	1
Chloroethane	<0.34		1.0	0.34	ug/L			07/11/13 10:35	1
Chloroform	<0.20		1.0	0.20	ug/L			07/11/13 10:35	1
Chloromethane	<0.18		1.0	0.18	ug/L			07/11/13 10:35	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			07/11/13 10:35	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/L			07/11/13 10:35	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			07/11/13 10:35	1
Dibromomethane	<0.33		1.0	0.33	ug/L			07/11/13 10:35	1
Dichlorodifluoromethane	<0.20		1.0	0.20	ug/L			07/11/13 10:35	1
Ethylbenzene	<0.13		0.50	0.13	ug/L			07/11/13 10:35	1
Hexachlorobutadiene	<0.26		1.0	0.26	ug/L			07/11/13 10:35	1
Isopropyl ether	<0.15		1.0	0.15	ug/L			07/11/13 10:35	1
Isopropylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 10:35	1
Methyl tert-butyl ether	<0.24		1.0	0.24	ug/L			07/11/13 10:35	1
Methylene Chloride	<0.68		5.0	0.68	ug/L			07/11/13 10:35	1
Naphthalene	<0.16		1.0	0.16	ug/L			07/11/13 10:35	1
n-Butylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 10:35	1
N-Propylbenzene	<0.13		1.0	0.13	ug/L			07/11/13 10:35	1

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

Lab Sample ID: MB 500-192828/6
Matrix: Water
Analysis Batch: 192828

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.17		1.0	0.17	ug/L			07/11/13 10:35	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/L			07/11/13 10:35	1
Styrene	<0.10		1.0	0.10	ug/L			07/11/13 10:35	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/L			07/11/13 10:35	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			07/11/13 10:35	1
Toluene	<0.11		0.50	0.11	ug/L			07/11/13 10:35	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/L			07/11/13 10:35	1
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/L			07/11/13 10:35	1
Trichloroethene	<0.19		0.50	0.19	ug/L			07/11/13 10:35	1
Trichlorofluoromethane	<0.19		1.0	0.19	ug/L			07/11/13 10:35	1
Vinyl chloride	<0.10		0.50	0.10	ug/L			07/11/13 10:35	1
Xylenes, Total	<0.068		1.0	0.068	ug/L			07/11/13 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*		*07/11/13 10:35*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*07/11/13 10:35*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*07/11/13 10:35*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/11/13 10:35*	*1*

Lab Sample ID: LCS 500-192828/4
Matrix: Water
Analysis Batch: 192828

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/L		105	75 - 120
1,1,1-Trichloroethane	50.0	48.7		ug/L		97	70 - 123
1,1,2,2-Tetrachloroethane	50.0	46.2		ug/L		92	70 - 128
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	69 - 120
1,1-Dichloroethane	50.0	41.3		ug/L		83	68 - 121
1,1-Dichloroethene	50.0	42.9		ug/L		86	58 - 122
1,1-Dichloropropene	50.0	47.8		ug/L		96	70 - 120
1,2,3-Trichlorobenzene	50.0	42.8		ug/L		86	56 - 137
1,2,3-Trichloropropane	50.0	48.1		ug/L		96	70 - 120
1,2,4-Trichlorobenzene	50.0	45.7		ug/L		91	65 - 121
1,2,4-Trimethylbenzene	50.0	52.5		ug/L		105	75 - 121
1,2-Dibromo-3-Chloropropane	50.0	44.2		ug/L		88	60 - 121
1,2-Dibromoethane	50.0	49.5		ug/L		99	70 - 120
1,2-Dichlorobenzene	50.0	50.6		ug/L		101	75 - 120
1,2-Dichloroethane	50.0	44.0		ug/L		88	69 - 120
1,2-Dichloropropane	50.0	45.6		ug/L		91	70 - 120
1,3,5-Trimethylbenzene	50.0	54.1		ug/L		108	75 - 123
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 120
1,3-Dichloropropane	50.0	48.3		ug/L		97	70 - 120
1,4-Dichlorobenzene	50.0	51.2		ug/L		102	75 - 120
2,2-Dichloropropane	50.0	53.4		ug/L		107	67 - 125
2-Chlorotoluene	50.0	52.9		ug/L		106	70 - 120
4-Chlorotoluene	50.0	52.9		ug/L		106	70 - 120
Benzene	50.0	45.8		ug/L		92	70 - 120

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

Lab Sample ID: LCS 500-192828/4
Matrix: Water
Analysis Batch: 192828

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	54.9		ug/L		110	70 - 120
Bromochloromethane	50.0	45.1		ug/L		90	67 - 122
Bromodichloromethane	50.0	51.7		ug/L		103	70 - 120
Bromoform	50.0	49.0		ug/L		98	70 - 125
Bromomethane	50.0	48.9		ug/L		98	50 - 150
Carbon tetrachloride	50.0	49.4		ug/L		99	70 - 125
Chlorobenzene	50.0	50.7		ug/L		101	70 - 120
Chloroethane	50.0	39.2		ug/L		78	50 - 150
Chloroform	50.0	45.6		ug/L		91	70 - 120
Chloromethane	50.0	49.4		ug/L		99	50 - 134
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 120
cis-1,3-Dichloropropene	50.0	56.0		ug/L		112	70 - 120
Dibromochloromethane	50.0	54.1		ug/L		108	70 - 120
Dibromomethane	50.0	45.0		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	58.8		ug/L		118	40 - 140
Ethylbenzene	50.0	52.6		ug/L		105	75 - 120
Hexachlorobutadiene	50.0	50.5		ug/L		101	65 - 135
Isopropylbenzene	50.0	55.1		ug/L		110	70 - 120
Methyl tert-butyl ether	50.0	37.0		ug/L		74	58 - 122
Methylene Chloride	50.0	40.3		ug/L		81	65 - 125
Naphthalene	50.0	41.4		ug/L		83	55 - 132
n-Butylbenzene	50.0	53.6		ug/L		107	75 - 120
N-Propylbenzene	50.0	54.9		ug/L		110	70 - 120
p-Isopropyltoluene	50.0	54.5		ug/L		109	70 - 120
sec-Butylbenzene	50.0	54.1		ug/L		108	70 - 120
Styrene	50.0	50.5		ug/L		101	75 - 120
tert-Butylbenzene	50.0	55.4		ug/L		111	70 - 120
Tetrachloroethene	50.0	57.7		ug/L		115	70 - 123
Toluene	50.0	54.1		ug/L		108	70 - 120
trans-1,2-Dichloroethene	50.0	44.5		ug/L		89	70 - 124
trans-1,3-Dichloropropene	50.0	55.3		ug/L		111	70 - 120
Trichloroethene	50.0	52.1		ug/L		104	70 - 120
Trichlorofluoromethane	50.0	53.4		ug/L		107	63 - 134
Vinyl chloride	50.0	45.0		ug/L		90	62 - 138
Xylenes, Total	100	102		ug/L		102	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*
Dibromofluoromethane	*92*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Chronicle

