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July 15, 2014

Submitted via e-mail on July 15, 2014

Tara M. Blum, PE
Environmental Engineer
NYSDEC Region 7
Division of Environmental Remediation
615 Erie Boulevard West
Syracuse, New York 13204-2400

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
NYSDEC Site Registry Number: 734043
Manhole (MH) 3 Oil Source Investigation Report, July 2014

Dear Ms. Blum:

In accordance with the referenced order, Carrier Corporation is providing one hard copy and one electronic copy (PDF via email) of the Manhole (MH) 3 Oil Source Investigation Report.

Please call me at (615) 255-9300 if you have any questions.

Sincerely,

EnSafe Inc.

A handwritten signature in blue ink that reads "May M. Heflin". The signature is written in a cursive style and is positioned above a faint, light blue rectangular stamp.

By: May Mishu Heflin, PE

Enclosure: Manhole (MH) 3 Oil Source Investigation Report, July 2014

cc: Mr. Mark Sergott — NYSDOH
Ms. Krista Anders — NYSDOH
Mr. John Wolski — UTC
Mr. Joe Basile — Carrier Corporation
Ms. Kathleen McFadden — UTC

**MANHOLE 3 (MH3) OIL SOURCE INVESTIGATION
CARRIER CORPORATION
THOMPSON ROAD FACILITY**

**Corrective Action Order — Index CO 7-20051118-4
NYSDEC Site Registry No.: 734043**

**EnSafe Project Number
0888815577**

Prepared for:



**UTC SHARED REMEDIATION SERVICES
9 Farm Springs Road, MS 101
Farmington, CT 06032**

Prepared by:



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JULY 2014

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1.0 INTRODUCTION

Carrier Corporation (Carrier), a wholly-owned subsidiary of United Technologies Corporation (UTC), retained EnSafe Inc. to conduct a subsurface investigation at its Thompson Road facility located at Carrier Parkway in Syracuse, New York (Site). The Site is subject to a Corrective Action Order — Index CO 7-20051118-4 dated February 13, 2006, with the New York State Department of Environmental Conservation Division of Remediation (NYSDEC-DER). The location of the Site is depicted on Figure 1. The purpose of the Manhole 3 (MH3) Oil Source investigation was to determine the source of oil discovered accumulating in manhole MH3, which is downstream of storm water sewer lines beneath the western two-thirds of Parking Lot R (PLR).

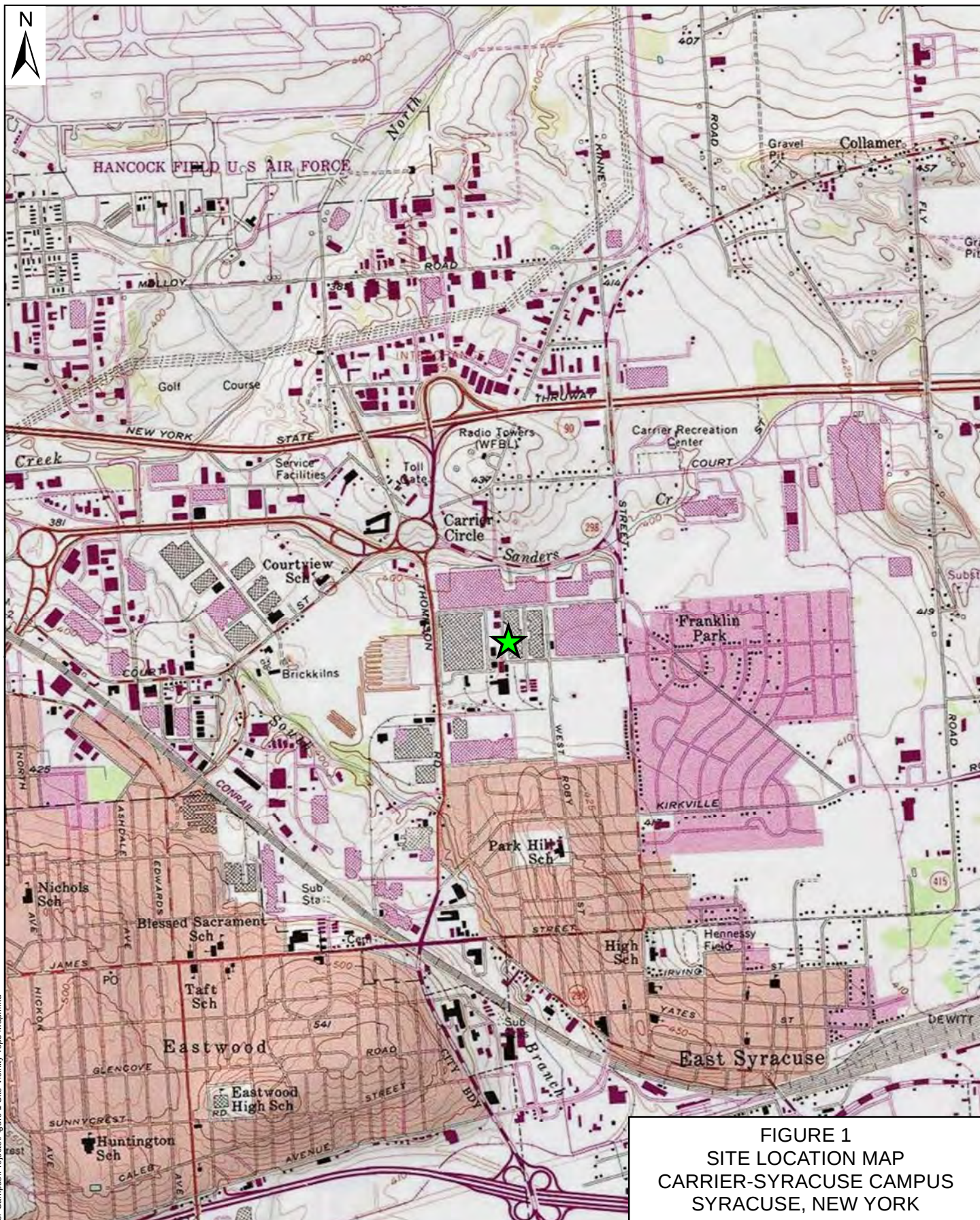


FIGURE 1
SITE LOCATION MAP
CARRIER-SYRACUSE CAMPUS
SYRACUSE, NEW YORK

Legend

★ SITE LOCATION

0 1,000 2,000 3,000 4,000
Feet

Basemap Source: USGS Godwin, Tennessee Quadrangle Topographic Map
http://services.arcgis.com/arcgis/services/USA_Topo_Maps
© 2011 National Geographic Society, i-cubed

REQUESTED BY: S. Goodnight

DRAWN BY: N. Rinehart

DATE: 07/8/2014

PROJECT NO: 0888815577

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2.0 BACKGROUND

Former Building TR-3 was demolished during 2010 and 2011 as part of Carrier's Site-wide campus reconsolidation efforts. During May and June 2011, Carrier paved over much of the footprint of former Building TR-3 for additional employee parking (newly designated as PLR). The 8 to 12-inch concrete slab from the former building remained in place. As part of parking lot paving activities, Carrier installed multiple catch basins along existing underground drainage piping to convey storm water runoff to Pump Station 1 (PS-1) which conveys storm water to the on-site treatment system prior to discharging to Sanders Creek. Historical operations in former Building TR-3 include the use of transformers and hydraulic oil possibly containing polychlorinated biphenyls (PCBs) as well as degreasers containing chlorinated solvents. Four previous assessments have focused on various PLR areas including:

- Former Building TR-3 degreaser in the southeast portion of PL-R
- Storm water detention pond (Pond 3) in the northwest portion of PL-R
- Storm sewer utility lines associated with former Building TR-3 in the central portion of PL-R
- Expansion of previous assessments

Previous assessment findings identified shallow groundwater impacted by chlorinated volatile organic compounds (VOCs) and PCBs in several areas of the former Building TR-3/PLR vicinity. These areas included shallow soils and groundwater (including light non-aqueous phase liquid [LNAPL]) in the former degreaser area, shallow soils in the area of Pond 3, and sediments within and shallow soils and groundwater outside storm sewer utility lines throughout PLR. The layout of the Site, including the former Building TR-3 footprint overlaying the current configuration of PLR, is depicted on Figure 2.

In 2013, as part of routine operations and maintenance (O&M) activities associated with the Site's storm water treatment system, Carrier discovered an accumulation of oil in manhole MH3, which is downstream of storm sewer lines beneath the western two-thirds of PLR. An oil sample was collected from manhole MH3 on June 26, 2013, and analyzed for PCBs using U.S. Environmental Protection Agency (EPA) Method 8082. The oil sample yielded an Aroclor 1254 concentration of 230 micrograms per kilogram ($\mu\text{g}/\text{kg}$). An oil/water emulsion sample was also collected from manhole MH3 on June 26, 2013, and submitted for PCB analysis; however, no PCBs were detected. On January 8, 2014, oil from manhole MH3 was sampled again and Aroclor 1254 was detected at an estimated concentration of 2,600 $\mu\text{g}/\text{kg}$.



Legend

MH3 Oil Source Investigation Area

2013 Parking Lot R Investigation

Parking Lot R Area

Aerial Photographic Source:
NYS GIS Clearinghouse
April 2012

0 120 240 360 480 600 Feet

FIGURE 2
PARKING LOT R AND
MH3 OIL SOURCE INVESTIGATION AREAS
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY:	S. Goodnight
DRAWN BY:	S. Goodnight
DATE:	7/8/2014
PROJECT NO:	0888815577

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X:\UTCSyracuse\Carrier Campus\Projects\TR-1_PLR_Investigation_Oct_2013\PLR\Fig_2_PLR_Report_March_2014.mxd

3.0 SCOPE OF WORK

3.1 Proposed Scope of Work

EnSafe, on behalf of Carrier, prepared and submitted a *Manhole 3 (MH3) Oil Source Investigation Work Plan Addendum to the 2013 Parking Lot R Investigation* (EnSafe, March 27, 2014) to NYSDEC detailing objectives and strategies for oil source investigation at the MH3 area.

The March 2014 work plan was approved by NYSDEC via email correspondence on May 8, 2014. Notification of scheduled field activities was provided to NYSDEC in a letter dated May 12, 2014, and submitted via email. MH3 Oil Source Investigation activities were initiated on May 19, 2014. Fieldwork was conducted in accordance with the approved work plan.

3.2 Sub-Slab Investigation

Soil

EnSafe, along with personnel from Parratt-Wolff, Inc. (Syracuse, New York), conducted sub-slab soil sampling and monitoring well/piezometer installation activities in accordance with the March 2014 *Manhole 3 (MH3) Oil Source Investigation Work Plan Addendum to the 2013 Parking Lot R Investigation* submitted to NYSDEC. Figure 3 depicts the northeast portion of the PLR area as well as the Storm Water Treatment Building (SWTB) and proposed sampling locations from the March 2014 work plan.

Eight soil borings were advanced and two monitoring wells and six piezometers were installed along the exterior of the SWTB from May 20 to 27, 2014. Two monitoring wells were also installed within the SWTB interior – one adjacent to manhole MH3 and another within a pit located immediately west of the storm utility line connecting manholes MH3 and MH4. Lithologic, soil sampling, field screening, and well construction data for soil borings and monitoring wells are depicted on boring logs provided in Appendix A. Table 1 lists details regarding the soil borings, soil sample intervals, and the types of monitoring wells installed at each monitoring well location. Soil boring, monitoring well and piezometer locations for the MH3 Oil Source investigation area are depicted on Figure 4. Fieldwork activities deviated from the work plan as follows:

- No soil samples were collected from borings PLR-058, MW54 (PLR-059), PLR-060, PLR-061, MW53 (PLR-062) or PLR-063 either due to the elevation of the saturated zone or insufficient recovery of materials above the saturated zone.
- No soil samples were collected from monitoring well borings MW51 or MW52 due to the mud rotary drilling method required for well installation inside the SWTB.

- No groundwater sample was obtained from piezometer PLR-056 due to poor yield.
- PLR-059 was converted to a 4-inch diameter monitoring well (MW54) due to the observation of a thin layer LNAPL on groundwater.
- A 2-inch diameter monitoring well (MW53) was installed at PLR-062 in order to collect additional subsurface information in the future (i.e., hydraulic conductivity).

Table 1
MH3 Oil Source Investigation Monitoring Well Locations – May 2014

Boring Identification	Soil Boring Total Depth (feet bgs)	Soil Sample Interval (feet bgs)	Monitoring Well Installed	Monitoring Well Total Depth (feet bgs)
PLR-056	20	8 to 10	Piezometer (1" Shallow)	18.12
PLR-057	20	8 to 10	Piezometer (1" Shallow)	19.00
PLR-058	20	Not Sampled**	Piezometer (1" Shallow)	19.00
MW54 (PLR-059)	20	Not Sampled**	Monitoring Well (4" Shallow)	20.72
PLR-060	20	8 to 10	Piezometer (1" Shallow)	18.94
PLR-061	20	Not Sampled**	Piezometer (1" Shallow)	19.62
MW53 (PLR-062)	20	Not Sampled**	Monitoring Well (2" Shallow)	14.70
PLR-063	20	Not Sampled**	Piezometer (1" Shallow)	15.77
MW51	25	Not Sampled***	Monitoring Well (2" Shallow)	24.65
MW52	13.5	Not Sampled***	Monitoring Well (2" Shallow)	15.45

Notes:

*Temporary monitoring well replacement; therefore, no soil sample was collected.

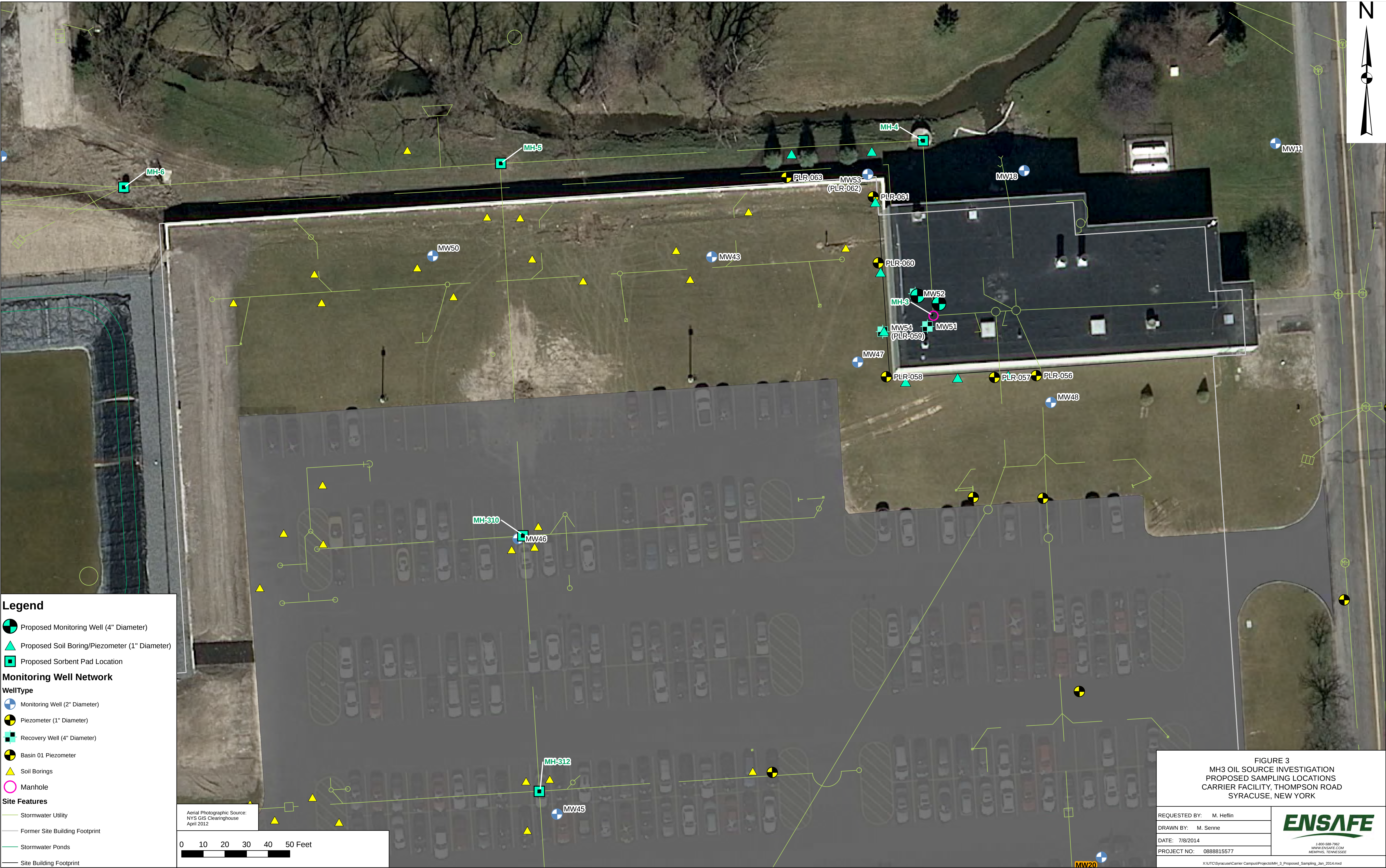
** No sample collected due to insufficient recovery above the saturated zone.

*** No sample collected due to required drilling method – mud rotary.

bgs = below ground surface.