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-MW-1

Lab Sample ID: 500-58900-1

Date Collected: 07/02/13 11:15
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 12:14	BDA	TAL CHI

Client Sample ID: 6142-MW-2

Lab Sample ID: 500-58900-2

Date Collected: 07/02/13 14:05
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 12:38	BDA	TAL CHI

Client Sample ID: 6142-MW-3

Lab Sample ID: 500-58900-3

Date Collected: 07/02/13 16:15
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 13:03	BDA	TAL CHI

Client Sample ID: 6142-MW-4

Lab Sample ID: 500-58900-4

Date Collected: 07/03/13 07:35
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 13:28	BDA	TAL CHI

Client Sample ID: 6142-MW-5

Lab Sample ID: 500-58900-5

Date Collected: 07/02/13 15:10
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 13:52	BDA	TAL CHI

Client Sample ID: 6142-MW-6

Lab Sample ID: 500-58900-6

Date Collected: 07/02/13 13:10
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 14:17	BDA	TAL CHI
Total/NA	Analysis	8260B	DL	10	192828	07/11/13 14:42	BDA	TAL CHI

Lab Chronicle

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Client Sample ID: 6142-MW-7

Lab Sample ID: 500-58900-7

Date Collected: 07/02/13 12:15
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 15:06	BDA	TAL CHI

Client Sample ID: 6142-PZ-1

Lab Sample ID: 500-58900-8

Date Collected: 07/03/13 08:45
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 15:31	BDA	TAL CHI

Client Sample ID: 6142-Potable Well

Lab Sample ID: 500-58900-9

Date Collected: 07/03/13 09:55
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 15:56	BDA	TAL CHI

Client Sample ID: 6142-Dup-1

Lab Sample ID: 500-58900-10

Date Collected: 07/02/13 00:00
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 16:20	BDA	TAL CHI

Client Sample ID: 6142-Field Blank

Lab Sample ID: 500-58900-11

Date Collected: 07/03/13 07:45
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 16:45	BDA	TAL CHI

Client Sample ID: 6142-Trip Blank

Lab Sample ID: 500-58900-12

Date Collected: 07/02/13 00:00
Matrix: Water
Date Received: 07/09/13 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192828	07/11/13 17:10	BDA	TAL CHI

Laboratory References:

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

Certification Summary

Client: Environmental Forensic Investigation Inc
Project/Site: OHM Elm Grove - 6142

TestAmerica Job ID: 500-58900-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534.

500-58900 COC

Chain of Custody Record

Lab Job #: 500-58900

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 5.4

(optional)

Report To
Contact:
Company: EnviroForensics
Address: N16 W23390 Stone Ridge Dr Suite G
Address: Waukesha WI 53188
Phone: 317-972-7870
Fax:
E-Mail: kheimstead@enviroforensics.c

(optional)

Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: EnviroForensics
Client Project #: 6142
Project Name: CHM - Elm Grove
Project Location/State: Elm Grove WI
Lab Project #:
Sampler: K. Heimstead
Lab PM:

Preservative
Parameter

VOC by 8260

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC by 8260	Comments
1		6142-MW-1	7/2/13	1115	3	W	X	
2		6142-MW-2	7/2/13	1405	3	W	X	
3		6142-MW-3	7/2/13	1615	3	W	X	
4		6142-MW-4	7/3/13	735	3	W	X	
5		6142-MW-5	7/2/13	1510		W	X	
6		6142-MW-6	7/2/13	1310	3	W	X	
7		6142-MW-7	7/2/13	1215	3	W	X	
8		6142-PZ-1	7/3/13	845	3	W	X	
9		6142-Potable well	7/3/13	955	3	W	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	EFI	7/8/13		[signature]	TA-CHT	7/9/13	1020
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped Fed-X
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

7/15/2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-58900

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 5.4

(optional) Report To		(optional) Bill To	
Contact:		Contact:	
Company:	EnviroForensics	Company:	Suite A
Address:	N16 W23390 Stone Ridge Dr	Address:	
Address:	Waukesha WI 53188	Address:	
Phone:	317-972-7870	Phone:	
Fax:		Fax:	
E-Mail:	khemstead@enviroforensics.com	PO#/Reference#	

Client	Client Project #	Preservative
EnviroForensics	6142	
Project Name		Parameter
OH17 - Elm Grove		VOC by 8260
Project Location/State	Lab Project #	
Elm Grove WI		
Sampler	Lab PM	
K. Hemstead		

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC by 8260	Comments
10		6142-Dup-1	7/2/13		3	W	x	
11		6142-Field Blank	7/3/13	745	3	W	x	
12		6142-Trip Blank			2	W		

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	EFI	7/8/13	900	[signature]	TA-Colt	7/9/13	1020
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped FedEx
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: Environmental Forensic Investigation Inc

Job Number: 500-58900-1

Login Number: 58900

List Number: 1

Creator: Scott, Sherri L

List Source: TestAmerica Chicago

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	5.4
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	

ATTACHMENT 6

SOIL GAS ANALYTICAL REPORT

Pace Analytical®
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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

May 03, 2013

Wayne Fassbender
EnviroForensics
N16 W23390 Stone Ridge Dr.
Waukesha, WI 53188

RE: Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Dear Wayne Fassbender:
Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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(612)607-1700

CERTIFICATIONS

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10225620001	3142-SG-3	Air	04/12/13 11:15	04/17/13 10:00
10225620002	3142-SG-4	Air	04/12/13 11:20	04/17/13 10:00

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SAMPLE ANALYTE COUNT

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10225620001	**3142-SG-3**	TO-15	DR1	61
10225620002	**3142-SG-4**	TO-15	DR1	61

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ANALYTICAL RESULTS

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Sample: 3142-SG-3 **Lab ID: 10225620001** Collected: 04/12/13 11:15 Received: 04/17/13 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	ND	ug/m3	21.0	43.8		05/02/13 06:57	67-64-1	
Benzene	ND	ug/m3	14.2	43.8		05/02/13 06:57	71-43-2	
Benzyl chloride	ND	ug/m3	46.0	43.8		05/02/13 06:57	100-44-7	
Bromodichloromethane	ND	ug/m3	59.6	43.8		05/02/13 06:57	75-27-4	
Bromoform	ND	ug/m3	92.0	43.8		05/02/13 06:57	75-25-2	
Bromomethane	ND	ug/m3	34.6	43.8		05/02/13 06:57	74-83-9	
1,3-Butadiene	ND	ug/m3	19.7	43.8		05/02/13 06:57	106-99-0	
2-Butanone (MEK)	ND	ug/m3	26.3	43.8		05/02/13 06:57	78-93-3	
Carbon disulfide	ND	ug/m3	27.6	43.8		05/02/13 06:57	75-15-0	
Carbon tetrachloride	ND	ug/m3	28.0	43.8		05/02/13 06:57	56-23-5	
Chlorobenzene	ND	ug/m3	41.2	43.8		05/02/13 06:57	108-90-7	
Chloroethane	ND	ug/m3	23.7	43.8		05/02/13 06:57	75-00-3	
Chloroform	ND	ug/m3	43.4	43.8		05/02/13 06:57	67-66-3	
Chloromethane	ND	ug/m3	18.4	43.8		05/02/13 06:57	74-87-3	
Cyclohexane	ND	ug/m3	30.7	43.8		05/02/13 06:57	110-82-7	
Dibromochloromethane	ND	ug/m3	75.8	43.8		05/02/13 06:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	68.3	43.8		05/02/13 06:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	53.4	43.8		05/02/13 06:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	53.4	43.8		05/02/13 06:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	53.4	43.8		05/02/13 06:57	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	44.2	43.8		05/02/13 06:57	75-71-8	
1,1-Dichloroethane	ND	ug/m3	35.9	43.8		05/02/13 06:57	75-34-3	
1,2-Dichloroethane	ND	ug/m3	18.0	43.8		05/02/13 06:57	107-06-2	
1,1-Dichloroethene	ND	ug/m3	35.5	43.8		05/02/13 06:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	35.5	43.8		05/02/13 06:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	35.5	43.8		05/02/13 06:57	156-60-5	
1,2-Dichloropropane	ND	ug/m3	41.2	43.8		05/02/13 06:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	40.3	43.8		05/02/13 06:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	40.3	43.8		05/02/13 06:57	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	62.2	43.8		05/02/13 06:57	76-14-2	
Ethanol	ND	ug/m3	16.6	43.8		05/02/13 06:57	64-17-5	
Ethyl acetate	ND	ug/m3	32.0	43.8		05/02/13 06:57	141-78-6	
Ethylbenzene	ND	ug/m3	38.5	43.8		05/02/13 06:57	100-41-4	
4-Ethyltoluene	ND	ug/m3	43.8	43.8		05/02/13 06:57	622-96-8	
n-Heptane	ND	ug/m3	36.4	43.8		05/02/13 06:57	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	96.4	43.8		05/02/13 06:57	87-68-3	
n-Hexane	ND	ug/m3	31.5	43.8		05/02/13 06:57	110-54-3	
2-Hexanone	ND	ug/m3	36.4	43.8		05/02/13 06:57	591-78-6	
Methylene Chloride	ND	ug/m3	31.1	43.8		05/02/13 06:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	36.4	43.8		05/02/13 06:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	32.0	43.8		05/02/13 06:57	1634-04-4	
Naphthalene	ND	ug/m3	46.9	43.8		05/02/13 06:57	91-20-3	
2-Propanol	ND	ug/m3	21.9	43.8		05/02/13 06:57	67-63-0	
Propylene	ND	ug/m3	15.3	43.8		05/02/13 06:57	115-07-1	
Styrene	ND	ug/m3	38.1	43.8		05/02/13 06:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	30.6	43.8		05/02/13 06:57	79-34-5	
Tetrachloroethene	**8130**	ug/m3	30.2	43.8		05/02/13 06:57	127-18-4	