Details regarding soil sampling, drilling equipment and methods, as well as installation procedures for the various types and diameters of monitoring wells are summarized in Table 2. Soil borings and monitoring wells/piezometers were installed in four general steps:

1. Hollow stem augers (HSA) were used to advance borings to the top of the former building TR-3 concrete slab.
2. Core barrels and steel casings were used to core through the former building TR-3 concrete slab.
3. Soil borings were advanced through the concrete slab to the desired depth using direct-push technology (DPT).
4. Polyvinyl chloride (PVC) piezometers and monitoring wells of varying diameters were installed using equipment and methods described in Table 2.



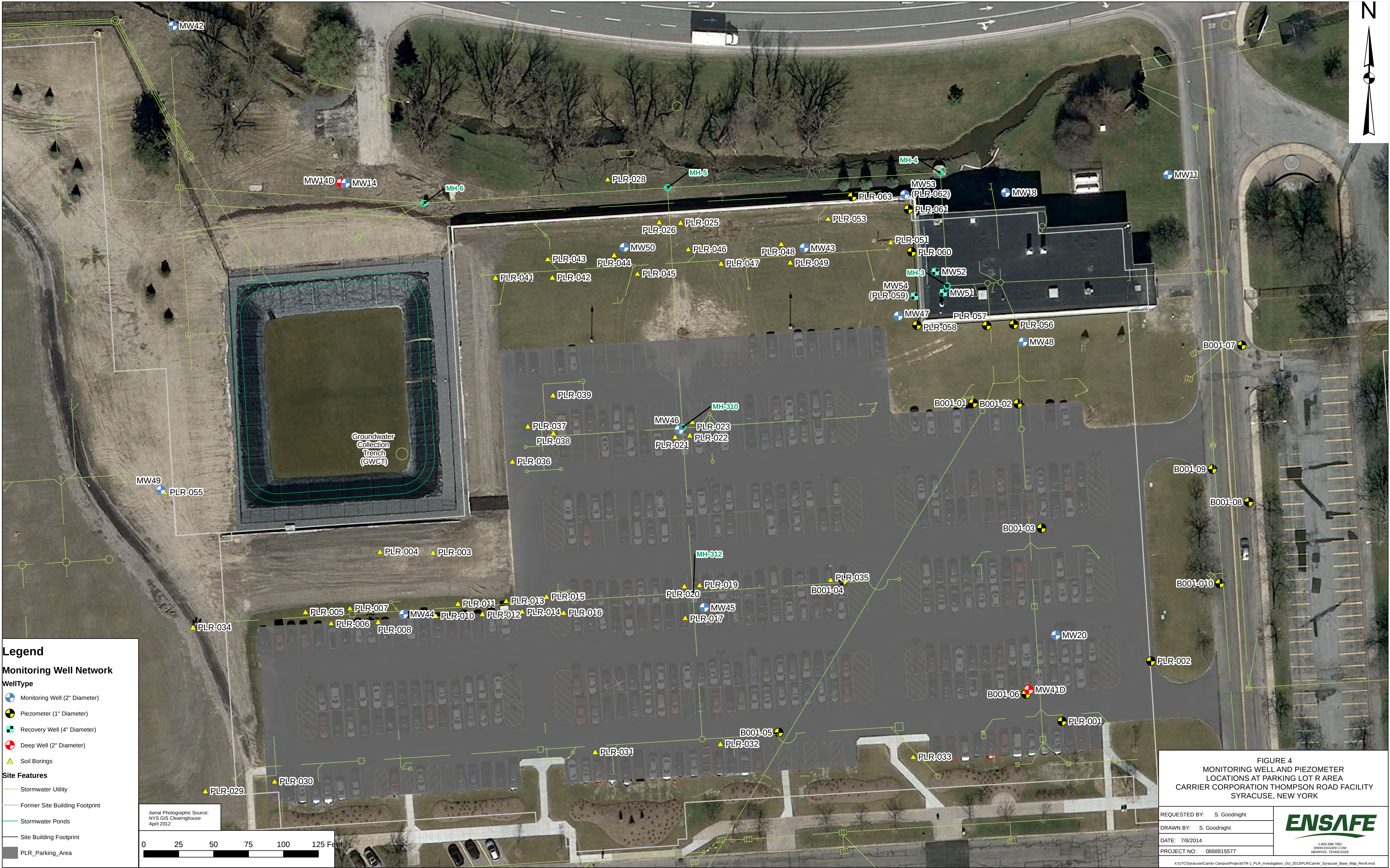


Table 2
Summary of Drilling Methods at MH3

Protective Casing Installation		
Drilling Method	Casing Diameter (Inches)	Purpose
HQ Core Barrel (3-inch ID)	NA	Penetrate concrete floor for DPT soil sampling and 2-inch monitoring well installation
PQ Core Barrel (4.25-inch ID)	NA	Penetrate concrete floor for 4-inch monitoring well installation
4.25-inch ID HSAs	4	Penetrate former Building TR-2 slab to install 4-inch PVC casing at 2-inch Type II well
4.25-inch ID HSAs	4	Penetrate former Building TR-3 slab to install 4-inch steel casing conductor casing at Type III well
Soil Sampling		
Drilling Method	Casing Diameter (Inches)	Purpose
DPT Geoprobe DT-22 (2.25-inch OD)	NA	Soil Sampling 1.125-inch soil core
Monitoring Well Installation		
Drilling Method	Casing Diameter (Inches)	Purpose
DPT Geoprobe DT22 (2.25-inch OD)	1	Install 1-inch PVC Type II Piezometer
DPT Geoprobe 4.25-inch ID HSAs	2	Install 2-inch PVC Type II well
Spin-shoe and steel drill pipe (4-inch ID)	2	Install 2-inch PVC Type III well

Notes:

ID — inside diameter

HSA — hollow-stem auger

PVC — polyvinyl chloride

DPT — direct-push technology

OD — outside diameter

HQ — 96 millimeter (mm) OD; 63.5 mm ID core barrel

PQ — 122.6 mm OD; 85 mm ID core barrel

Lbs — pounds

NA — not applicable

Soil Sampling

Soil samples were collected continuously at each location, as practical, using a track-mounted, DPT drill rig — a Geoprobe® Model 7800 series and DT22 down hole tools. Lithologic information was logged and the soil core was visually examined for indications of contamination (i.e., staining and/or odors). Soil from each 1-foot interval was screened immediately for organic vapors using a photoionization detector (PID) calibrated to 100 parts per million (ppm) isobutylene and measurements were recorded on the soil boring log. Soil from each 2-foot interval above the saturated zone was collected using laboratory supplied TerraCore sampling kits in accordance with U.S. EPA Method 5035, as required by NYSDEC *DER-10 Technical Guidance for Site Investigation and Remediation*, and stored on ice. As required, the remaining laboratory containers were filled and stored on ice.

Based on the field geologist's observations and field screening results, the sample interval within each soil boring suspected to be the most impacted, or if no notable impacts were identified, the interval immediately above the saturated zone, was selected for laboratory analysis. Each soil sample was labelled with a unique sample number identifying the location and depth interval, required analysis, date, and time of collection. Soil samples were stored on ice and hand delivered under chain-of-custody to Test America Laboratories, Inc. (Test America) service center in Syracuse, New York. Samples were then transported via overnight courier under chain-of-custody for analysis at Test America's laboratory in North Canton, Ohio. Lithologic, soil sampling, and field screening data for each location are depicted on boring logs provided in Appendix A.

Soil samples were analyzed for VOCs by U.S. EPA Methods 8260/5035, SVOCs by U.S. EPA Method 8270, pesticides by U.S. EPA Method 8081, PCBs by U.S. EPA Method 8082, and Resource Conservation and Recovery Act (RCRA) metals by U.S. EPA Methods 6010B/7471, per NYSDEC *DER-10 Technical Guidance for Site Investigation and Remediation* requirements.

Monitoring Well and Piezometer Installation

Piezometers were installed using Geoprobe® DT22 tooling. Once soil sampling activities were completed, drilling rods were retracted from the borehole and an expendable drive point was inserted in the drilling string lead rod. The drill string was then advanced to the desired depth. PVC well pipe was inserted into the annulus of the drill string, typically including a 12-foot section of 0.01-inch slot monitoring well screen and an appropriate length of PVC casing riser. As the drill string was retracted, 20/24 filter sand pack was placed around the well screen. The retraction of the drill string continued until filter sand was a minimum of 2 feet above the top of the screened interval or 2 feet from the base of the former building TR-3 concrete slab. A seal was emplaced in the remainder of the borehole to ground surface by installing hydrated bentonite chips. The bentonite seal was extended to the ground surface to ensure integrity of the concrete slab.

Monitoring wells MW51 and MW52 were installed with a Little Beaver drilling rig using the spin-and-wash method, which utilizes a steel casing with a spin-shoe cutting head advanced to the desired depth. Accumulated soil cuttings in the annulus of the casing were cleared using fluid-rotary with a tri-cone bit and potable water. Soil cuttings and return fluid were containerized for off-site disposal at an approved facility upon receipt of analytical results. The minimal amount of potable water was used to complete this process. Once the casing annulus was cleared, PVC monitoring well pipe was installed, including a section of 0.01-inch slot monitoring well screen and an appropriate length of PVC casing riser. As the drill string was retracted, 20/24 filter sand pack was placed around the well screen. Retraction of the drill string continued until filter sand was a minimum of 2 feet above the top of the monitoring well screen or 0.5 feet from the base of the former building concrete slab. A seal was emplaced in the remainder of the borehole to ground surface by installing hydrated bentonite chips. The bentonite seal was extended from at least 2 feet below the bottom of the concrete slab to the top of the slab to ensure its integrity. Monitoring well MW52 is located within the storm water treatment system floc tank pit, approximately 7 feet below the SWTB finished floor elevation. It was completed with a stand pipe to account for potential artesian conditions - a scenario in which the potentiometric surface elevation would be greater than that of the tank pit floor elevation.

Monitoring wells MW53 and MW54 were installed with track-mounted and a CME truck-mounted drilling rig respectively, using auger tooling. Hollow stem augers with a knock-out plug were used to clear cuttings from each boring to the desired depth. Depending on the location, a 2-inch or 4-inch diameter PVC monitoring well pipe was inserted into the annulus of the drill string, including a section of 0.01-inch slot monitoring well screen and an appropriate length of PVC casing riser. As the drill string was retracted, 20/24 filter sand pack was placed around the well screen. The retraction of the drill string continued until filter sand was a minimum of 2 feet above the top of the monitoring well screen; then a layer of hydrated bentonite chips was installed (minimum 2-feet in thickness) to form a seal above the filter sand pack. Each monitoring well was completed with a flush-grade wellhead comprised of a circular 2-foot diameter concrete well pad and an 8-inch steel, load-bearing access cover.

Soil cuttings generated during were containerized for off-site disposal at a NYSDEC approved facility. Well construction and finishing details are depicted on the applicable boring logs provided in Appendix A.

Groundwater

Monitoring wells MW51 and MW52 were developed by Parratt-Wolff personnel using an electrical submersible pump connected to 0.5-inch inside diameter polypropylene tubing. Monitoring wells (2-inch and 4-inch) and piezometers (1-inch diameter) were developed by EnSafe personnel using a peristaltic pump and 0.25-inch inside diameter Teflon lined polypropylene tubing. Well development continued until turbidity of the water evacuated from the well was visually clear. A minimum of three to five well volumes were evacuated from each monitoring well. Due to turbidity, some monitoring wells and/or piezometers required the evacuation of additional water volume to achieve adequate development. Waste water from well development activities was disposed by pouring it into the on-site storm water treatment system.

EnSafe collected groundwater samples from each location from May 28 to 30, 2014. Prior to sampling, each monitoring well was opened and allowed to equilibrate before a water level measurement was obtained using an electronic water level indicator. A tabular summary of well construction and groundwater elevation data for the monitoring well network at the Site is provided in Appendix B. After collecting depth-to-groundwater measurements, each monitoring well was purged using low flow sampling techniques with a peristaltic pump and dedicated Teflon tubing. Some monitoring wells and piezometers were low yielding and purged dry during sampling activities, and as a consequence, some groundwater samples were collected over the period of a few hours. Monitoring well purge field forms are provided in Appendix C. During purging activities, water quality parameters (pH, specific conductance, temperature, turbidity, dissolved oxygen, and oxygen-reduction potential) were monitored using a Horiba U-22 water quality meter and recorded on the purge forms. After water quality parameter measurements stabilized, groundwater from each monitoring well was collected and poured directly into three 40-milliliter (mL) glass vials preserved with hydrochloric acid using the "straw method" for VOC analyses. Additional groundwater sample volume was pumped directly into the appropriate laboratory supplied containers via peristaltic pump for non-VOC analyses. All groundwater samples were immediately stored on ice and hand delivered to the Test America service center under chain-of-custody procedures. Samples were then transported via overnight courier under chain-of-custody procedures for analysis at Test America's laboratory in North Canton, Ohio.

Groundwater samples were analyzed for the following: VOCs by U.S. EPA Methods 8260/5035, SVOCs by U.S. EPA Method 8270, pesticides by U.S. EPA Method 8081, PCBs by U.S. EPA Method 8082, and RCRA metals by U.S. EPA Methods 6010B/7471, per NYSDEC *DER-10 Technical Guidance for Site Investigation and Remediation* requirements.

4.0 FINDINGS

Geology and Hydrogeology

Based on review of soil boring and monitoring well logs (Appendix A) for the MH3 Oil Source investigation area, approximately 2 feet of silty clay fill material overlies the former Building TR-3 concrete slab, which was generally encountered from 2 to 3.5 feet bgs. A gravel sub-base material extends to approximately 5 feet bgs. Lithology of the uppermost 2 to 8 feet beneath the concrete slab is generally a silty sand and silty clay which transitions with depth to primarily clayey silt to a depth of approximately 20 feet bgs – the typical boring termination depth for the investigation. Headspace field screening results during soil sampling activities ranged from 0 to out of range. The highest field screening measurement recorded, out of range (i.e., >1500 ppm), was observed in soil boring PLR-061 in the 18 to 20 feet bgs interval. The remaining field screening measurements were considerably lower.

LNAPL was observed at two locations during MH3 Oil Source investigation activities. Trace amounts of LNAPL were measured at PLR-059 (0.01 feet) and PLR-063 (0.01 feet). A slight sheen was observed on groundwater at PLR-057, and MW53 (PLR-062). Potentiometric data collected during the groundwater sampling activities are tabulated in Appendix B.

Soil boring and monitoring well logs indicate depth to shallow groundwater ranged from 7 to 10 feet bgs at the time of advancement. Historically, general groundwater flow direction for the shallow aquifer at the Site is to the west/northwest; however, groundwater tends to flow north towards Sanders Creek in the area of PLR, including the SWTB area. To date, the monitoring wells and piezometers installed during MH3 Oil Source investigation activities have not been surveyed; therefore, no potentiometric map has been generated. Upon receipt of survey data, groundwater elevations from these locations will be tied to Site-wide monitoring well network data.

Parking Lot R Storm Water Line Assessment

Assessment of PLR storm water lines up gradient of manhole MH-3 included the placement of hydrophobic, oleophilic pads inside manholes MH6, MH5, MH4, MH310, and MH312. Assessment activities were initiated on January 9, 2014. Periodic visual examination of the manholes and pads inside the manholes was conducted and is ongoing. Table 3 provides observations recorded and actions taken to date.

Table 3
Summary of Parking Lot R Storm Water Line Assessment Findings

Date	Manhole(s)	Observation	Action
1/9/2014	MH4	Clear running water with no odor or sheen	Hydrophobic, oleophilic pads deployed
	MH5	Slight sheen observed on standing water	
	MH6	Clear, no odor or sheen observed	
1/13/2014	MH4	No oil on pad, strong hydrocarbon odor	Replaced pad
	MH5	No oil on pad, strong hydrocarbon odor, slight sheen	Replaced pad
5/6/2014	MH4	Odor present, sediment build up on bench. Water clear. Pad contained odor and oil.	Replaced pad
	MH5	Slight sheen on standing water. Pad stained and slight hydrocarbon odor.	Replaced pad
	MH6	Water clear with no odor or product	Replaced pad
5/7/2014	MH310	Clear water with slight odor	Hydrophobic, oleophilic pads deployed
	MH312	Clear water with no odor	
	MH313	Clear water with slight odor	
5/21/2014	MH4	Strong odor with some staining on pad	Replaced pad
	MH5	Strong odor, sheen on water, oil with strong odor on pad	Replaced pad
	MH6	Light staining on pad with no odor	Replaced pad
	MH310	Oil on pad with strong sweet odor	Replaced pad
	MH312	Staining on pad with no odor	Replaced pad
6/3/2014	MH4	No staining on pad	Replaced pad
	MH5	No staining on pad	Replaced pad
	MH6	No odor, no staining on pad	Replaced pad
6/13/2014	MH312	Oil/grease observed on pad	Replaced pad
	MH313	Some oil on pad	Replaced pad

5.0 LABORATORY ANALYTICAL RESULTS

Reports detailing complete laboratory analytical results (detections and non-detections) for all samples submitted for analysis are presented in Appendix D.

5.1 Soil Analytical Results

Soil laboratory analytical results were compared to December 2006 NYSDEC-DER 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Soil Cleanup Objectives (SCOs), Unrestricted Use, Restricted Use Commercial and Industrial, Protection of Groundwater, and Protection of Ecological Resources screening standards. Laboratory analytical results for soil samples from the MH3 Oil Source investigation area reported several VOCs, SVOCs, PCBs, and metal constituents at concentrations greater than laboratory method detection and/or reporting limits; these concentrations are summarized in Table 4.

No laboratory detected concentrations exceeded their respective NYSDEC-DER 6 NYCRR Unrestricted Use, Restricted Use Commercial and Industrial, Protection of Groundwater, or Protection of Ecological Resources SCOs. Laboratory method detection limits for all soil samples analyzed are less than their respective NYSDEC-DER 6 NYCRR Unrestricted Use, Restricted Use Commercial or Industrial Use soils, Protection of Groundwater, and Protection of Ecological Resources SCOs.

Some reported soil concentrations, as well as some groundwater concentrations discussed in Section 5.2 below, are estimated values and are J-qualified, or J-flagged. J-flagged analyte concentrations are greater than their respective laboratory method detection limits, but less than laboratory method reporting limits. An additional qualifier of note is "B." A B-qualifier denotes the analyte was detected in both the sample and the laboratory method blank sample indicating these particular concentrations may potentially be viewed as suspect or "non-detect" due to the method blank artifacts. Additional qualifiers were assigned to various analyte concentrations by the laboratory; however, none of these qualifiers had a negative impact on the data. Qualifiers for soil samples are summarized in the laboratory analytical reports (Appendix D) and Table 4.

Table 4
Laboratory Analytical Detections in Shallow Soil Samples
MH3 Oil Source Investigation
Carrier Facility, Thompson Road
Syracuse, New York

Sample Location:	PLR056	PLR057	PLR060
Sample ID:	PLR056S0514	PLR057S0514	PLR060S0514
Sample Date:	05/22/2014	05/21/2014	05/21/2014
Sample Type:	Normal	Normal	Normal
Matrix:	Soil	Soil	Soil

Analyte	RESTRICTED USE					Matrix:	Soil	Soil	Soil
	UNRESTRICTED (a)	COMMERCIAL (b)	INDUSTRIAL (c)	PROTECTION OF GW (d)	PROTECTION OF ECOLOGY (e)				
Volatile Organic Compounds									
2-Butanone (MEK)	120	500,000	1,000,000	120	100,000	ug/kg	4.7 J	5.3 J	ND
Acetone	50	500,000	1,000,000	50	2,200	ug/kg	26	30	ND
cis-1,2-Dichloroethene	250	500,000	1,000,000	250		ug/kg	ND	7.3	ND
Methylene chloride	50	500,000	1,000,000	50	12,000	ug/kg	ND	ND	0.76 B JB
Trichloroethene	470	200,000	400,000	470	2,000	ug/kg	ND	ND	21
Vinyl chloride	20	13,000	27,000	20		ug/kg	1.1 J	0.76 J	ND
Semi-volatile Organic Compounds									
2-Methylnaphthalene						ug/kg	260	ND	ND
3-Methylphenol/4-Methylphenol						ug/kg	77 J	ND	ND
Acenaphthene	20,000	500,000	1,000,000	98,000	20,000	ug/kg	120	4.1 J	9.4
Acenaphthylene	100,000	500,000	1,000,000	107,000		ug/kg	23	ND	ND
Anthracene	100,000	500,000	1,000,000	1,000,000		ug/kg	250	5.1 J	14
Benzaldehyde						ug/kg	14 J	ND	ND
Benzo(a)anthracene	1,000	5,600	11,000	1,000		ug/kg	510	8.6	36
Benzo(a)pyrene	1,000	1,000	1,100	22,000	2,600	ug/kg	560	5.7 J	22
Benzo(b)fluoranthene	1,000	5,600	11,000	1,700		ug/kg	760	8.1	34
Benzo(g,h,i)perylene	100,000	500,000	1,000,000	1,000,000		ug/kg	390	ND	14
Benzo(k)fluoranthene	800	56,000	110,000	1,700		ug/kg	300	ND	12
Biphenyl						ug/kg	54 J	ND	ND
bis(2-Ethylhexyl)phthalate						ug/kg	48 J	30 J	ND
Carbazole						ug/kg	170	ND	ND
Chrysene	1,000	56,000	110,000	1,000		ug/kg	600	6.6 J	33
Di-n-butylphthalate						ug/kg	24 J	ND	ND
Dibenz(a,h)anthracene	330	560	1,100	1,000,000		ug/kg	84	ND	ND
Dibenzofuran	7,000	350,000	1,000,000	210,000		ug/kg	150	ND	ND
Fluoranthene	100,000	500,000	1,000,000	1,000,000		ug/kg	1,100	24	93
Fluorene	30,000	500,000	1,000,000	386,000	30,000	ug/kg	170	4.3 J	8.3
Indeno(1,2,3-cd)pyrene	500	5,600	11,000	8,200		ug/kg	320	ND	11
Naphthalene	12,000	500,000	1,000,000	12,000		ug/kg	750	ND	ND
Pentachlorophenol	800	6,700	55,000	800	800	ug/kg	35 J	ND	ND
Phenanthrene	100,000	500,000	1,000,000	1,000,000		ug/kg	1,100	23	73
Pyrene	100,000	500,000	1,000,000	1,000,000		ug/kg	1,100	17	73
Pesticides									
4,4'-DDD	3	92,000	180,000	14,000	3	ug/kg	ND	ND	2.6
4,4'-DDT	3	47,000	94,000	136,000	3	ug/kg	ND	ND	1.4 J
Polychlorinated Bi-phenyls									
Aroclor 1260	100	1,000	25,000	3,200		ug/kg	56 JP	ND	ND
RCRA Metals									
Arsenic	13,000	16,000	16,000	16,000	13,000	ug/kg	1,900	3,700	6,900
Barium	350,000	400,000	10,000,000	820,000	433,000	ug/kg	35,000	52,000	24,000
Cadmium	2,500	9,300	60,000	7,500	4,000	ug/kg	100 J	200 J	86 J
Chromium	30,000	1,500,000	6,800,000			ug/kg	9,900	11,000	4,600
Lead	63,000	1,000,000	3,900,000	450,000	63,000	ug/kg	56,000	6,400	4,000
Silver	2,000	1,500,000	6,800,000	8,300	2,000	ug/kg	1,400	ND	ND
Mercury	180	2,800	5,700	730	180	ug/kg	29 J	94 J	ND

µg/kg = micrograms per kilogram

ND = Non-detect.

a = December 2006 NYSDEC6 NYCRR Part 375 SCOs - Unrestricted Use.

b = December 2006 NYSDEC6 NYCRR Part 375 SCOs - Restricted Use Commercial.

c = December 2006 NYSDEC6 NYCRR Part 375 SCOs - Restricted Use Industrial.

d = December 2006 NYSDEC6 NYCRR Part 375 SCOs - Protection of Groundwater.

e = December 2006 NYSDEC6 NYCRR Part 375 SCOs - Protection of Ecological Resources.

Highlighted cell indicates exceedance of standard.

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

B = Analyte was detected in both the sample and the blank sample.

5.2 Groundwater Analytical Results

Groundwater laboratory analytical results were compared to December 2006 NYSDEC-DER 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (NYCRR Part 703 Groundwater Quality Standards). Laboratory analytical results for groundwater samples collected during the MH3 Oil Source investigation reported several VOCs, SVOCs, pesticides, and metal constituents at concentrations greater than laboratory method detection and/or reporting limits; these concentrations are summarized in Table 5. Table 6 lists VOC analytes for which concentrations exceeded their respective screening limits, while Table 7 lists reported SVOC, pesticide and metal analyte concentrations which exceeded their respective screening limits.

No other reported concentrations exceeded their respective NYCRR Part 703 Groundwater Quality Standards. Laboratory method detection limits for all groundwater samples analyzed are less than their respective NYCRR Part 703 Groundwater Quality Standards, with the exception of PCBs (all samples) and VOCs and SVOCs for groundwater samples collected from MW52, MW53 (PLR-062), and PLR-063. PCBs were not detected in any of the groundwater samples submitted for laboratory analysis; however, in some cases, the reported laboratory method detection limit for a specific Aroclor exceeded the 6 NYCRR Part 703 Groundwater Quality Standards screening limit of 0.09 ug/L. Groundwater samples were analyzed for PCBs by U.S. EPA Method 8082 in accordance with the NYSDEC approved work plan. Due to concentrations of select analytes, the laboratory diluted groundwater samples collected from locations MW52, MW53 (PLR-062), and PLR-063. As a result, laboratory method detection limits for some VOC and SVOC analytes were elevated allowing for some analytes reported as non-detect to potentially exceed their respective NYCRR Part 703 Groundwater Quality Standards. However, each of these samples yielded concentrations of select VOC analytes which exceeded their respective comparative standard.

Table 5
Laboratory Analytical Detections in Shallow Groundwater Samples
MH3 Oil Source Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

Sample Location:			MW51	MW52	PLR057	PLR058	MW54 (PLR059)	PLR060	PLR061	MW53 (PLR062)	PLR063
Sample ID:			CARMW51G0514	CARMW52G0514	PLR057G0514	PLR058G0514	PLR059G0514	PLR060G0514	PLR061G0514	PLR062G0514	PLR063G0514
Sample Date:			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/29/2014	05/29/2014	05/29/2014
Sample Type:			Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Matrix:			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	Groundwater Quality Standards (a)	Units									
Volatile Organic Compounds (8260)											
1,1,1-Trichloroethane	5	ug/l	5.6	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ug/l	9.1	ND	0.18 J	3.4 J	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ug/l	2.6	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		ug/l	ND	ND	1.3 J	ND	1.7 J	2.8 J	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	ND	ND	ND	0.75 J	ND	ND	ND
Acetone	50	ug/l	ND	ND	7.4 J	12 J	6 J	16	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND	0.23 J	0.31 J	ND	ND	ND
Bromodichloromethane		ug/l	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND	ND	0.52 J	0.22 J	ND	ND	ND
Chloroethane	5	ug/l	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ug/l	0.85 J	ND	ND	ND	ND	3.1	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	52	280	0.24 J	ND	ND	1.7	13,000	32,000	32,000
Methylene chloride	5	ug/l	1.1 JB	12 JB	2.3 B	ND	ND	ND	1,400 JB	ND	ND
Toluene	5	ug/l	ND	ND	ND	ND	0.33 J	0.30 J	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	1.6 J	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ug/l	85	670	0.49 J	ND	3.5	17	56,000	ND	ND
Vinyl chloride	2	ug/l	ND	ND	ND	ND	ND	ND	ND	2,900	2,900
Xylene (Total)		ug/l	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (8270)											
2-Methylnaphthalene		ug/l	ND	ND	ND	ND	ND	1.7	0.23	ND	ND
3-Methylphenol/4-Methylphenol		ug/l	ND	ND	0.46 J	ND	0.51 J	ND	ND	ND	ND
Acenaphthene	20	ug/l	ND	ND	0.24	ND	0.38	0.71	0.16 J	ND	ND
Acetophenone		ug/l	ND	ND	0.45 J	ND	0.9	0.45 J	0.59 J	ND	ND
bis(2-Ethylhexyl)phthalate	5	ug/l	ND	2.6 B	1.4 JB	ND	2.3 B	1.7 JB	5.1 B	1.7 B	ND
Butylbenzylphthalate		ug/l	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam		ug/l	1.5 J	7.4	2.7 J	ND	ND	2.6 J	5.9	2.8 J	ND
Carbazole		ug/l	ND	ND	ND	ND	0.46 J	0.98	ND	ND	ND
Di-n-butylphthalate	50	ug/l	1.5 B	1.9 B	ND	ND	2.9 B	1.1 B	2.7 B	1.6 B	ND
Dibenzofuran		ug/l	ND	ND	ND	ND	ND	0.32 J	ND	ND	ND
Diethylphthalate		ug/l	ND	ND	0.6 J	ND	1.1	ND	0.78 J	0.51 J	ND
Fluoranthene		ug/l	ND	ND	ND	ND	0.38	0.21	ND	ND	ND
Fluorene		ug/l	ND	ND	0.13 J	ND	0.3	0.22	ND	ND	ND
Naphthalene	10	ug/l	ND	0.17 J	0.23	ND	ND	0.76	ND	ND	ND
Phenanthrene		ug/l	ND	ND	0.26	ND	1.1	0.72	ND	ND	ND
Phenol	1	ug/l	0.29 J	0.75 J	1.8	ND	2.5	0.47 J	2.2	1.1	ND
Pyrene		ug/l	ND	ND	ND	ND	0.34	ND	ND	ND	ND
Pesticides (8081)											
beta-BHC	0.04	ug/l	ND	ND	ND	ND	ND	ND	ND	0.012 JP	ND
delta-BHC	0.04	ug/l	ND	ND	ND	0.024 JP	ND	ND	ND	ND	ND
Metals (6010/7471)											
Arsenic	25	ug/l	6 J	22	ND	12 J J	11 J	7.8 J	6.7 J	4.7 J	30
Barium	1000	ug/l	210 B	200 B	92 JB	420 B	200 B	37 JB	130 JB	130 JB	220 B
Chromium	50	ug/l	2.6 J	ND	3 J	ND	7.9 J	8.3 J	6.2 J	2.6 J	27
Lead	25	ug/l	ND	ND	2 J	ND	2.1 J	ND	2.3 J	ND	11
Selenium	10	ug/l	ND	ND	ND	ND	ND	16 J	ND	ND	ND

µg/L = micrograms per liter.

ND = Non-detect.

a = December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations.

Highlighted cell indicates exceedance of standard.

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

B = Analyte was detected in both the sample and the blank sample.



Table 6
MH3 Oil Source Investigation VOC Detections Exceeding
6 NYCRR Part 703 Surface Water and Groundwater Quality Standards
and Groundwater Effluent Limitations

Analyte	Sample Location	Concentration (µg/L)	Exceeds Groundwater Screening Limit
Volatile Organic Compounds			
1,1,1-trichloroethane	MW51	5.6	Yes
1,1-dichloroethane	MW51	9.1	Yes
cis-1,2-dichloroethene	MW51	52	Yes
	MW52	280	Yes
	PLR-061	13,000	Yes
	MW53 (PLR-062)	32,000	Yes
	PLR-063	32,000	Yes
methylene chloride	MW52	12	Yes
	PLR-061	1,400 JB	Yes
trichloroethene	MW51	85	Yes
	MW52	670	Yes
	PLR-060	17	Yes
	PLR-061	56,000	Yes
vinyl chloride	MW53 (PLR-062)	2,900	Yes
	PLR-063	2,900	Yes

Notes:

µg/L = micrograms per liter

J = concentration exceeds method detection limit but less than method reporting limit; estimated value.

B = analyte was detected in both the sample and the method blank sample.

Table 7
Groundwater SVOC Metal Detections Exceeding
6 NYCRR Part 703 Surface Water and Groundwater Quality Standards
and Groundwater Effluent Limitations

Analyte	Sample Location	Concentration (µg/L)	Exceeds Groundwater Screening Limit
Parking Lot R Area			
Semi-volatile Organic Compounds			
Bis(2ethylhexyl)phthalate	PLR-061	5.1 B	Yes
Phenol	PLR-057	1.8	Yes
	MW54 (PLR-059)	2.5	Yes
	PLR-061	2.2	Yes
	PLR-062	1.1	Yes
RCRA Metals			
arsenic	PLR-063	30	Yes
selenium	PLR-060	16 J	Yes

Notes:

µg/L = micrograms per liter

J = concentration exceeds method detection limit but less than method reporting limit; estimated value.

B = analyte was detected in both the sample and the method blank sample.

RCRA = Resource Conservation and Recovery Act

6.0 CONCLUSIONS AND RECOMMENDATIONS

Findings from MH3 Oil Source investigation activities identified impacts to shallow subsurface soils and groundwater, including observations of LNAPL. LNAPL was observed along the western exterior wall of the SWTB and north of the former Building TR-3 northern wall. LNAPL measured 0.01 feet thick at piezometers PLR-059 and PLR-063 during groundwater sampling activities.

Laboratory analytical results for soil samples reported various VOCs, SVOCs, PCBs, and metals at concentrations above laboratory method reporting limits. No reported laboratory detected constituent concentrations in soil samples exceeded NYCRR Part 375 SCOs, Protection of Groundwater or Protection of Ecological Resources screening standards.

Groundwater samples from the MH3 Oil Source investigation yielded concentrations of 6 VOCs, two SVOCs and two metal analytes in excess of their respective NYCRR Part 703 Groundwater Quality Standards screening limits. Most VOC exceedances were marginally greater than their respective screening limits; however, notably higher concentrations of select VOCs were reported in samples from piezometers PLR-061 and PLR-063 as well as monitoring well MW53 (PLR-062). SVOC and metal exceedances were marginally greater than their respective screening limits.

While no PCB detections were reported for any of the groundwater samples submitted for laboratory analysis, in some cases, the reported laboratory method detection limit for a specific Aroclor exceeded the NYCRR Part 703 Groundwater Quality Standards screening limit of 0.09 ug/L. No further sampling and analysis is recommended with regard to PCBs in this case.

Assessment of PLR storm water lines up gradient of manhole MH-3 yielded observations of oil at manholes MH4, MH5, MH6, MH310, and MH312; however, no conclusion as to a potential oil source responsible for the amount of accumulated oil observed at MH3 can be drawn at this time. Additionally, oil observed at manholes MH4, MH5, and MH6 is thought to have resulted from backflow of accumulated storm water due a plug installed between manholes MH3 and MH2.

Investigation activities summarized herein identified two locations with small amounts of LNAPL which may be contributing to the accumulation of oil in manhole MH3; however, no conclusions with regard to the source have been identified as a result of investigation activities summarized herein. Additional assessment of the PLR area storm lines is required to identify the source of oil accumulating in manhole MH3, including storm line videography, additional assessment of groundwater elevation fluxuations and hydraulic conductivity, and oil accumulation rate calculation.