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(612)607-1700

ANALYTICAL RESULTS

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Sample: 3142-SG-3 **Lab ID: 10225620001** Collected: 04/12/13 11:15 Received: 04/17/13 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	26.3	43.8		05/02/13 06:57	109-99-9	
Toluene	ND	ug/m3	33.7	43.8		05/02/13 06:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	66.1	43.8		05/02/13 06:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	48.6	43.8		05/02/13 06:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	24.1	43.8		05/02/13 06:57	79-00-5	
Trichloroethene	**82.6**	ug/m3	24.1	43.8		05/02/13 06:57	79-01-6	
Trichlorofluoromethane	ND	ug/m3	49.9	43.8		05/02/13 06:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	70.1	43.8		05/02/13 06:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	43.8	43.8		05/02/13 06:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	43.8	43.8		05/02/13 06:57	108-67-8	
Vinyl acetate	ND	ug/m3	31.4	43.8		05/02/13 06:57	108-05-4	
Vinyl chloride	ND	ug/m3	11.4	43.8		05/02/13 06:57	75-01-4	
m&p-Xylene	ND	ug/m3	77.1	43.8		05/02/13 06:57	179601-23-1	
o-Xylene	ND	ug/m3	38.5	43.8		05/02/13 06:57	95-47-6	

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ANALYTICAL RESULTS

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Sample: 3142-SG-4 **Lab ID: 10225620002** Collected: 04/12/13 11:20 Received: 04/17/13 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**17.0**	ug/m3	1.8	3.68		05/03/13 10:13	67-64-1	
Benzene	**2.9**	ug/m3	1.2	3.68		05/03/13 10:13	71-43-2	
Benzyl chloride	ND	ug/m3	3.9	3.68		05/03/13 10:13	100-44-7	
Bromodichloromethane	ND	ug/m3	5.0	3.68		05/03/13 10:13	75-27-4	
Bromoform	ND	ug/m3	7.7	3.68		05/03/13 10:13	75-25-2	
Bromomethane	ND	ug/m3	2.9	3.68		05/03/13 10:13	74-83-9	
1,3-Butadiene	ND	ug/m3	1.7	3.68		05/03/13 10:13	106-99-0	
2-Butanone (MEK)	ND	ug/m3	2.2	3.68		05/03/13 10:13	78-93-3	
Carbon disulfide	ND	ug/m3	2.3	3.68		05/03/13 10:13	75-15-0	SS
Carbon tetrachloride	ND	ug/m3	2.4	3.68		05/03/13 10:13	56-23-5	
Chlorobenzene	ND	ug/m3	3.5	3.68		05/03/13 10:13	108-90-7	
Chloroethane	ND	ug/m3	2.0	3.68		05/03/13 10:13	75-00-3	
Chloroform	ND	ug/m3	3.6	3.68		05/03/13 10:13	67-66-3	
Chloromethane	ND	ug/m3	1.5	3.68		05/03/13 10:13	74-87-3	
Cyclohexane	ND	ug/m3	2.6	3.68		05/03/13 10:13	110-82-7	
Dibromochloromethane	ND	ug/m3	6.4	3.68		05/03/13 10:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	5.7	3.68		05/03/13 10:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	4.5	3.68		05/03/13 10:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	4.5	3.68		05/03/13 10:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.5	3.68		05/03/13 10:13	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	3.7	3.68		05/03/13 10:13	75-71-8	
1,1-Dichloroethane	ND	ug/m3	3.0	3.68		05/03/13 10:13	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.5	3.68		05/03/13 10:13	107-06-2	
1,1-Dichloroethene	ND	ug/m3	3.0	3.68		05/03/13 10:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	3.0	3.68		05/03/13 10:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	3.0	3.68		05/03/13 10:13	156-60-5	
1,2-Dichloropropane	ND	ug/m3	3.5	3.68		05/03/13 10:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	3.4	3.68		05/03/13 10:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.4	3.68		05/03/13 10:13	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	5.2	3.68		05/03/13 10:13	76-14-2	
Ethanol	**8.0**	ug/m3	1.4	3.68		05/03/13 10:13	64-17-5	
Ethyl acetate	ND	ug/m3	2.7	3.68		05/03/13 10:13	141-78-6	
Ethylbenzene	ND	ug/m3	3.2	3.68		05/03/13 10:13	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.7	3.68		05/03/13 10:13	622-96-8	
n-Heptane	ND	ug/m3	3.1	3.68		05/03/13 10:13	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.1	3.68		05/03/13 10:13	87-68-3	SS
n-Hexane	**22.1**	ug/m3	2.6	3.68		05/03/13 10:13	110-54-3	
2-Hexanone	ND	ug/m3	3.1	3.68		05/03/13 10:13	591-78-6	
Methylene Chloride	**245**	ug/m3	2.6	3.68		05/03/13 10:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	3.1	3.68		05/03/13 10:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	2.7	3.68		05/03/13 10:13	1634-04-4	
Naphthalene	ND	ug/m3	3.9	3.68		05/03/13 10:13	91-20-3	
2-Propanol	**3.6**	ug/m3	1.8	3.68		05/03/13 10:13	67-63-0	
Propylene	ND	ug/m3	1.3	3.68		05/03/13 10:13	115-07-1	
Styrene	ND	ug/m3	3.2	3.68		05/03/13 10:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.6	3.68		05/03/13 10:13	79-34-5	
Tetrachloroethene	**4.7**	ug/m3	2.5	3.68		05/03/13 10:13	127-18-4	

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ANALYTICAL RESULTS

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Sample: 3142-SG-4 **Lab ID: 10225620002** Collected: 04/12/13 11:20 Received: 04/17/13 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	2.2	3.68		05/03/13 10:13	109-99-9	
Toluene	**4.6**	ug/m3	2.8	3.68		05/03/13 10:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	3.68		05/03/13 10:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	4.1	3.68		05/03/13 10:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	2.0	3.68		05/03/13 10:13	79-00-5	
Trichloroethene	ND	ug/m3	2.0	3.68		05/03/13 10:13	79-01-6	
Trichlorofluoromethane	ND	ug/m3	4.2	3.68		05/03/13 10:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	5.9	3.68		05/03/13 10:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.7	3.68		05/03/13 10:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.7	3.68		05/03/13 10:13	108-67-8	
Vinyl acetate	ND	ug/m3	2.6	3.68		05/03/13 10:13	108-05-4	
Vinyl chloride	ND	ug/m3	0.96	3.68		05/03/13 10:13	75-01-4	
m&p-Xylene	ND	ug/m3	6.5	3.68		05/03/13 10:13	179601-23-1	
o-Xylene	ND	ug/m3	3.2	3.68		05/03/13 10:13	95-47-6	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

QC Batch: AIR/17252
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10225620001

METHOD BLANK: 1420637
Matrix: Air
Associated Lab Samples: 10225620001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/01/13 19:57	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	05/01/13 19:57	
1,1,2-Trichloroethane	ug/m3	ND	0.55	05/01/13 19:57	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/01/13 19:57	
1,1-Dichloroethane	ug/m3	ND	0.82	05/01/13 19:57	
1,1-Dichloroethene	ug/m3	ND	0.81	05/01/13 19:57	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	05/01/13 19:57	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	05/01/13 19:57	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/01/13 19:57	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/01/13 19:57	
1,2-Dichloroethane	ug/m3	ND	0.41	05/01/13 19:57	
1,2-Dichloropropane	ug/m3	ND	0.94	05/01/13 19:57	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	05/01/13 19:57	
1,3-Butadiene	ug/m3	ND	0.45	05/01/13 19:57	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/01/13 19:57	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/01/13 19:57	
2-Butanone (MEK)	ug/m3	ND	0.60	05/01/13 19:57	
2-Hexanone	ug/m3	ND	0.83	05/01/13 19:57	
2-Propanol	ug/m3	ND	0.50	05/01/13 19:57	
4-Ethyltoluene	ug/m3	ND	1.0	05/01/13 19:57	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/01/13 19:57	
Acetone	ug/m3	ND	0.48	05/01/13 19:57	
Benzene	ug/m3	ND	0.32	05/01/13 19:57	
Benzyl chloride	ug/m3	ND	1.0	05/01/13 19:57	
Bromodichloromethane	ug/m3	ND	1.4	05/01/13 19:57	
Bromoform	ug/m3	ND	2.1	05/01/13 19:57	
Bromomethane	ug/m3	ND	0.79	05/01/13 19:57	
Carbon disulfide	ug/m3	ND	0.63	05/01/13 19:57	
Carbon tetrachloride	ug/m3	ND	0.64	05/01/13 19:57	
Chlorobenzene	ug/m3	ND	0.94	05/01/13 19:57	
Chloroethane	ug/m3	ND	0.54	05/01/13 19:57	
Chloroform	ug/m3	ND	0.99	05/01/13 19:57	
Chloromethane	ug/m3	ND	0.42	05/01/13 19:57	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/01/13 19:57	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/01/13 19:57	
Cyclohexane	ug/m3	ND	0.70	05/01/13 19:57	
Dibromochloromethane	ug/m3	ND	1.7	05/01/13 19:57	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/01/13 19:57	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/01/13 19:57	
Ethanol	ug/m3	ND	0.38	05/01/13 19:57	
Ethyl acetate	ug/m3	ND	0.73	05/01/13 19:57	
Ethylbenzene	ug/m3	ND	0.88	05/01/13 19:57	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/01/13 19:57	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

METHOD BLANK: 1420637 Matrix: Air

Associated Lab Samples: 10225620001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	05/01/13 19:57	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/01/13 19:57	
Methylene Chloride	ug/m3	ND	0.71	05/01/13 19:57	
n-Heptane	ug/m3	ND	0.83	05/01/13 19:57	
n-Hexane	ug/m3	ND	0.72	05/01/13 19:57	
Naphthalene	ug/m3	ND	1.1	05/01/13 19:57	
o-Xylene	ug/m3	ND	0.88	05/01/13 19:57	
Propylene	ug/m3	ND	0.35	05/01/13 19:57	
Styrene	ug/m3	ND	0.87	05/01/13 19:57	
Tetrachloroethene	ug/m3	ND	0.69	05/01/13 19:57	
Tetrahydrofuran	ug/m3	ND	0.60	05/01/13 19:57	
Toluene	ug/m3	ND	0.77	05/01/13 19:57	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/01/13 19:57	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/01/13 19:57	
Trichloroethene	ug/m3	ND	0.55	05/01/13 19:57	
Trichlorofluoromethane	ug/m3	ND	1.1	05/01/13 19:57	
Vinyl acetate	ug/m3	ND	0.72	05/01/13 19:57	
Vinyl chloride	ug/m3	ND	0.26	05/01/13 19:57	

LABORATORY CONTROL SAMPLE: 1420638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.0	103	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	69.0	99	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	55.6	100	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	72.1	93	65-130	
1,1-Dichloroethane	ug/m3	41.2	40.4	98	66-131	
1,1-Dichloroethene	ug/m3	40.3	40.0	99	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	64.9	86	30-150	SS
1,2,4-Trimethylbenzene	ug/m3	50	48.8	98	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	74.4	95	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	57.8	95	68-148	
1,2-Dichloroethane	ug/m3	41.2	42.4	103	66-136	
1,2-Dichloropropane	ug/m3	47	45.7	97	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	48.5	97	69-136	
1,3-Butadiene	ug/m3	22.5	22.6	101	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	57.5	94	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	56.8	93	66-134	
2-Butanone (MEK)	ug/m3	30	31.0	103	69-141	
2-Hexanone	ug/m3	41.7	40.7	98	74-132	
2-Propanol	ug/m3	25	28.8	115	64-139	
4-Ethyltoluene	ug/m3	50	48.5	97	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	39.9	96	74-131	
Acetone	ug/m3	24.2	25.0	104	62-142	
Benzene	ug/m3	32.5	32.6	100	72-136	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