The MH3 Oil Source investigation did identify potentially elevated concentrations of cis-1, 2-dichloroethene and vinyl chloride in the area north of the former Building TR-3 foundation wall and adjacent to Sanders Creek. Elevated concentrations of trichloroethene were also identified near the northwest corner of the SWTB (within the footprint of the former building TR-3). Further assessment of the area north of the former Building TR-3 foundation wall and south of Sanders Creek is warranted to determine the extent of impacts, to confirm the detected elevated concentrations of chlorinated compounds, and to further evaluate if remedial actions are warranted.

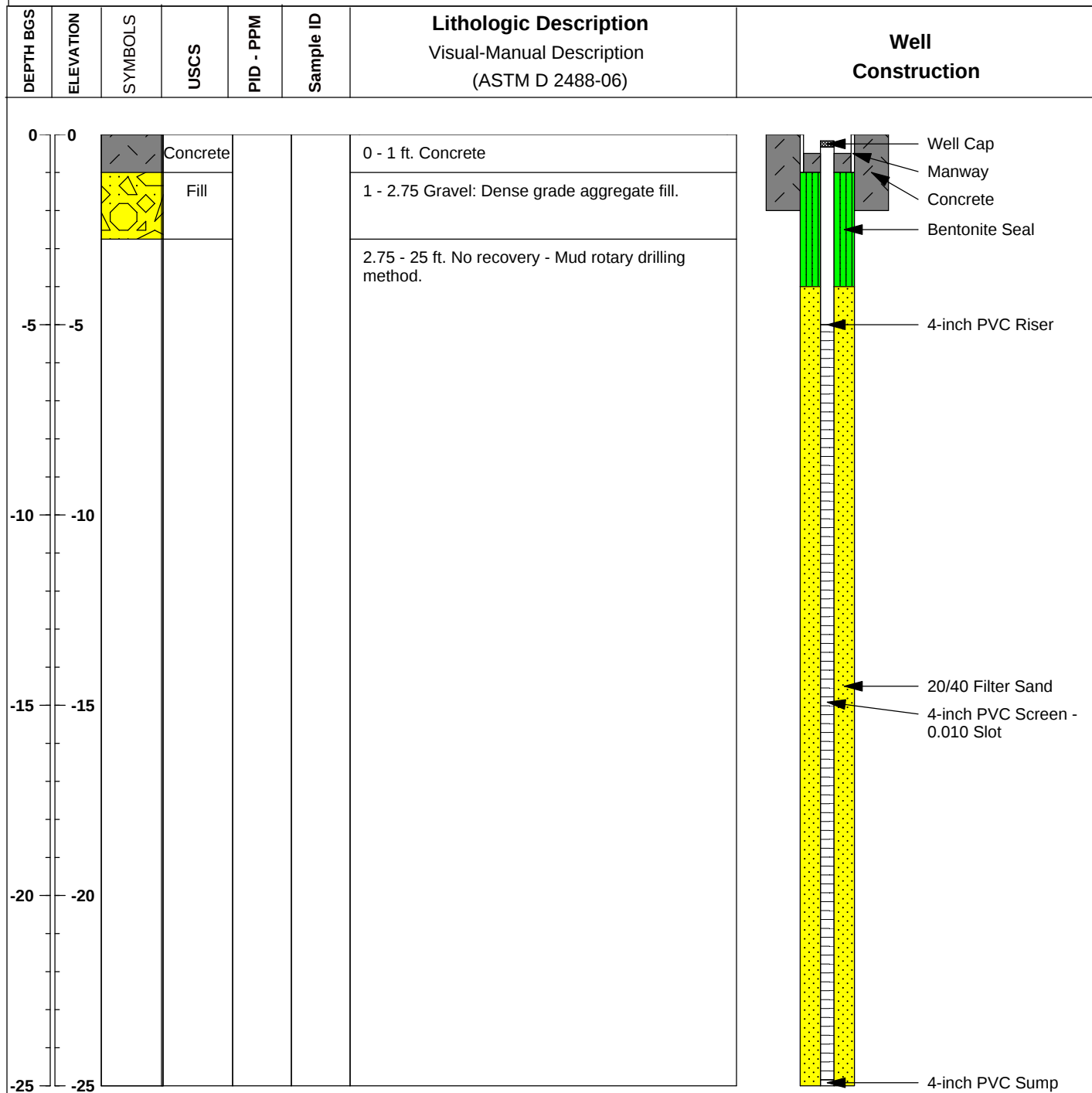
7.0 LIMITATIONS

The information presented in this report was obtained through performance of a Scope of Work outlined in the *Manhole 3 (MH3) Oil Source Investigation Work Plan Addendum to the 2013 Parking Lot R Investigation* (EnSafe, March 27, 2014). Report users should recognize that any sampling or testing activities are inherently limited, in that conditions at other locations and depths may vary from those at the locations where samples or measurements were obtained. The ability of EnSafe to interpret results and draw conclusions about Site conditions are similarly limited, and subject to the availability and quality of information that led us to select sampling or measurement locations, and to practical limits in the extent of sampling that was conducted. EnSafe has conducted the professional assessment services with a level of care and skill consistent with generally accepted environmental consulting industry standards.

In any event, report results apply solely to conditions existing at the time that EnSafe obtained samples or conducted tests. Only the party for whom this report was originally prepared and/or other parties specifically named in our proposal have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose shall be at the user's sole risk. Conditions in other parts of the Site may vary from those at the locations where data were collected. As such, EnSafe does not provide any guarantees, certifications, or warranties regarding the presence or extent of environmental contamination or contaminant sources on the Site. This assessment was intended for the purpose of determining the potential for contamination through limited assessment activities, and in no way represents a conclusive or complete site characterization.

Appendix A
Soil Boring and Monitoring Well Construction Logs

Client: Carrier Corporation	Start Date: 5/21/2014	Northing: 953764.4828
Location: Syracuse, New York	End Date: 5/21/2014	Easting: 1124775.8233
Project #: 0888815577	Drilling Method: Mud Rotary and SSA	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 25 ft bgs

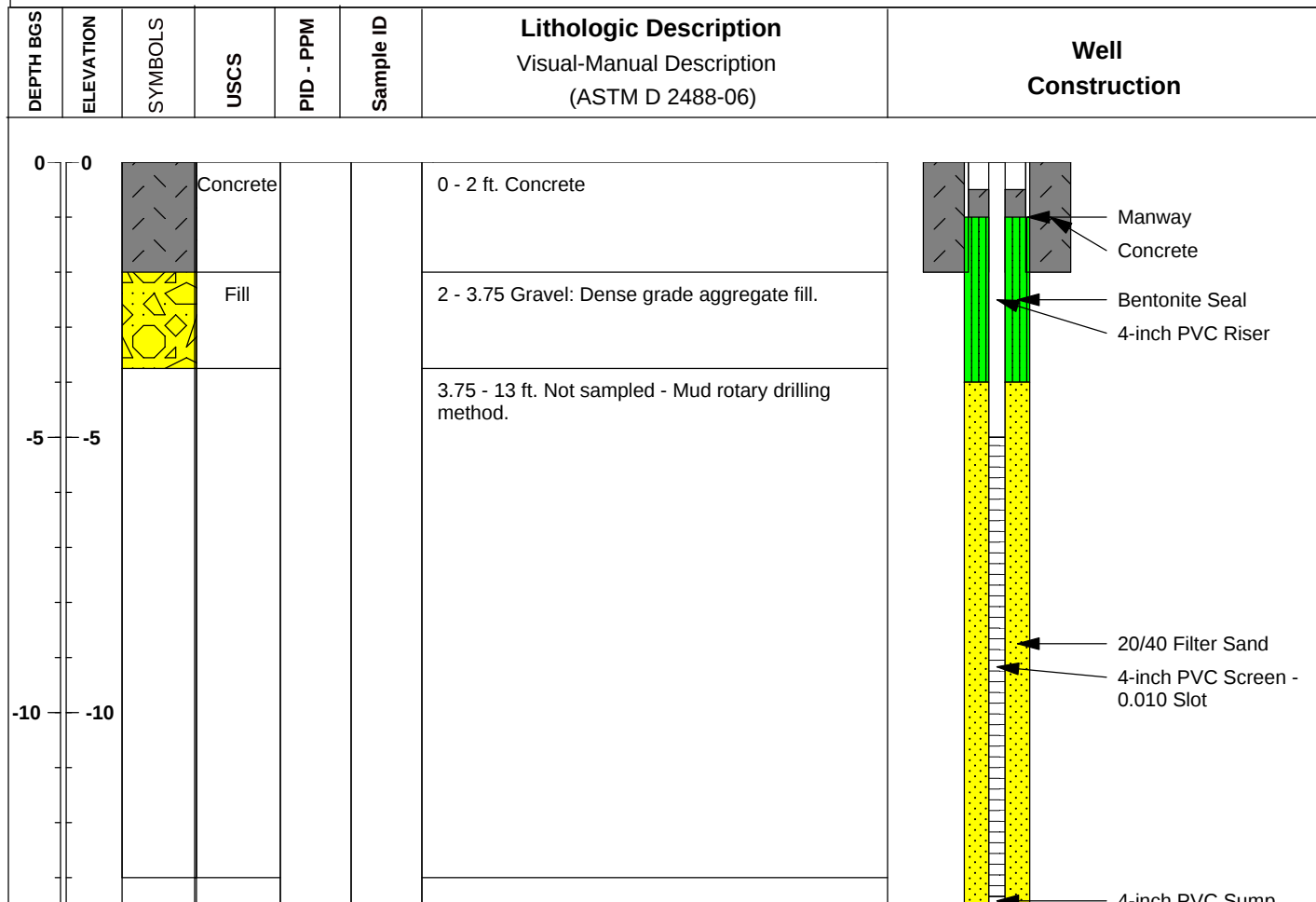


NOTES: Boring terminated at 25 ft bgs (No refusal).
Boring converted to 4"-diameter monitoring well via mud rotary and Solid Stem Auger.

No sample collected due to drilling method.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/21/2014	Northing: 953764.4828
Location: Syracuse, New York	End Date: 5/23/2014	Easting: 1124775.8233
Project #: 0888815577	Drilling Method: Mud Rotary and SSA	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 13.5 ft bgs

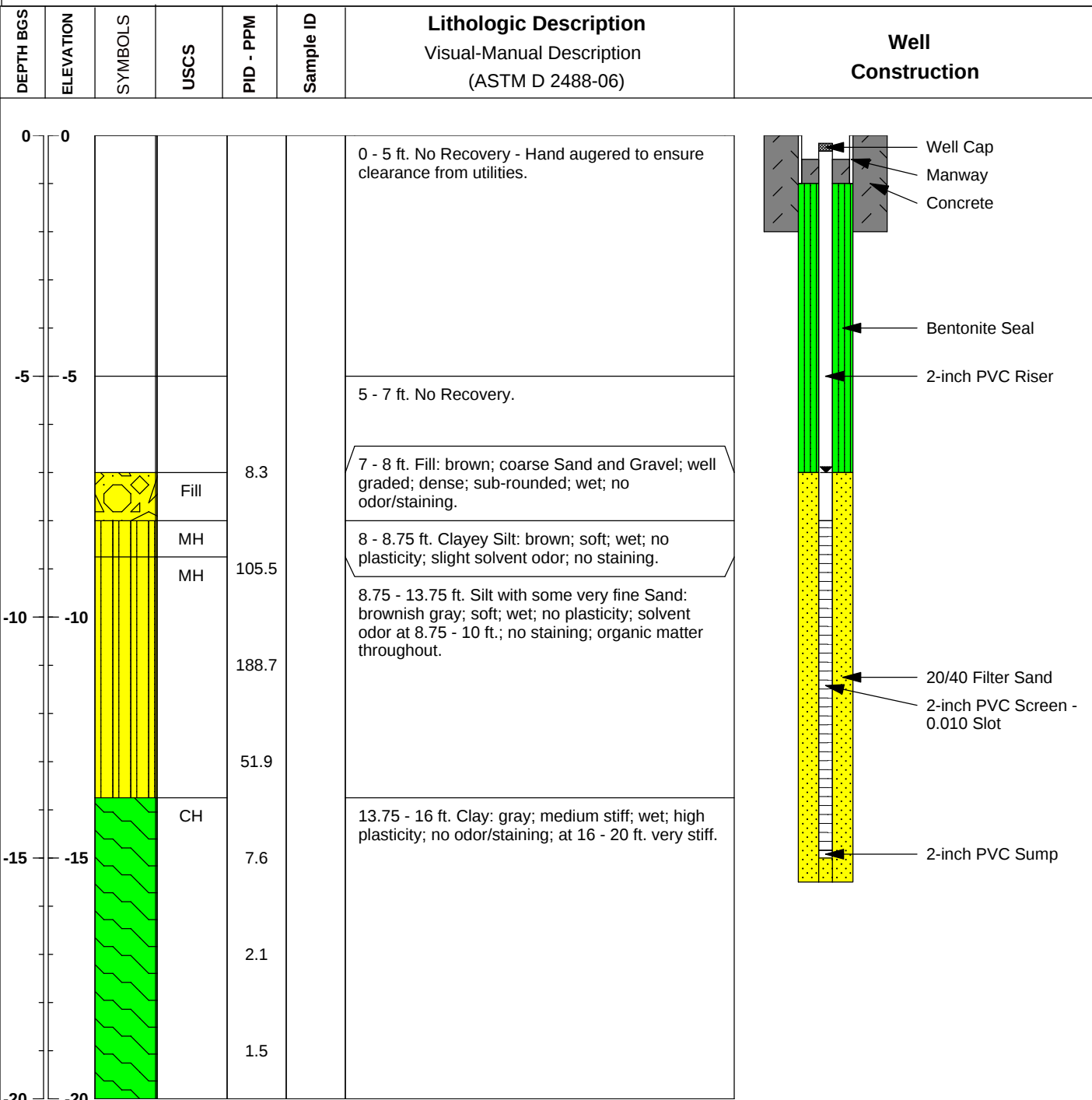


NOTES: Boring terminated at 13.5 ft bgs (No refusal).
Boring converted to 4"-diameter monitoring well via mud rotary and Solid Stem Auger.

No sample collected due to drilling method.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/21/2014	Northing: 953736.8565
Location: Syracuse, New York	End Date: 5/21/2014	Easting: 112845.9271
Project #: 0888815577	Drilling Method: DPT and HAS	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

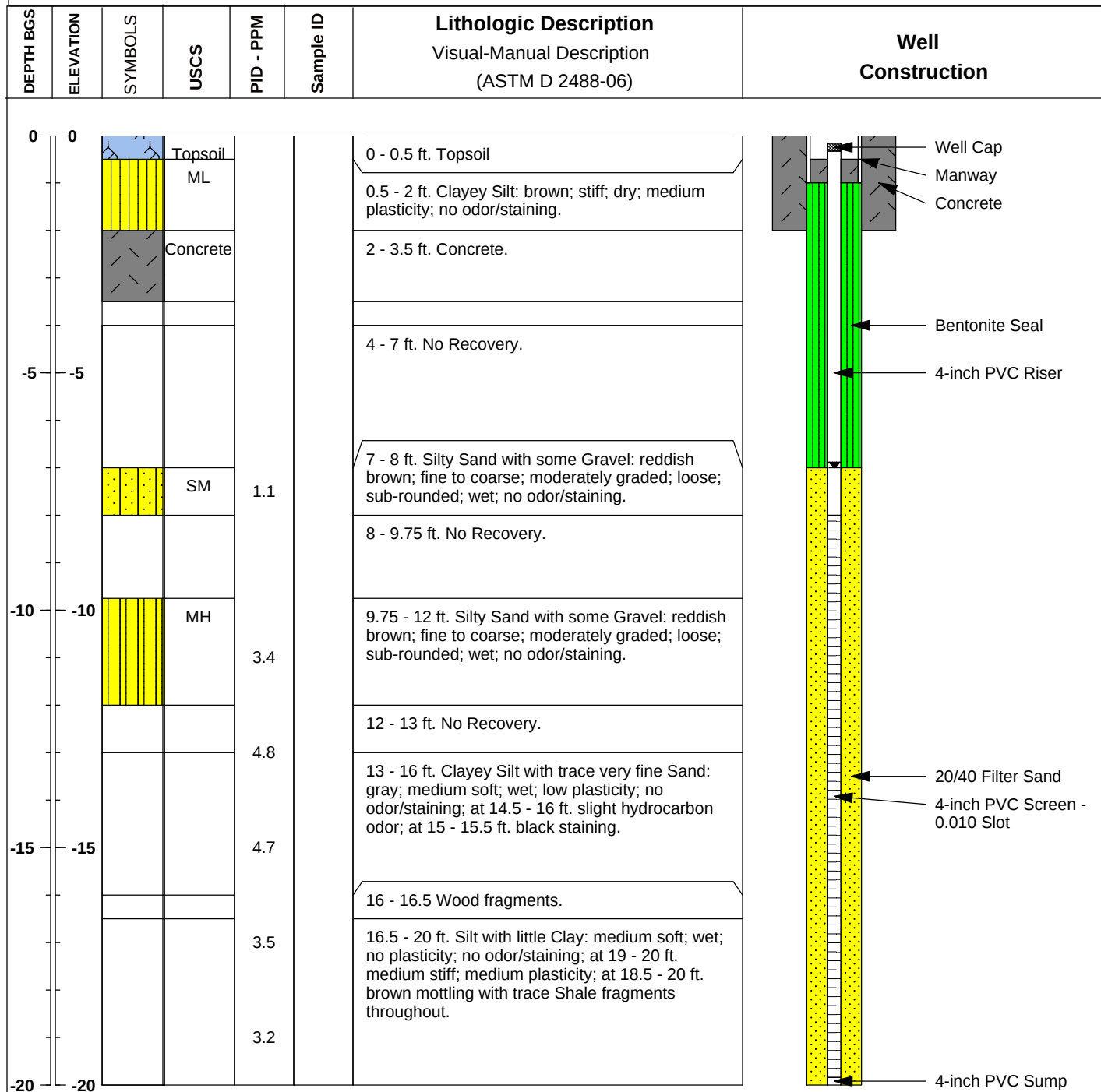


NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to 2"-diameter monitoring well via Hollow Stem Auger.