LABORATORY CONTROL SAMPLE: 1420638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	50.0	95	70-134	
Bromodichloromethane	ug/m3	68.2	69.2	102	69-135	
Bromoform	ug/m3	105	100	96	72-133	
Bromomethane	ug/m3	39.5	37.9	96	65-125	
Carbon disulfide	ug/m3	31.7	30.1	95	68-127	
Carbon tetrachloride	ug/m3	64	64.9	101	64-133	
Chlorobenzene	ug/m3	46.8	48.7	104	65-135	
Chloroethane	ug/m3	26.8	25.3	94	63-129	
Chloroform	ug/m3	49.7	48.7	98	66-129	
Chloromethane	ug/m3	21	21.1	100	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	39.9	99	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	44.0	95	75-137	
Cyclohexane	ug/m3	35	34.0	97	73-139	
Dibromochloromethane	ug/m3	86.6	85.6	99	73-130	
Dichlorodifluoromethane	ug/m3	50.3	46.6	93	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	67.7	95	64-131	
Ethanol	ug/m3	19.2	17.4	91	62-134	
Ethyl acetate	ug/m3	36.6	36.3	99	73-136	
Ethylbenzene	ug/m3	44.2	43.6	99	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	92.6	85	30-150	SS
m&p-Xylene	ug/m3	44.2	44.1	100	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	41.4	113	71-134	
Methylene Chloride	ug/m3	35.3	30.4	86	59-140	
n-Heptane	ug/m3	41.7	39.5	95	73-136	
n-Hexane	ug/m3	35.8	34.3	96	67-136	
Naphthalene	ug/m3	53.3	51.5	97	30-150	SS
o-Xylene	ug/m3	44.2	43.7	99	74-135	
Propylene	ug/m3	17.5	16.5	95	66-138	
Styrene	ug/m3	43.3	41.2	95	73-135	
Tetrachloroethene	ug/m3	69	66.9	97	66-135	
Tetrahydrofuran	ug/m3	30	30.4	101	73-130	
Toluene	ug/m3	38.3	36.1	94	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	39.2	97	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	43.9	95	75-129	
Trichloroethene	ug/m3	54.6	51.6	94	68-134	
Trichlorofluoromethane	ug/m3	57.1	52.1	91	61-134	
Vinyl acetate	ug/m3	35.8	36.3	101	70-139	
Vinyl chloride	ug/m3	26	27.1	104	64-134	

SAMPLE DUPLICATE: 1421114

Parameter	Units	10225751005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

SAMPLE DUPLICATE: 1421114

Parameter	Units	10225751005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	31.8	35.0	10	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	6.3	6.1	3	25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	4.1	4.1	.5	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	5.2	5.8	11	25	
4-Ethyltoluene	ug/m3	10.7	11.4	7	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	13.8	15.1	9	25	
Benzene	ug/m3	1.2	1.4	15	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	2.6	2.8	7	25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	2.0	2.2	10	25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.1	2.3	9	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	8.5	9.5	11	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	9.8	10.9	11	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	53.0	58.8	10	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	2.3	2.6	10	25	
n-Hexane	ug/m3	1.4	1.7	22	25	
Naphthalene	ug/m3	1.8	1.5	20	25	SS
o-Xylene	ug/m3	14.7	16.2	10	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	1.3	ND		25	
Tetrachloroethene	ug/m3	14.9	16.9	13	25	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

SAMPLE DUPLICATE: 1421114

Parameter	Units	10225751005 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	24.7	27.2	10	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.3J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

QC Batch: AIR/17264
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10225620002

METHOD BLANK: 1421521
Matrix: Air
Associated Lab Samples: 10225620002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/02/13 18:12	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	05/02/13 18:12	
1,1,2-Trichloroethane	ug/m3	ND	0.55	05/02/13 18:12	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/02/13 18:12	
1,1-Dichloroethane	ug/m3	ND	0.82	05/02/13 18:12	
1,1-Dichloroethene	ug/m3	ND	0.81	05/02/13 18:12	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	05/02/13 18:12	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	05/02/13 18:12	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/02/13 18:12	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/02/13 18:12	
1,2-Dichloroethane	ug/m3	ND	0.41	05/02/13 18:12	
1,2-Dichloropropane	ug/m3	ND	0.94	05/02/13 18:12	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	05/02/13 18:12	
1,3-Butadiene	ug/m3	ND	0.45	05/02/13 18:12	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/02/13 18:12	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/02/13 18:12	
2-Butanone (MEK)	ug/m3	ND	0.60	05/02/13 18:12	
2-Hexanone	ug/m3	ND	0.83	05/02/13 18:12	
2-Propanol	ug/m3	ND	0.50	05/02/13 18:12	
4-Ethyltoluene	ug/m3	ND	1.0	05/02/13 18:12	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/02/13 18:12	
Acetone	ug/m3	ND	0.48	05/02/13 18:12	
Benzene	ug/m3	ND	0.32	05/02/13 18:12	
Benzyl chloride	ug/m3	ND	1.0	05/02/13 18:12	
Bromodichloromethane	ug/m3	ND	1.4	05/02/13 18:12	
Bromoform	ug/m3	ND	2.1	05/02/13 18:12	
Bromomethane	ug/m3	ND	0.79	05/02/13 18:12	
Carbon disulfide	ug/m3	ND	0.63	05/02/13 18:12	SS
Carbon tetrachloride	ug/m3	ND	0.64	05/02/13 18:12	
Chlorobenzene	ug/m3	ND	0.94	05/02/13 18:12	
Chloroethane	ug/m3	ND	0.54	05/02/13 18:12	
Chloroform	ug/m3	ND	0.99	05/02/13 18:12	
Chloromethane	ug/m3	ND	0.42	05/02/13 18:12	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/02/13 18:12	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/02/13 18:12	
Cyclohexane	ug/m3	ND	0.70	05/02/13 18:12	
Dibromochloromethane	ug/m3	ND	1.7	05/02/13 18:12	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/02/13 18:12	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/02/13 18:12	
Ethanol	ug/m3	ND	0.38	05/02/13 18:12	
Ethyl acetate	ug/m3	ND	0.73	05/02/13 18:12	
Ethylbenzene	ug/m3	ND	0.88	05/02/13 18:12	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/02/13 18:12	SS