No sample collected due to potentiometric surface elevation.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/20/2014	Northing: 953743.7231
Location: Syracuse, New York	End Date: 5/20/2014	Easting: 1124773.428
Project #: 0888815577	Drilling Method: HQ Core/DPT/HSA	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

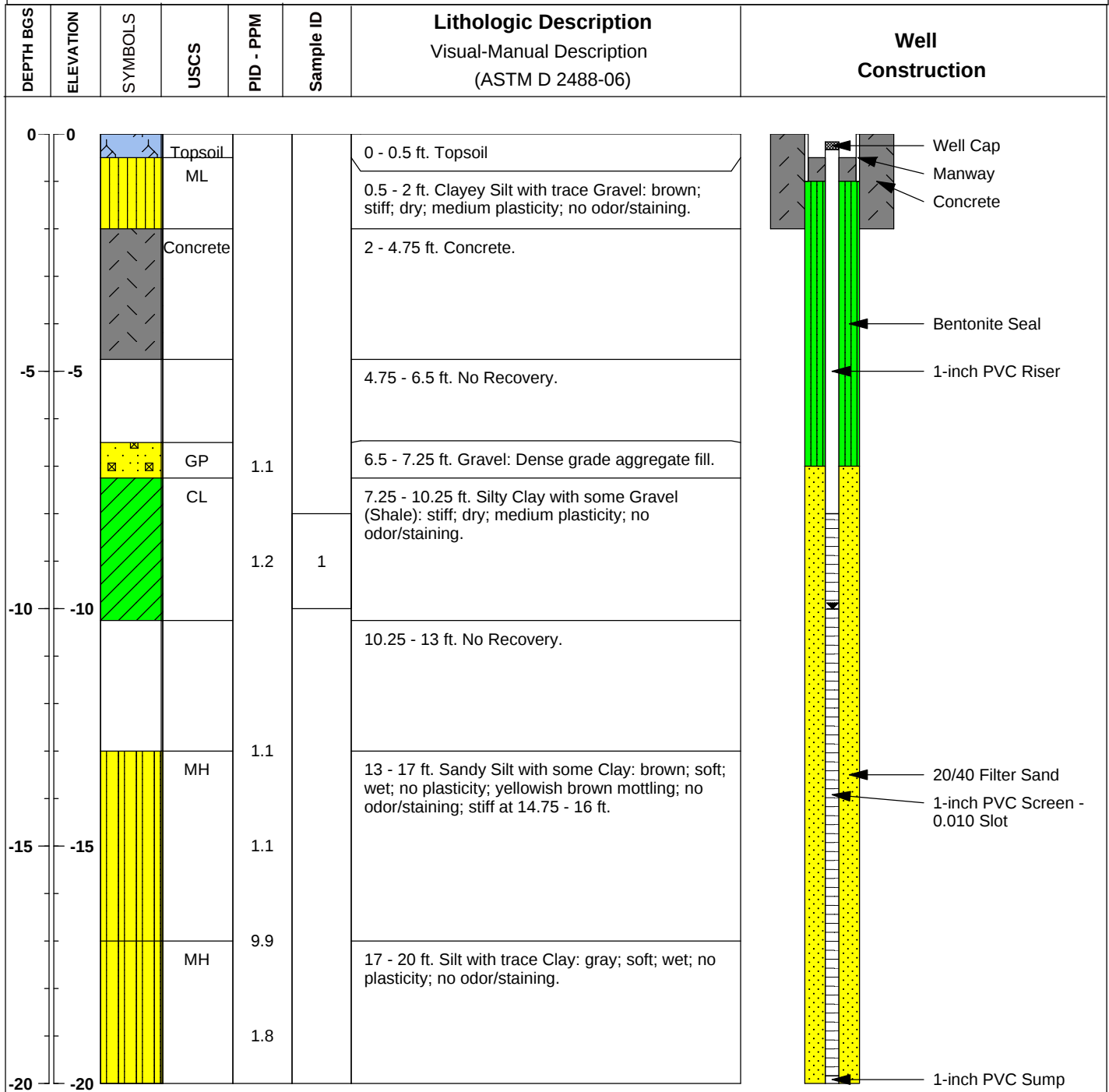


NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to 4"-diameter monitoring well via HSA.

No sample collected due to potentiometric surface elevation.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/20/2014	Northing: 953814.785
Location: Syracuse, New York	End Date: 5/20/2014	Easting: 1124753.1474
Project #: 0888815577	Drilling Method: DPT and HQ Core	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

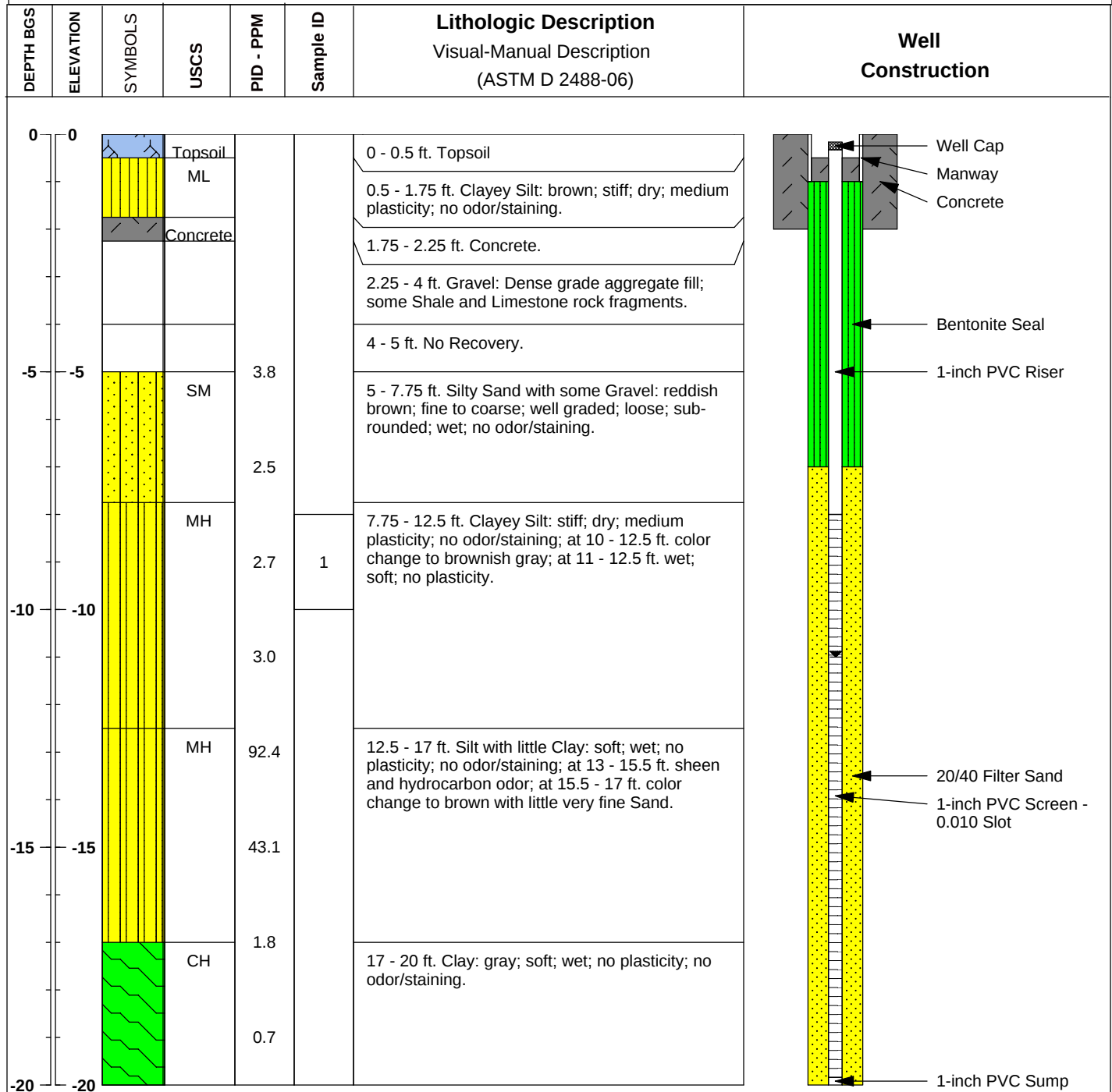


NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to piezometer.

1 = PLR056S0514

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

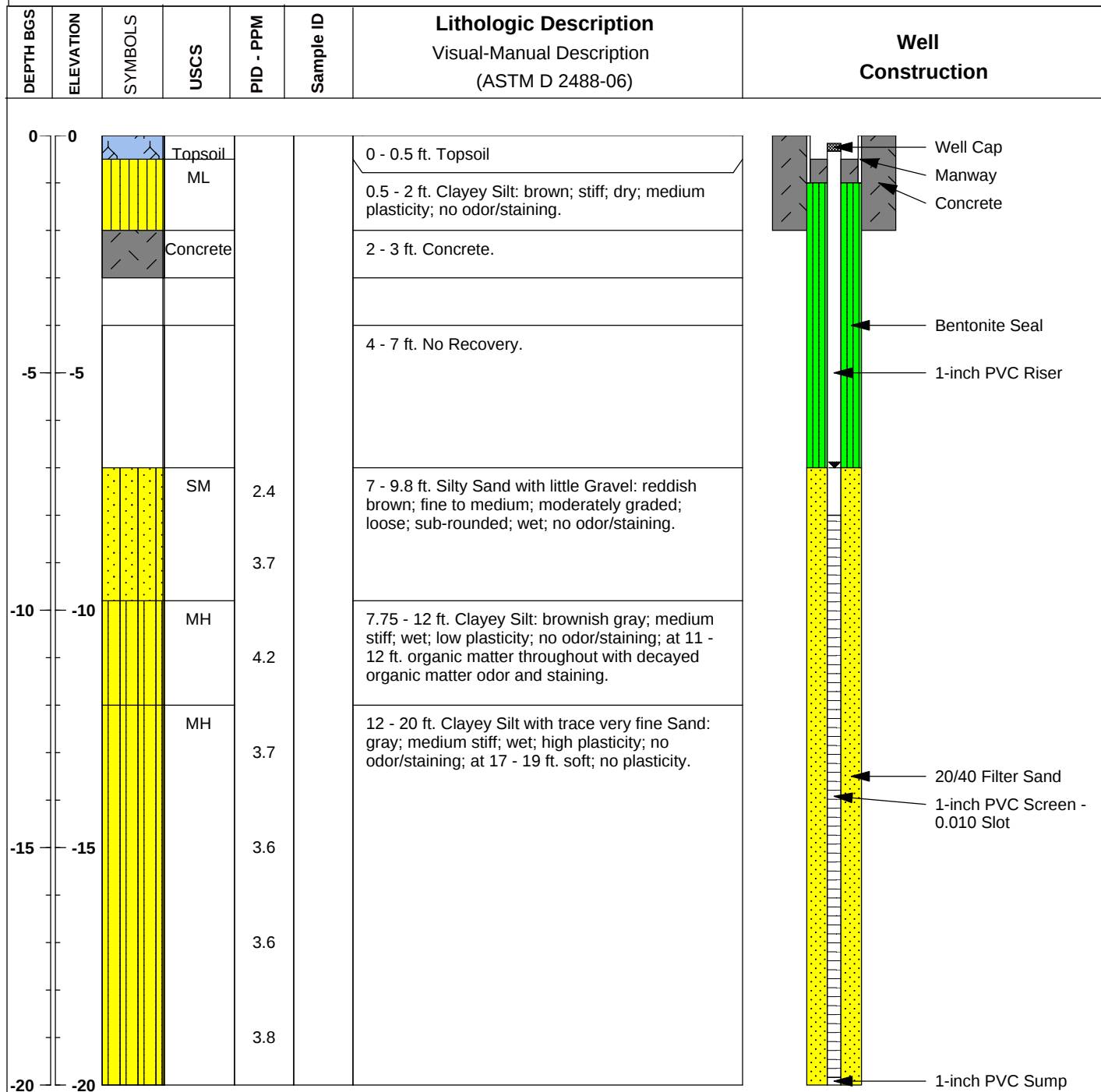
Client: Carrier Corporation	Start Date: 5/20/2014	Northing: 953795.3028
Location: Syracuse, New York	End Date: 5/21/2014	Easting: 1124752.349
Project #: 0888815577	Drilling Method: DPT and HQ Core	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

**NOTES:** DPT terminated at 20 ft bgs (No refusal).
Boring converted to piezometer.

1 = PLR057S0514

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/20/2014	Northing: 953745.4797
Location: Syracuse, New York	End Date: 5/20/2014	Easting: 1124752.6684
Project #: 0888815577	Drilling Method: DPT and HQ Core	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

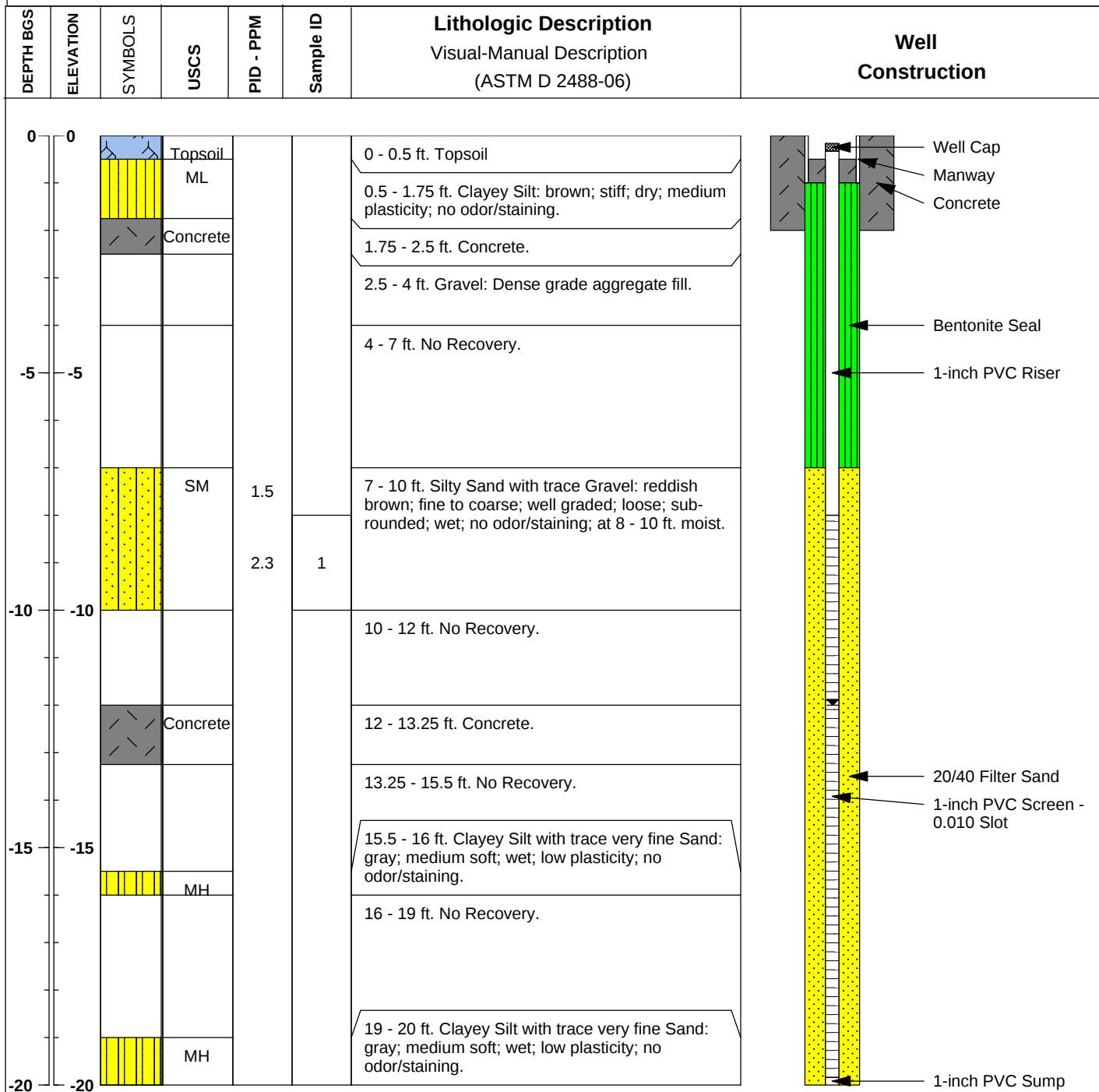


NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to piezometer.

No sample collected due to potentiometric surface elevation.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/20/2014	Northing: 953741.6472
Location: Syracuse, New York	End Date: 5/23/2014	Easting: 1124805.2062
Project #: 0888815577	Drilling Method: DPT and HQ Core	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

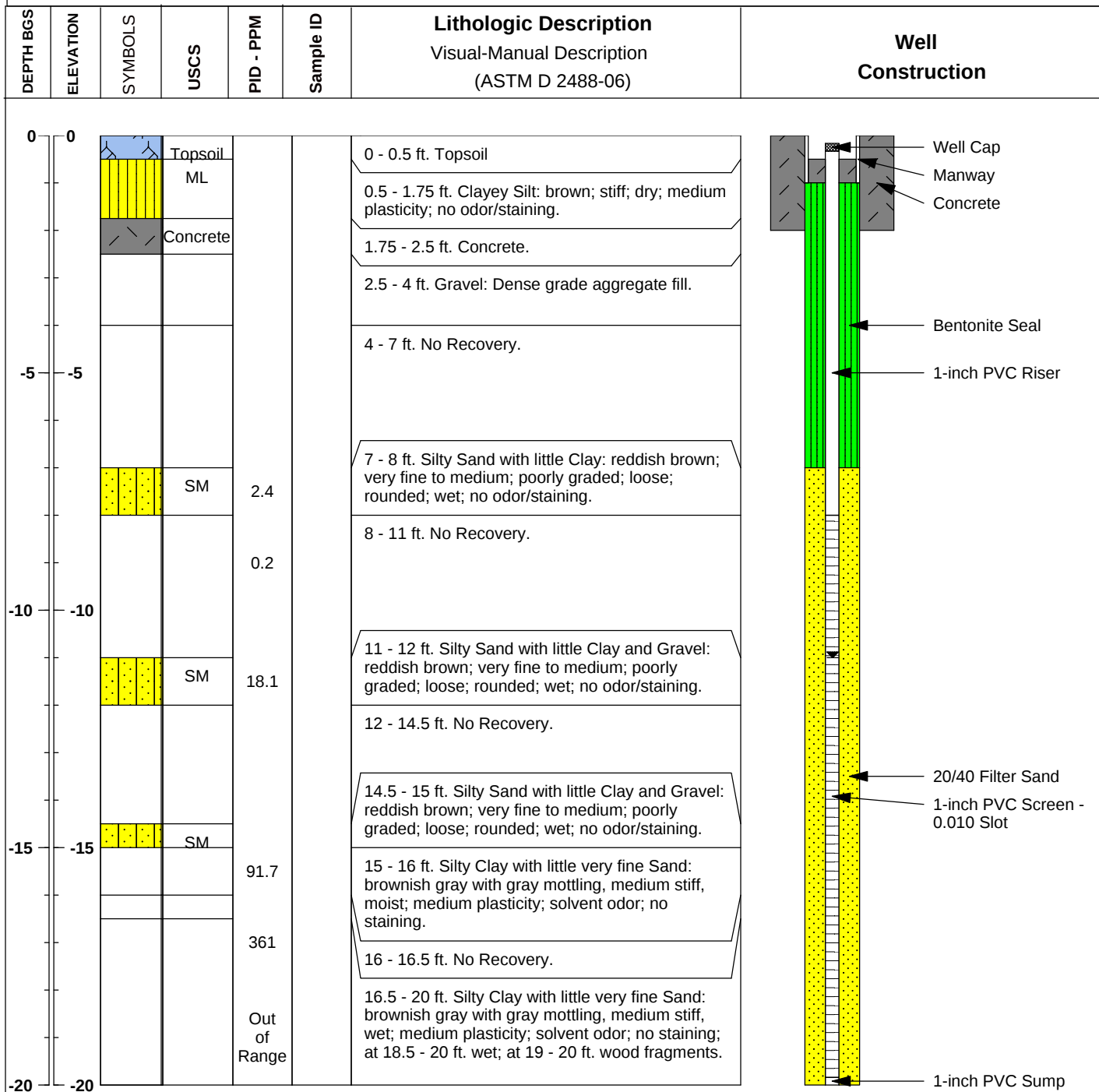


NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to piezometer.

1 = PLR060S0514

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/20/2014	Northing: 953741.6472
Location: Syracuse, New York	End Date: 5/20/2014	Easting: 1124805.2062
Project #: 0888815577	Drilling Method: DPT and HQ Core	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs

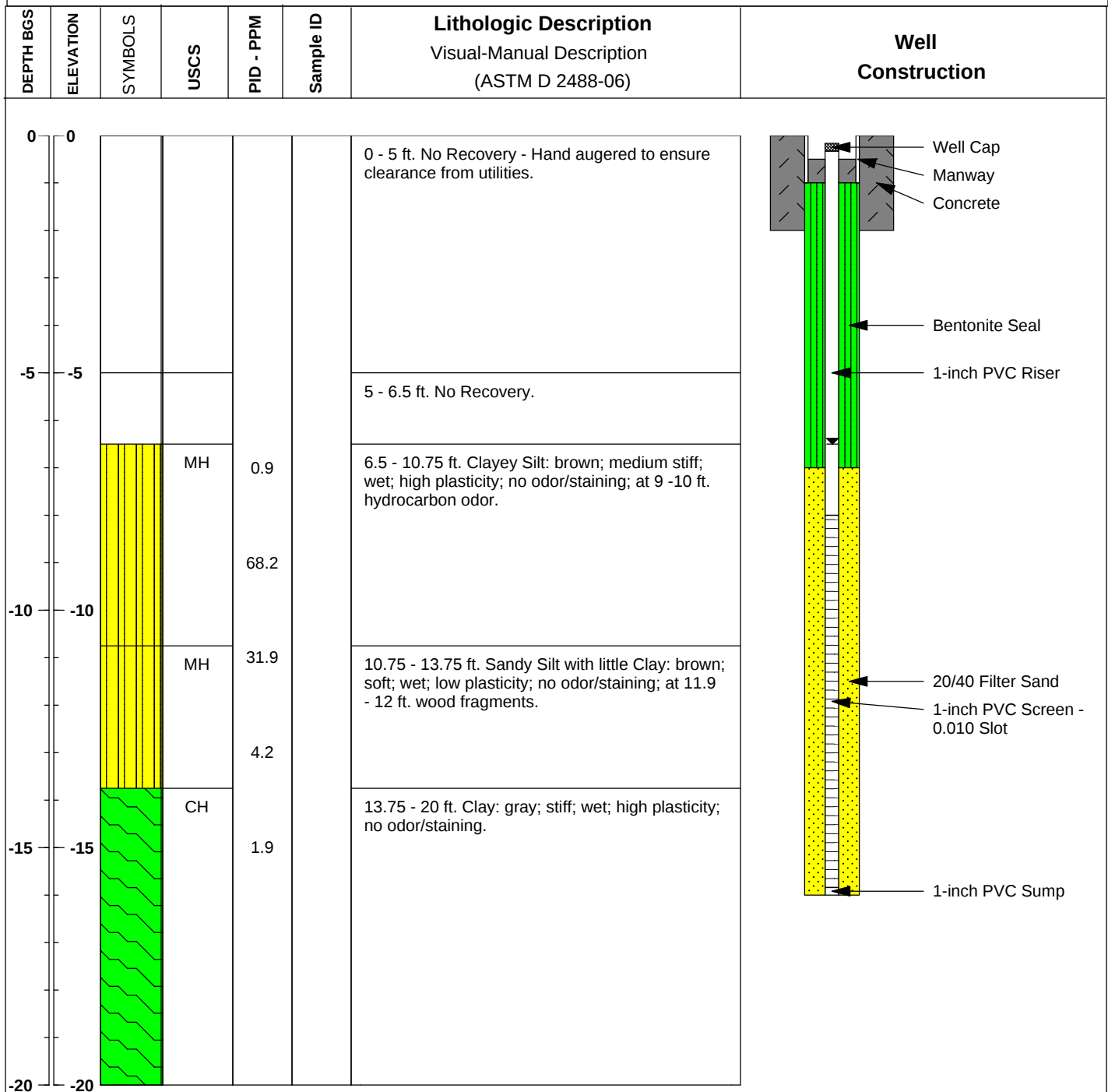


NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to piezometer.

No sample collected due to potentiometric surface elevation.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Client: Carrier Corporation	Start Date: 5/22/2014	Northing: 953699.1697
Location: Syracuse, New York	End Date: 5/22/2014	Easting: 112844.6495
Project #: 0888815577	Drilling Method: DPT	TOC Elevation: Not Surveyed
Purpose: Environmental Investigation	Drilling Contractor: Parratt Wolff	Surface Elevation FT: Not Surveyed
Well Owner: Carrier Corporation	Geologist: S. Goodnight	Total Depth FT: 20 ft bgs



NOTES: DPT terminated at 20 ft bgs (No refusal).
Boring converted to piezometer.

No sample collected due to potentiometric surface elevation.

FT = feet
TOC = Top of Casing
bgs = below ground surface
DPT = Direct Push Technology

Appendix B
Monitoring Well Construction and Potentiometric Data

**Summary of MH3 Oil Source Investigation
Monitoring Well Construction
and Potentiometric Measurement Data
Carrier Corporation Thompson Road Facility
Syracuse, New York**

Appendix B

Well ID	Area	Boring TD feet bgs	Well TD feet bgs	Well Diameter Inches	Screen Length feet bgs	[A] Top of Casing Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C]] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C]] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet
MH3 Oil Source Investigation							5/23/2014				5/28/2014			
PLR056	SWTB Exterior	20.00	18.12	1	8 - 20	Not Surveyed	NA	12.91	NA	---	NA	12.76	NA	---
PLR057	SWTB Exterior	20.00	19.00	1	8 - 20	Not Surveyed	NA	12.67	NA	---	NA	12.77	NA	---
PLR058	SWTB Exterior	20.00	19.00	1	8 - 20	Not Surveyed	NA	11.22	NA	---	NA	11.81	NA	---
MW54 (PLR059)	SWTB Exterior	20.00	20.72	4	8 - 20	Not Surveyed	11.80	11.81	0.01	---	NA	12.38	NA	---
PLR060	SWTB Exterior	20.00	18.94	1	8 - 20	Not Surveyed	NA	Dry**	NA	---	NA	12.21	NA	---
PLR061	SWTB Exterior	20.00	19.62	1	8 - 20	Not Surveyed	NA	11.91	NA	---	NA	13.07	NA	---
MW53 (PLR062)	North of TR-3 Wall	20.00	14.70	2	4 - 16	Not Surveyed	NA	7.18	NA	---	NA	7.06	NA	---
PLR063	North of TR-3 Wall	20.00	15.77	1	6 - 16	Not Surveyed	NA	7.72	NA	---	7.71	7.72	0.01	---
MW51	Inside SWTB	25.00	24.65	4	5 - 25	Not Surveyed	NA	---	NA	---	NA	12.75	NA	---
MW52*	Inside SWTB	13.50	15.45	4	5.5 - 13.5	Not Surveyed	NA	---	NA	---	NA	8.77	NA	---

Free Product observed during event

Specific Gravity [S.G.] of Hydrocarbons = 0.73

Note: Groundwater Elevation = [A] - [C] + (S.G.[C - B])

TD = Total Depth

bgs = below ground surface

--- Not measured

* Constructed with standpipe

NA = Not Applicable

** Prior to advancing through concrete encountered at 12' bgs

Appendix C
Monitoring Well Purging Record Forms

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5.28.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Oil Investigation	EVENT: Initial Development / Sampling		
WELL ID: PLR 063	LOCATION: UTC / Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 76°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft): 15.77	START: 1515	FINISH: 1530
DEPTH TO WATER from TOC (ft): 7.66	VOLUME PURGED (gal): Dry @ .50 gal	
LENGTH OF WATER COL (ft): 8.11	GROUNDWATER SAMPLING 5-29-14	
1 VOLUME OF WATER (gal): .32	START: 1254	FINISH: 1310
3 VOLUMES OF WATER (gal): .97	VOLUME PURGED (gal): .35	
	ANALYSIS:	

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	N	mg/L
SULFIDE	/	mg/L	ALKALINITY	/	mg/L	/	mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L	A	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT ☒ SAMPLING ☐	☐ Bailer ☒ Pump	Description:
Time (hh:mm): 1254 1300 1310		turbid, grey, fatty
pH (units): 8.33 7.84 7.70		w/ strong odor.
Conductivity (mS/cm): .656 .683 .686		
Turbidity (NTU): — 781 603		
DO (mg/L): Horiba — — —		
YSI — — —		
Temperature (C°): 15.0 13.2 13.6		
ORP (mV): -112 -116 -88		
Volume Purged (gal): — — —		
Depth to Water (ft): 7.68 — —		
Open ORP: mV N / N / N		
E _h / /		
Ref mV A A A		Well Goes Dry While Purging

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR063G0514	5-29-14	1300	8	NA	

Purging/Sampling Device Decon Process:

COMMENTS:

During Purging before sampling product was purged through tubing into horiba.

Purge water placed in drum ✓

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5/28/14 - 5/29/14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigation	EVENT: Initial Sampling / Development		
WELL ID: PLR 062	LOCATION: UTC / Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 2"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 14.70	START: 1540	FINISH: 1558
DEPTH TO WATER from TOC (ft.): 7.12	VOLUME PURGED (gal): 6 galls. then went dry	
LENGTH OF WATER COL. (ft.): 7.58	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal): 1.21	START: 1440	FINISH: 1506
3 VOLUMES OF WATER (gal): 3.63	VOLUME PURGED (gal): N/A	
	ANALYSIS: N/A	

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	N	mg/L
SULFIDE	/	mg/L	ALKALINITY	/	mg/L	/	mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L	A	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING				☐ Bailer ☒ Pump	Description:
Time (hh:mm):	1440	1447	1500	1506		
pH (units):	7.58	7.73	7.74	7.65		* Clear H ₂ O
Conductivity (mS/cm):	.775	.958	.969	.967		
Turbidity (NTU):	65.0	44.7	39.9	38.0		
DO (mg/L):	Horiba N/A	N/A	N/A	N/A		
	YSI A	A	A	A		
Temperature (C°):	19.94	12.92	12.14	11.88		
ORP (mV):	8	-4	4	10		
Volume Purged (gal):	—	—	—	—		
Depth to Water (ft):	7.08	—	—	—		
Orion ORP:	mV N/A	N/A	N/A	N/A		
	E _H /	/	/	/		
	Ref mV A	A	A	A		
Well Goes Dry While Purging ☐						

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR062G0514	5/29/14	1450	8	NA	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5-28-14 - 5-29-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigation	EVENT:		
WELL ID: PLR 061	LOCATION:		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft): 19.62	START: 1621	FINISH: 1638
DEPTH TO WATER from TOC (ft): 13.02	VOLUME PURGED (gal): .25 gal. well went dry	
LENGTH OF WATER COL. (ft): 6.6	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal): .27	START: 5-28-14 1700	FINISH: 5-28-14 1830
3 VOLUMES OF WATER (gal): .80	VOLUME PURGED (gal): —	
	ANALYSIS: —	

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	N	mg/L
SULFIDE		mg/L	ALKALINITY		mg/L		mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L	A	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT ☒ SAMPLING ☐	☐ Bailer ☐ Pump	Description:
Time (hh:mm):	1633 1637 1645	* Clear to start
pH (units):	7.92 7.92 7.91	then turbid - went
Conductivity (mS/cm):	.706 .784 .507	dry @ 1655
Turbidity (NTU):	77 141 143	let recharge
DO (mg/L): Horiba	— — —	
YSI	— — —	
Temperature (°C):	20.91 18.46 17.04	
ORP (mV):	87 101 101	
Volume Purged (gal):	— — —	
Depth to Water (ft):	1315 — —	
Orion ORP: mV	N / N / N	
E _s	— — —	
Ref mV	A / A / A	
Well Goes Dry While Purging ☐		

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR061G0514	5-29-14	1700	—	—	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5-29-14 5-29-14 - 5-30-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: M-3 Investigation	EVENT: Initial Sampling Development		
WELL ID: P.L.R. 060	LOCATION: UTC - Carrier - Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL ID: 1"	WELL DEVELOPMENT 5.29.14	
TOTAL DEPTH from TDC ft.: 18.94	START: 1651	FINISH: 1720
DEPTH TO WATER from TDC ft.: 9.38	VOLUME PURGED (gal): 5.25 galls	
LENGTH OF WATER COL. ft.: 9.56	GROUNDWATER SAMPLING 5.30.14	
VOLUME OF WATER (gal): 1.52	START: 0900	FINISH: 0930
VOLUMES OF WATER (gal): 4.58	VOLUME PURGED (gal): —	
ANALYSIS: —		

WHA FIELD RESULTS

FERRIC IRON	mg/L	CHLORIDE	mg/L	N/A	mg/L
SILFIDE	mg/L	ALKALINITY	mg/L	N/A	mg/L
SILFATE	mg/L	CO ₂	mg/L	A	mg/L

IN-SITU TESTING

DATE	DEVELOPMENT	SAMPLING	□ Bailer □ Pump	Description:
Time Interval:	0900	0915	0919	* Clear
Conductivity (mS/cm):	375	365	361	
Temperature (°F):	146	623	481	
DO (mg/L):	—	—	—	
pH:	—	—	—	
Redox (mV):	3.9	2.53	0.92	
ORP (mV):	-25	-35	-36	
Depth to Water (ft):	1.12	—	—	
Flow (gpm):	N/A	N/A	N/A	
Remarks:	A	A	A	