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

METHOD BLANK: 1421521 Matrix: Air

Associated Lab Samples: 10225620002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	05/02/13 18:12	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/02/13 18:12	
Methylene Chloride	ug/m3	ND	0.71	05/02/13 18:12	
n-Heptane	ug/m3	ND	0.83	05/02/13 18:12	
n-Hexane	ug/m3	ND	0.72	05/02/13 18:12	
Naphthalene	ug/m3	ND	1.1	05/02/13 18:12	
o-Xylene	ug/m3	ND	0.88	05/02/13 18:12	
Propylene	ug/m3	ND	0.35	05/02/13 18:12	
Styrene	ug/m3	ND	0.87	05/02/13 18:12	
Tetrachloroethene	ug/m3	ND	0.69	05/02/13 18:12	
Tetrahydrofuran	ug/m3	ND	0.60	05/02/13 18:12	
Toluene	ug/m3	ND	0.77	05/02/13 18:12	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/02/13 18:12	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/02/13 18:12	
Trichloroethene	ug/m3	ND	0.55	05/02/13 18:12	
Trichlorofluoromethane	ug/m3	ND	1.1	05/02/13 18:12	
Vinyl acetate	ug/m3	ND	0.72	05/02/13 18:12	
Vinyl chloride	ug/m3	ND	0.26	05/02/13 18:12	

LABORATORY CONTROL SAMPLE: 1421522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.1	99	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	69.8	100	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	55.4	100	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	73.4	94	65-130	
1,1-Dichloroethane	ug/m3	41.2	41.5	101	66-131	
1,1-Dichloroethene	ug/m3	40.3	41.6	103	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	66.5	88	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	51.8	104	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	81.6	104	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	64.0	105	68-148	
1,2-Dichloroethane	ug/m3	41.2	43.7	106	66-136	
1,2-Dichloropropane	ug/m3	47	50.4	107	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	52.6	105	69-136	
1,3-Butadiene	ug/m3	22.5	19.9	88	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	63.4	104	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	63.1	103	66-134	
2-Butanone (MEK)	ug/m3	30	31.1	104	69-141	
2-Hexanone	ug/m3	41.7	41.9	101	74-132	
2-Propanol	ug/m3	25	22.7	91	64-139	
4-Ethyltoluene	ug/m3	50	52.7	105	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	41.8	100	74-131	
Acetone	ug/m3	24.2	18.3	76	62-142	
Benzene	ug/m3	32.5	33.1	102	72-136	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

LABORATORY CONTROL SAMPLE: 1421522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	52.8	101	70-134	
Bromodichloromethane	ug/m3	68.2	71.8	105	69-135	
Bromoform	ug/m3	105	106	101	72-133	
Bromomethane	ug/m3	39.5	38.0	96	65-125	
Carbon disulfide	ug/m3	31.7	31.1	98	68-127	SS
Carbon tetrachloride	ug/m3	64	67.3	105	64-133	
Chlorobenzene	ug/m3	46.8	48.8	104	65-135	
Chloroethane	ug/m3	26.8	24.4	91	63-129	
Chloroform	ug/m3	49.7	48.3	97	66-129	
Chloromethane	ug/m3	21	20.1	96	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	36.1	90	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	47.1	102	75-137	
Cyclohexane	ug/m3	35	34.6	99	73-139	
Dibromochloromethane	ug/m3	86.6	87.6	101	73-130	
Dichlorodifluoromethane	ug/m3	50.3	44.7	89	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	67.6	95	64-131	
Ethanol	ug/m3	19.2	20.7	108	62-134	
Ethyl acetate	ug/m3	36.6	35.7	97	73-136	
Ethylbenzene	ug/m3	44.2	46.0	104	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	59.9	55	30-150	SS
m&p-Xylene	ug/m3	44.2	46.0	104	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	33.8	92	71-134	
Methylene Chloride	ug/m3	35.3	30.0	85	59-140	
n-Heptane	ug/m3	41.7	41.2	99	73-136	
n-Hexane	ug/m3	35.8	35.3	99	67-136	
Naphthalene	ug/m3	53.3	51.5	97	30-150	
o-Xylene	ug/m3	44.2	46.4	105	74-135	
Propylene	ug/m3	17.5	15.3	88	66-138	
Styrene	ug/m3	43.3	44.2	102	73-135	
Tetrachloroethene	ug/m3	69	70.3	102	66-135	
Tetrahydrofuran	ug/m3	30	29.1	97	73-130	
Toluene	ug/m3	38.3	39.7	104	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	41.3	102	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	47.1	102	75-129	
Trichloroethene	ug/m3	54.6	54.2	99	68-134	
Trichlorofluoromethane	ug/m3	57.1	53.3	93	61-134	
Vinyl acetate	ug/m3	35.8	35.7	100	70-139	
Vinyl chloride	ug/m3	26	22.9	88	64-134	