Well Goes Dry While Purging ☐

SAMPLE DATA

Sample ID	Date	Time	Bottles	Filtered	Remarks
P.L.R. 060514	5/30/14	0930	8	—	

Purging/Sampling Device Decom Process:

COMMENTS:

Purge water placed in drum

5/30/14, Revised 10/20/06

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5.29.14 - 5.30.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigation	EVENT: Initial Sampling / Development		
WELL ID: PLR 059	LOCATION: UTC / Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 76°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 4"	WELL DEVELOPMENT 5.29.14	
TOTAL DEPTH from TOC (ft.): 20.72	START: 1730	FINISH: 1820
DEPTH TO WATER from TOC (ft.): 9.06	VOLUME PURGED (gal): 15 galls. then dry	
LENGTH OF WATER COL. (ft.): 11.66	GROUNDWATER SAMPLING 5.30.14	
1 VOLUME OF WATER (gal): 7.57	START: 0930	FINISH: 0955
3 VOLUMES OF WATER (gal): 22.73	VOLUME PURGED (gal): Dry @ 6 galls.	
	ANALYSIS: —	

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	N	mg/L
SULFIDE	/	mg/L	ALKALINITY	/	mg/L	/	mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L	A	mg/L

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☒ Pump	Description:
Time (hh:mm):	0933	0938	0944	0949
pH (units):	8.38	8.28	8.26	8.20
Conductivity (mS/cm):	2.04	2.10	2.11	2.08
Turbidity (NTU):	800+	648	471	460
DO (mg/L):	Horiba	—	—	—
	YSI	—	—	—
Temperature (C°):	12.8	13.14	13.34	13.33
ORP (mV):	-64	-60	-66	-63
Volume Purged (gal):	—	—	—	—
Depth to Water (ft):	—	—	—	—
Orion ORP:	mV	N	N	N
	E _H	/	/	/
	Rel mV	A	A	A
Well Goes Dry While Purging ☐				

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR059G0514	5.30.14	0955	8	8	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drums ☒

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5-29-14 - 5-30-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigation	EVENT: Initial Sampling / Development		
WELL ID: PLR 058	LOCATION: UTC / Carrier / Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft): 19'	START: 1015	FINISH: 1035
DEPTH TO WATER from TOC (ft): 11.06	VOLUME PURGED (gal): Dry @ .25 gal	
LENGTH OF WATER COL (ft): 7.94	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal): .31	START: 1006	FINISH: 1030
3 VOLUMES OF WATER (gal): .95	VOLUME PURGED (gal):	
	ANALYSIS:	

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	mg/L
SULFIDE	/	mg/L	ALKALINITY	/	mg/L	mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L	mg/L

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer	☐ Pump	Description:
Time (hh:mm):	1010	1013	1017	1020	* light brown color
pH (units):	7.94	7.94	7.94	7.95	Foamy w/ odor
Conductivity (mS/cm):	1.12	1.08	1.10	1.10	
Turbidity (NTU):	—	—	—	—	
DO (mg/L):	Horiba	—	—	—	
	YSI	—	—	—	
Temperature (C°):	12.57	12.86	13.06	13.13	
ORP (mV):	-41	-42	-43	-44	
Volume Purged (gal):	—	—	—	—	
Depth to Water (ft):	11.66	—	—	—	
Orion ORP:	mV	N	N	N	
	E _a	/	/	/	
	Rel mV	A	A	A	
Well Goes Dry While Purging ☐					

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR 0586 0514	5-30-14	1030	8	—	.

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum: ☒

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5.29.14 - 5.30.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Oil Investigation	EVENT: Initial Sampling / Development		
WELL ID: PLR 057	LOCATION: UTC - Carrier - Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	5.29 WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft): 19.0	START: 1042 FINISH: 1106
DEPTH TO WATER from TOC (ft): 12.91	VOLUME PURGED (gal): 2.5 wait dry
LENGTH OF WATER COL. (ft): 6.09	5.30 GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal): .25	START: 1045 FINISH: 1100
3 VOLUMES OF WATER (gal): .75	VOLUME PURGED (gal):
	ANALYSIS:

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	mg/L
SULFIDE		mg/L	ALKALINITY		mg/L	mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT		SAMPLING		☐ Bailer ☐ Pump		Description:	
Time (hh:mm):	1053	1056	1100				
pH (units):	8.16	8.11	8.08				
Conductivity (mS/cm):	.978	.968	.959				
Turbidity (NTU):	—	—	—				
DO (mg/L):	Horiba	—	—				
	YSI	—	—				
Temperature (C°):	15.33	14.79	14.34				
ORP (mV):	-5	-15	-19				
Volume Purged (gal):	—	—	—				
Depth to Water (ft):	—	—	—				
Orion ORP:	mV	N	N				
	E _h	N	N				
	Rel mV	A	A				
Well Goes Dry While Purging ●							

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR 05760514	5.30.14	1145	8	—	—

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drums: ☒

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5.29 - 5.30.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Oil Investigation	EVENT: Initial Well Development / Sampling		
WELL ID: PLR 056	LOCATION: UTC / Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 78° F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft): 18.12	START: 1300	FINISH: 1310
DEPTH TO WATER from TOC (ft): 13.16	VOLUME PURGED (gal): .25	gall then dry
LENGTH OF WATER COL. (ft): 4.96	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal): .20	START: N	FINISH: N
3 VOLUMES OF WATER (gal): .60	VOLUME PURGED (gal):	
	ANALYSIS: A	A

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L	N	mg/L
SULFIDE		mg/L	ALKALINITY		mg/L		mg/L
SULFATE	A	mg/L	CO ₃	A	mg/L	A	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING			☐ Bailer ☒ Pump	Description:
Time (hh:mm):	1305	1310	1315		* very turbid - no recharge
pH (units):	8.90	8.94	8.95		
Conductivity (mS/cm):	1.00	1.15	1.16		
Turbidity (NTU):	0.0	0.0	0.0		
DO (mg/L):	Horiba				
	YSI				
Temperature (C°):	22.35	22.48	22.7		
ORP (mV):	-58	-53	-48		
Volume Purged (gal):					
Depth to Water (ft):					
Onion ORP: mV	N/A	N/A	N/A		
	E _h				
	Rel mV	A	A	A	
Well Goes Dry While Purging ☒					

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
No sample collected - insub. vol. in well					

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drums ☒

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 5.30.14		JOB NUMBER:		PHASE:	TASK:
PROJECT: MH3 Oil Investigation		EVENT: Initial Sampling			
WELL ID: MW 51		LOCATION: UTC - Corrier			
WEATHER CONDITIONS: Indoors		AMBIENT TEMP: 68-70°F			
REVIEWED BY:		PERSONNEL: M. Crawford			
WELL DIA:					

WELL DIA: 4"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 24.65	START: N	FINISH: N
DEPTH TO WATER from TOC (ft.): 13.46	VOLUME PURGED (gal): 1	4
LENGTH OF WATER COL. (ft.): 11.19	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal): 7.3	START: 1352	FINISH: 1450
3 VOLUMES OF WATER (gal): 22	VOLUME PURGED (gal): —	
	ANALYSIS: —	

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L		mg/L
SULFIDE		mg/L	ALKALINITY		mg/L		mg/L
SULFATE	A	mg/L	CO ₂	A	mg/L		mg/L

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING		☐ Bailer ☒ Pump	Description:			
Time (hh:mm):	1437	1441	1446					
pH (units):	8.96	8.26	8.23					
Conductivity (mS/cm):	2.09	2.09	2.29					
Turbidity (NTU):	44.8	51.8	48.7					
DO (mg/L):	Horiba	N/A	N/A					
	YSI	N/A	N/A					
Temperature (C°):	19.55	17.43	15.88					
ORP (mV):	-3	-28	-32					
Volume Purged (gal):	—	—	—					
Depth to Water (ft):	—	—	—					
Orion ORP:	mV	—	—					
	E _h	—	—					
	Rel mV	—	—					
Well Goes Dry While Purging ☐								

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CAR MW5160514	5-30-14	1450	8	—	—

Purging/Sampling Device Decon Process:

COMMENTS: well developed by drillers on day of install
55+ galls evacuated.

Purge water placed in drum#

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DATE: 5-30-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: M43 02 Investigation	EVENT: Initial Sampling		
WELL ID: MW 52	LOCATION: JTC - Carrier		
WEATHER CONDITIONS: Indirect	AIRSENT TEMP: 65-70°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL LOG		WELL DEVELOPMENT	
TOTAL DEPTH-From TDC (ft.)	15.45	START	FINISH
DEPTH TO WATER-From TDC (ft.)	9.17	VOLUME PURGED (gal)	A
LENGTH OF WATER COL. (ft.)	6.28	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal)	4.18	START	FINISH
2 VOLUMES OF WATER (gal)	2.30	1535	1550
		VOLUME PURGED (gal)	—
		ANALYSIS	—

PERMITS FROM	NO. 1	NO. 2	NO. 3	NO. 4
SALFEE	1	2	3	4
SALFEE	1	2	3	4

[illegible]

Sample ID	Site	Date	Depth	Volume	Remarks
CRAN SL-0514	S-30-44	1550	6	—	—

Sampling/Analysis/Action/Status/Process

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Appendix D
Laboratory Analytical Reports

Included on CD

ANALYTICAL REPORT

Job Number: 240-37612-1

Job Description: MH3 Oil Source Investigation

For:

EnSafe, Inc.

220 Athens Way, Plaza 1, Suite 410

Nashville, TN 37228

Attention: Ms. May Heflin



Approved for release.
Amy L. McCormick
Project Manager II
6/10/2014 9:28 AM

Amy L. McCormick, Project Manager II
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06/10/2014

cc: Shane Goodnight
Final Data Tracking

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.

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CASE NARRATIVE

Client: EnSafe, Inc.

Project: MH3 Oil Source Investigation

Report Number: 240-37612-1

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

For soil 8260 VOCs: Cyclohexane is not included in our New York certification.

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

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

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

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

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

RECEIPT

The samples were received on 5/22/2014 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 05/22/2014 and 05/23/2014 and analyzed on 05/27/2014.

The continuing calibration verification (CCV) associated with batch 132139 recovered above the upper control limit for Dichlorodifluoromethane and 1,2-Dibromo-3-Chloropropane. Samples (CCVIS 240-132139/3), (LCS 240-132139/5), (MB 240-132139/7), PLR057S0514 (240-37612-2), and PLR060S0514 (240-37612-1) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The CCV had Methyl Tert-Butyl Ether failing the 20 percent recovery, but was detected in the MRL. This compound was not detected in samples (CCVIS 240-132139/3), (LCS 240-132139/5), (MB 240-132139/7), PLR057S0514 (240-37612-2), PLR060S0514 (240-37612-1).

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/23/2014 and analyzed on 06/06/2014.

No difficulties were encountered during the SVOCs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared and analyzed on 05/29/2014.

Sample PLR057S0514 (240-37612-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for PLR060S0514MS (240-37612-1MS).

Several analytes failed the recovery criteria low for the MS of sample PLR060S0514MS (240-37612-1) in batch 240-132486. Several analytes exceeded the RPD limit for the MSD of sample PLR060S0514MSD (240-37612-1) in batch 240-132486. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/28/2014 and analyzed on 05/30/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Sample PLR057S0514 (240-37612-2) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 06/03/2014 and analyzed on 06/05/2014.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

MERCURY

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 06/03/2014 and analyzed on 06/04/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples PLR060S0514 (240-37612-1) and PLR057S0514 (240-37612-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/23/2014.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37612-1	PLR060S0514					
Methylene Chloride		0.76	J B	4.2	ug/Kg	8260C
Trichloroethene		21		4.2	ug/Kg	8260C
Acenaphthene		9.4		7.5	ug/Kg	8270D
Anthracene		14		7.5	ug/Kg	8270D
Benzo[a]anthracene		36		7.5	ug/Kg	8270D
Benzo[a]pyrene		22		7.5	ug/Kg	8270D
Benzo[b]fluoranthene		34		7.5	ug/Kg	8270D
Benzo[g,h,i]perylene		14		7.5	ug/Kg	8270D
Benzo[k]fluoranthene		12		7.5	ug/Kg	8270D
Chrysene		33		7.5	ug/Kg	8270D
Fluoranthene		93		7.5	ug/Kg	8270D
Fluorene		8.3		7.5	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		11		7.5	ug/Kg	8270D
Phenanthrene		73		7.5	ug/Kg	8270D
Pyrene		73		7.5	ug/Kg	8270D
4,4'-DDD		2.6		1.9	ug/Kg	8081B
4,4'-DDT		1.4	J	1.9	ug/Kg	8081B
Barium		24		19	mg/Kg	6010C
Cadmium		0.086	J	0.49	mg/Kg	6010C
Chromium		4.6		0.97	mg/Kg	6010C
Arsenic		6.9		1.5	mg/Kg	6010C
Lead		4.0		0.97	mg/Kg	6010C
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37612-2	PLR057S0514					
2-Butanone (MEK)		5.3	J	19	ug/Kg	8260C
Acetone		30		19	ug/Kg	8260C
cis-1,2-Dichloroethene		7.3		4.9	ug/Kg	8260C
Vinyl chloride		0.76	J	4.9	ug/Kg	8260C
Acenaphthene		4.1	J	7.9	ug/Kg	8270D
Anthracene		5.1	J	7.9	ug/Kg	8270D
Benzo[a]anthracene		8.6		7.9	ug/Kg	8270D
Benzo[a]pyrene		5.7	J	7.9	ug/Kg	8270D
Benzo[b]fluoranthene		8.1		7.9	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		30	J	83	ug/Kg	8270D
Chrysene		6.6	J	7.9	ug/Kg	8270D
Fluoranthene		24		7.9	ug/Kg	8270D
Fluorene		4.3	J	7.9	ug/Kg	8270D
Phenanthrene		23		7.9	ug/Kg	8270D
Pyrene		17		7.9	ug/Kg	8270D
Barium		52		19	mg/Kg	6010C
Cadmium		0.20	J	0.48	mg/Kg	6010C
Chromium		11		0.95	mg/Kg	6010C
Arsenic		3.7		1.4	mg/Kg	6010C
Lead		6.4		0.95	mg/Kg	6010C
Hg		0.094	J	0.12	mg/Kg	7471B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37612-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Closed System Purge and Trap	TAL CAN		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Soxhlet Extraction	TAL CAN		SW846 3540C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081B	
Soxhlet Extraction	TAL CAN		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Soxhlet Extraction	TAL CAN		SW846 3540C
Metals (ICP)	TAL CAN	SW846 6010C	
Preparation, Metals	TAL CAN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL CAN	SW846 7471B	
Preparation, Mercury	TAL CAN		SW846 7471B
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method	Analyst	Analyst ID
SW846 8260C	Macenczak, Steven	SAM
SW846 8270D	Ulman, Mark	MRU
SW846 8081B	Matthews, Brandon	BPM
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Counts, Karen	KLC
SW846 7471B	Martin, Aaron	AMM2
EPA Moisture	Woodward, Bruce	BLW

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-37612-1	PLR060S0514	Solid	05/21/2014 1302	05/22/2014 0920
240-37612-2	PLR057S0514	Solid	05/21/2014 1720	05/22/2014 0920

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-132139	Instrument ID:	A3UX18
Prep Method:	5035	Prep Batch:	240-131803	Lab File ID:	184272.D
Dilution:	1.0			Initial Weight/Volume:	6.753 g
Analysis Date:	05/27/2014 2044			Final Weight/Volume:	5 mL
Prep Date:	05/22/2014 1445				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.47	4.2
1,1,2,2-Tetrachloroethane		ND		0.29	4.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.2
1,1,2-Trichloroethane		ND		0.33	4.2
1,1-Dichloroethane		ND		0.30	4.2
1,1-Dichloroethene		ND		0.44	4.2
1,2,4-Trichlorobenzene		ND		0.23	4.2
1,2-Dibromo-3-Chloropropane		ND		1.1	8.4
Ethylene Dibromide		ND		0.42	4.2
1,2-Dichlorobenzene		ND		0.30	4.2
1,2-Dichloroethane		ND		0.29	4.2
1,2-Dichloropropane		ND		0.58	4.2
1,3-Dichlorobenzene		ND		0.29	4.2
1,4-Dichlorobenzene		ND		0.56	4.2
2-Butanone (MEK)		ND		1.2	17
2-Hexanone		ND		0.53	17
4-Methyl-2-pentanone (MIBK)		ND		0.45	17
Acetone		ND		5.3	17
Benzene		ND		0.19	4.2
Dichlorobromomethane		ND		0.24	4.2
Bromoform		ND		0.28	4.2
Bromomethane		ND		0.45	4.2
Carbon disulfide		ND		0.37	4.2
Carbon tetrachloride		ND		0.31	4.2
Chlorobenzene		ND		0.28	4.2
Chloroethane		ND		0.72	4.2
Chloroform		ND		0.24	4.2
Chloromethane		ND		0.35	4.2
cis-1,2-Dichloroethene		ND		0.30	4.2
cis-1,3-Dichloropropene		ND		0.29	4.2
Cyclohexane		ND		0.28	8.4
Chlorodibromomethane		ND		0.46	4.2
Dichlorodifluoromethane		ND		0.42	4.2
Ethylbenzene		ND		0.22	4.2
Isopropylbenzene		ND		0.13	4.2
Methyl acetate		ND		1.2	8.4
Methyl tert-butyl ether		ND		0.36	4.2
Methylcyclohexane		ND		0.26	8.4
Methylene Chloride		0.76	J B	0.56	4.2
Styrene		ND		0.13	4.2
Tetrachloroethene		ND		0.44	4.2
Toluene		ND		0.23	4.2
trans-1,2-Dichloroethene		ND		0.35	4.2
trans-1,3-Dichloropropene		ND		0.45	4.2
Trichloroethene		21		0.35	4.2
Trichlorofluoromethane		ND		0.29	4.2