SAMPLE DUPLICATE: 1422093

Parameter	Units	10226409001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3		ND		25	
1,1,2,2-Tetrachloroethane	ug/m3		ND		25	
1,1,2-Trichloroethane	ug/m3		ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3		ND		25	
1,1-Dichloroethane	ug/m3		ND		25	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

SAMPLE DUPLICATE: 1422093

Parameter	Units	10226409001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3		ND		25	
1,2,4-Trichlorobenzene	ug/m3		ND		25	
1,2,4-Trimethylbenzene	ug/m3		6.4	16	25	
1,2-Dibromoethane (EDB)	ug/m3		ND		25	
1,2-Dichlorobenzene	ug/m3		ND		25	
1,2-Dichloroethane	ug/m3		ND		25	
1,2-Dichloropropane	ug/m3		ND		25	
1,3,5-Trimethylbenzene	ug/m3		2.1	11	25	
1,3-Butadiene	ug/m3		ND		25	
1,3-Dichlorobenzene	ug/m3		ND		25	
1,4-Dichlorobenzene	ug/m3		ND		25	
2-Butanone (MEK)	ug/m3		ND		25	
2-Hexanone	ug/m3		ND		25	
2-Propanol	ug/m3		ND		25	
4-Ethyltoluene	ug/m3		3.2	13	25	
4-Methyl-2-pentanone (MIBK)	ug/m3		ND		25	
Acetone	ug/m3		7.2	18	25	
Benzene	ug/m3		6.7	11	25	
Benzyl chloride	ug/m3		ND		25	
Bromodichloromethane	ug/m3		ND		25	
Bromoform	ug/m3		ND		25	
Bromomethane	ug/m3		ND		25	
Carbon disulfide	ug/m3		1.4	6	25	SS
Carbon tetrachloride	ug/m3		1.9	.5	25	
Chlorobenzene	ug/m3		ND		25	
Chloroethane	ug/m3		ND		25	
Chloroform	ug/m3		ND		25	
Chloromethane	ug/m3		ND		25	
cis-1,2-Dichloroethene	ug/m3		ND		25	
cis-1,3-Dichloropropene	ug/m3		ND		25	
Cyclohexane	ug/m3		9.2	7	25	
Dibromochloromethane	ug/m3		ND		25	
Dichlorodifluoromethane	ug/m3		2.1	5	25	
Dichlorotetrafluoroethane	ug/m3		ND		25	
Ethanol	ug/m3		2.7	10	25	
Ethyl acetate	ug/m3		ND		25	
Ethylbenzene	ug/m3		7.1	6	25	
Hexachloro-1,3-butadiene	ug/m3		ND		25	SS
m&p-Xylene	ug/m3		28.9	11	25	
Methyl-tert-butyl ether	ug/m3		ND		25	
Methylene Chloride	ug/m3		124	55	25	R1
n-Heptane	ug/m3		35.4	6	25	
n-Hexane	ug/m3		87.0	1	25	
Naphthalene	ug/m3		ND		25	
o-Xylene	ug/m3		8.6	12	25	
Propylene	ug/m3		ND		25	
Styrene	ug/m3		12.7	5	25	
Tetrachloroethene	ug/m3		190	7	25	

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QUALITY CONTROL DATA

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

SAMPLE DUPLICATE: 1422093

Parameter	Units	10226409001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3		ND		25	
Toluene	ug/m3		82.2	7	25	
trans-1,2-Dichloroethene	ug/m3		ND		25	
trans-1,3-Dichloropropene	ug/m3		ND		25	
Trichloroethene	ug/m3		1000			E
Trichlorofluoromethane	ug/m3		1.3J		25	
Vinyl acetate	ug/m3		ND		25	
Vinyl chloride	ug/m3		ND		25	

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QUALIFIERS

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
R1	RPD value was outside control limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OHM-Elm Grove #6142, phase 13d
Pace Project No.: 10225620

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10225620001	**3142-SG-3**	TO-15	AIR/17252		
10225620002	**3142-SG-4**	TO-15	AIR/17264		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10225620

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Enviroforensics	Report To: Wayne Fossbender	Attention:
Address: N16 W23390 Stone Ridge Dr	Copy To:	Company Name:
Suite 6 Waukesha WI		Address:
Email To: Wayne Fossbender	Purchase Order No.:	Pace Quote Reference:
Phone: 317-972-7876 Fax:	Project Name: OHM-Akorde	Pace Project Manager:
Requested Due Date/TAT:	Project Number: 6142	Pace Profile #: 13D - per Wayne CF

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER

Filtered (Y/N)

Requested Analysis: TO15 *

Section D Required Client Information

SAMPLE ID
One Character per box. (A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	TO15	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	6142-56-3	A		4/12/13	10:30	4/12/13	11:15		1									X		001
2	6142-56-4	A		↓	10:35	↓	11:20		1									X		002
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

TO15 + proj name added per Wayne 4/17/13 CF

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
[signature] EFI	4/15/13	12:45	Mary Fannin	4/15/13	12:45		Y/N	Y/N	Y/N
Mary Fannin	4/15/13	14:30	[signature] Pace	4/17/13	1000	amb	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
						Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: F-MN-A-106-rev.07	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Enviro forensics

Project #: WO#: 10225620

10225620

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☒ Other: Lezlie CO

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other: _____

Temp. (TO17 and TO13 samples only) (°C): amb **Corrected Temp (°C):** _____ **Thermom. Used:** ☐ B88A912167504 ☐ 80512447 ☐ 72337080

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** 04.17.13

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☒ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Media: 3 Cans 2 FC's				11.
Sample Labels Match COC?	☐ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
SG-3	Pace 1301		FC 0490		
" 4	" 1342		FC 0510		

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Wayne Fassbender Date/Time: 4/17/13

Comments/Resolution: Confirmed method

Project Manager Review: _____ **Date:** 4/17/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)