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131803

Lab File ID: 184272.D

Dilution: 1.0

Initial Weight/Volume: 6.753 g

Analysis Date: 05/27/2014 2044

Final Weight/Volume: 5 mL

Prep Date: 05/22/2014 1445

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.33	4.2
Xylenes, Total		ND		0.29	8.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		67 - 125
Dibromofluoromethane (Surr)	101		37 - 132
4-Bromofluorobenzene (Surr)	107		52 - 136
1,2-Dichloroethane-d4 (Surr)	91		58 - 123

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131803

Lab File ID: 184272.D

Dilution: 1.0

Initial Weight/Volume: 6.753 g

Analysis Date: 05/27/2014 2044

Final Weight/Volume: 5 mL

Prep Date: 05/22/2014 1445

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131803

Lab File ID: 184258.D

Dilution: 1.0

Initial Weight/Volume: 6.116 g

Analysis Date: 05/27/2014 1451

Final Weight/Volume: 5 mL

Prep Date: 05/23/2014 1445

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.54	4.9
1,1,2,2-Tetrachloroethane		ND		0.33	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	4.9
1,1,2-Trichloroethane		ND		0.38	4.9
1,1-Dichloroethane		ND		0.35	4.9
1,1-Dichloroethene		ND		0.51	4.9
1,2,4-Trichlorobenzene		ND		0.26	4.9
1,2-Dibromo-3-Chloropropane		ND		1.3	9.7
Ethylene Dibromide		ND		0.49	4.9
1,2-Dichlorobenzene		ND		0.35	4.9
1,2-Dichloroethane		ND		0.33	4.9
1,2-Dichloropropane		ND		0.67	4.9
1,3-Dichlorobenzene		ND		0.34	4.9
1,4-Dichlorobenzene		ND		0.64	4.9
2-Butanone (MEK)		5.3	J	1.4	19
2-Hexanone		ND		0.61	19
4-Methyl-2-pentanone (MIBK)		ND		0.52	19
Acetone		30		6.1	19
Benzene		ND		0.22	4.9
Dichlorobromomethane		ND		0.27	4.9
Bromoform		ND		0.32	4.9
Bromomethane		ND		0.52	4.9
Carbon disulfide		ND		0.43	4.9
Carbon tetrachloride		ND		0.36	4.9
Chlorobenzene		ND		0.32	4.9
Chloroethane		ND		0.84	4.9
Chloroform		ND		0.28	4.9
Chloromethane		ND		0.40	4.9
cis-1,2-Dichloroethene		7.3		0.35	4.9
cis-1,3-Dichloropropene		ND		0.33	4.9
Cyclohexane		ND		0.32	9.7
Chlorodibromomethane		ND		0.53	4.9
Dichlorodifluoromethane		ND		0.49	4.9
Ethylbenzene		ND		0.25	4.9
Isopropylbenzene		ND		0.16	4.9
Methyl acetate		ND		1.4	9.7
Methyl tert-butyl ether		ND		0.42	4.9
Methylcyclohexane		ND		0.30	9.7
Methylene Chloride		ND		0.65	4.9
Styrene		ND		0.15	4.9
Tetrachloroethene		ND		0.51	4.9
Toluene		ND		0.26	4.9
trans-1,2-Dichloroethene		ND		0.40	4.9
trans-1,3-Dichloropropene		ND		0.52	4.9
Trichloroethene		ND		0.41	4.9
Trichlorofluoromethane		ND		0.33	4.9

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131803

Lab File ID: 184258.D

Dilution: 1.0

Initial Weight/Volume: 6.116 g

Analysis Date: 05/27/2014 1451

Final Weight/Volume: 5 mL

Prep Date: 05/23/2014 1445

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		0.76	J	0.38	4.9
Xylenes, Total		ND		0.34	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		67 - 125
Dibromofluoromethane (Surr)	108		37 - 132
4-Bromofluorobenzene (Surr)	100		52 - 136
1,2-Dichloroethane-d4 (Surr)	99		58 - 123

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131803

Lab File ID: 184258.D

Dilution: 1.0

Initial Weight/Volume: 6.116 g

Analysis Date: 05/27/2014 1451

Final Weight/Volume: 5 mL

Prep Date: 05/23/2014 1445

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133629	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-131824	Lab File ID:	40606020.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Analysis Date:	06/06/2014 1521			Final Weight/Volume:	2 mL
Prep Date:	05/23/2014 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		3.9	56
bis (2-chloroisopropyl) ether		ND		11	110
2,4,5-Trichlorophenol		ND		28	170
2,4,6-Trichlorophenol		ND		10	170
2,4-Dichlorophenol		ND		22	170
2,4-Dimethylphenol		ND		22	170
2,4-Dinitrophenol		ND		24	370
2,4-Dinitrotoluene		ND		19	220
2,6-Dinitrotoluene		ND		24	220
2-Chloronaphthalene		ND		0.51	56
2-Chlorophenol		ND		9.2	56
2-Methylnaphthalene		ND		0.56	7.5
2-Methylphenol		ND		12	220
2-Nitroaniline		ND		10	220
2-Nitrophenol		ND		9.3	56
3,3'-Dichlorobenzidine		ND		20	110
3-Nitroaniline		ND		18	220
4,6-Dinitro-2-methylphenol		ND		10	170
4-Bromophenyl phenyl ether		ND		15	56
4-Chloro-3-methylphenol		ND		24	170
4-Chloroaniline		ND		19	170
4-Chlorophenyl phenyl ether		ND		15	56
4-Nitroaniline		ND		29	220
4-Nitrophenol		ND		19	370
Acenaphthene	9.4			0.85	7.5
Acenaphthylene	ND			0.39	7.5
Acetophenone	ND			10	110
Anthracene	14			0.88	7.5
Atrazine	ND			10	220
Benzaldehyde	ND			13	110
Benzo[a]anthracene	36			0.71	7.5
Benzo[a]pyrene	22			0.72	7.5
Benzo[b]fluoranthene	34			0.66	7.5
Benzo[g,h,i]perylene	14			0.39	7.5
Benzo[k]fluoranthene	12			0.76	7.5
Bis(2-chloroethoxy)methane	ND			25	110
Bis(2-chloroethyl)ether	ND			2.2	110
Bis(2-ethylhexyl) phthalate	ND			21	79
Butyl benzyl phthalate	ND			11	79
Caprolactam	ND			42	370
Carbazole	ND			30	56
Chrysene	33			1.2	7.5
Dibenz(a,h)anthracene	ND			0.74	7.5
Dibenzofuran	ND			0.74	56
Diethyl phthalate	ND			18	79
Dimethyl phthalate	ND			19	79

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133629	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-131824	Lab File ID:	40606020.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Analysis Date:	06/06/2014 1521			Final Weight/Volume:	2 mL
Prep Date:	05/23/2014 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	79
Di-n-octyl phthalate		ND		8.9	79
Fluoranthene		93		0.62	7.5
Fluorene		8.3		0.60	7.5
Hexachlorobenzene		ND		2.4	7.5
Hexachlorobutadiene		ND		6.3	56
Hexachlorocyclopentadiene		ND		9.1	370
Hexachloroethane		ND		10	56
Indeno[1,2,3-cd]pyrene		11		0.39	7.5
Isophorone		ND		15	56
N-Nitrosodi-n-propylamine		ND		7.1	56
N-Nitrosodiphenylamine		ND		24	56
Naphthalene		ND		0.92	7.5
Nitrobenzene		ND		2.5	110
Pentachlorophenol		ND		10	170
Phenanthrene		73		0.82	7.5
Phenol		ND		8.2	56
Pyrene		73		0.49	7.5
3 & 4 Methylphenol		ND		22	450

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	88		36 - 110
Phenol-d5 (Surr)	70		26 - 110
Nitrobenzene-d5 (Surr)	65		20 - 110
2-Fluorophenol (Surr)	74		24 - 110
2-Fluorobiphenyl (Surr)	67		24 - 110
2,4,6-Tribromophenol (Surr)	30		10 - 110

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 240-133629

Instrument ID: A4HP9

Prep Method: 3540C

Prep Batch: 240-131824

Lab File ID: 40606020.D

Dilution: 1.0

Initial Weight/Volume: 30.35 g

Analysis Date: 06/06/2014 1521

Final Weight/Volume: 2 mL

Prep Date: 05/23/2014 0808

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Aldol condensation product	4.67	11000	T A J
	Unknown	6.13	68	T J
57-10-3	n-Hexadecanoic acid	10.50	94	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133629	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-131824	Lab File ID:	40606021.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	06/06/2014 1546			Final Weight/Volume:	2 mL
Prep Date:	05/23/2014 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		4.1	59
bis (2-chloroisopropyl) ether		ND		11	120
2,4,5-Trichlorophenol		ND		30	180
2,4,6-Trichlorophenol		ND		11	180
2,4-Dichlorophenol		ND		24	180
2,4-Dimethylphenol		ND		24	180
2,4-Dinitrophenol		ND		25	390
2,4-Dinitrotoluene		ND		20	240
2,6-Dinitrotoluene		ND		25	240
2-Chloronaphthalene		ND		0.53	59
2-Chlorophenol		ND		9.7	59
2-Methylnaphthalene		ND		0.59	7.9
2-Methylphenol		ND		13	240
2-Nitroaniline		ND		11	240
2-Nitrophenol		ND		9.8	59
3,3'-Dichlorobenzidine		ND		21	120
3-Nitroaniline		ND		19	240
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		15	59
4-Chloro-3-methylphenol		ND		25	180
4-Chloroaniline		ND		20	180
4-Chlorophenyl phenyl ether		ND		15	59
4-Nitroaniline		ND		31	240
4-Nitrophenol		ND		20	390
Acenaphthene		4.1	J	0.90	7.9
Acenaphthylene		ND		0.41	7.9
Acetophenone		ND		11	120
Anthracene		5.1	J	0.92	7.9
Atrazine		ND		11	240
Benzaldehyde		ND		14	120
Benzo[a]anthracene		8.6		0.74	7.9
Benzo[a]pyrene		5.7	J	0.76	7.9
Benzo[b]fluoranthene		8.1		0.70	7.9
Benzo[g,h,i]perylene		ND		0.41	7.9
Benzo[k]fluoranthene		ND		0.80	7.9
Bis(2-chloroethoxy)methane		ND		26	120
Bis(2-chloroethyl)ether		ND		2.4	120
Bis(2-ethylhexyl) phthalate		30	J	22	83
Butyl benzyl phthalate		ND		12	83
Caprolactam		ND		44	390
Carbazole		ND		32	59
Chrysene		6.6	J	1.3	7.9
Dibenz(a,h)anthracene		ND		0.78	7.9
Dibenzofuran		ND		0.78	59
Diethyl phthalate		ND		19	83
Dimethyl phthalate		ND		20	83

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133629	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-131824	Lab File ID:	40606021.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	06/06/2014 1546			Final Weight/Volume:	2 mL
Prep Date:	05/23/2014 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	83
Di-n-octyl phthalate		ND		9.3	83
Fluoranthene		24		0.65	7.9
Fluorene		4.3	J	0.63	7.9
Hexachlorobenzene		ND		2.5	7.9
Hexachlorobutadiene		ND		6.6	59
Hexachlorocyclopentadiene		ND		9.6	390
Hexachloroethane		ND		11	59
Indeno[1,2,3-cd]pyrene		ND		0.41	7.9
Isophorone		ND		15	59
N-Nitrosodi-n-propylamine		ND		7.4	59
N-Nitrosodiphenylamine		ND		25	59
Naphthalene		ND		0.97	7.9
Nitrobenzene		ND		2.6	120
Pentachlorophenol		ND		11	180
Phenanthrene		23		0.86	7.9
Phenol		ND		8.6	59
Pyrene		17		0.52	7.9
3 & 4 Methylphenol		ND		24	470

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	85		36 - 110
Phenol-d5 (Surr)	75		26 - 110
Nitrobenzene-d5 (Surr)	61		20 - 110
2-Fluorophenol (Surr)	78		24 - 110
2-Fluorobiphenyl (Surr)	69		24 - 110
2,4,6-Tribromophenol (Surr)	63		10 - 110

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 240-133629

Instrument ID: A4HP9

Prep Method: 3540C

Prep Batch: 240-131824

Lab File ID: 40606021.D

Dilution: 1.0

Initial Weight/Volume: 30.17 g

Analysis Date: 06/06/2014 1546

Final Weight/Volume: 2 mL

Prep Date: 05/23/2014 0808

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Aldol condensation product	4.67	7500	T A J
142-62-1	Hexanoic acid	5.82	150	T J N
	Unknown	6.33	130	T J
103-82-2	Benzeneacetic acid	7.52	220	T J N
57-10-3	n-Hexadecanoic acid	10.50	270	T J N
57-11-4	Octadecanoic acid	11.16	180	T J N
	Unknown hydrocarbon	11.59	130	T J
	Unknown	11.82	240	T J
	Unknown	12.00	140	T J
	Unknown	12.15	370	T J
	Unknown hydrocarbon	13.13	140	T J
630-02-4	Octacosane	13.53	490	T J N
	Unknown hydrocarbon	14.55	350	T J
	Unknown	14.62	200	T J
	Unknown	14.84	130	T J
10191-41-0	Vitamin e	14.93	420	T J N
	Unknown	15.19	230	T J
	Unknown hydrocarbon	15.94	360	T J
	Unknown	16.66	430	T J
	Unknown	16.94	300	T J

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-132486

Instrument ID: A2HP3

Prep Method: 3540C

Prep Batch: 240-132434

Initial Weight/Volume: 30.39 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 05/29/2014 1923

Injection Volume: 1 uL

Prep Date: 05/29/2014 0715

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		2.6		0.70	1.9
4,4'-DDE		ND		0.44	1.9
4,4'-DDT		1.4	J	0.71	1.9
Aldrin		ND		1.3	1.9
alpha-BHC		ND		0.82	1.9
alpha-Chlordane		ND		1.1	1.9
beta-BHC		ND		1.2	1.9
delta-BHC		ND		1.3	1.9
Dieldrin		ND		0.53	1.9
Endosulfan I		ND		0.58	1.9
Endosulfan II		ND		0.92	1.9
Endosulfan sulfate		ND		0.98	1.9
Endrin		ND		0.56	1.9
Endrin aldehyde		ND		1.1	1.9
Endrin ketone		ND		0.71	1.9
gamma-BHC (Lindane)		ND		0.83	1.9
gamma-Chlordane		ND		0.47	1.9
Heptachlor		ND		1.2	1.9
Heptachlor epoxide		ND		0.90	1.9
Toxaphene		ND		21	75
Methoxychlor		ND		1.7	3.7
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		87		41 - 157	
Tetrachloro-m-xylene		82		40 - 149	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-132486

Instrument ID: A2HP3

Prep Method: 3540C

Prep Batch: 240-132434

Initial Weight/Volume: 30.39 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 05/29/2014 1923

Injection Volume: 1 uL

Prep Date: 05/29/2014 0715

Result Type: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		2.5		0.70	1.9
4,4'-DDE		ND		0.44	1.9
4,4'-DDT		1.5	J	0.71	1.9
Aldrin		ND		1.3	1.9
alpha-BHC		ND		0.82	1.9
alpha-Chlordane		ND		1.1	1.9
beta-BHC		ND		1.2	1.9
delta-BHC		ND		1.3	1.9
Dieldrin		ND		0.53	1.9
Endosulfan I		ND		0.58	1.9
Endosulfan II		ND		0.92	1.9
Endosulfan sulfate		ND		0.98	1.9
Endrin		ND		0.56	1.9
Endrin aldehyde		ND		1.1	1.9
Endrin ketone		ND		0.71	1.9
gamma-BHC (Lindane)		ND		0.83	1.9
gamma-Chlordane		ND		0.47	1.9
Heptachlor		ND		1.2	1.9
Heptachlor epoxide		ND		0.90	1.9
Toxaphene		ND		21	75
Methoxychlor		ND		1.7	3.7
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		87		41 - 157	
Tetrachloro-m-xylene		82		40 - 149	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-132486

Instrument ID: A2HP3

Prep Method: 3540C

Prep Batch: 240-132434

Initial Weight/Volume: 30.42 g

Dilution: 10

Final Weight/Volume: 10 mL

Analysis Date: 05/29/2014 1946

Injection Volume: 1 uL

Prep Date: 05/29/2014 0715

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		7.3	20
4,4'-DDE		ND		4.6	20
4,4'-DDT		ND		7.4	20
Aldrin		ND		14	20
alpha-BHC		ND		8.6	20
alpha-Chlordane		ND		11	20
beta-BHC		ND		13	20
delta-BHC		ND		14	20
Dieldrin		ND		5.5	20
Endosulfan I		ND		6.1	20
Endosulfan II		ND		9.6	20
Endosulfan sulfate		ND		10	20
Endrin		ND		5.9	20
Endrin aldehyde		ND		12	20
Endrin ketone		ND		7.4	20
gamma-BHC (Lindane)		ND		8.7	20
gamma-Chlordane		ND		4.9	20
Heptachlor		ND		13	20
Heptachlor epoxide		ND		9.4	20
Toxaphene		ND		220	790
Methoxychlor		ND		18	39
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		87		41 - 157	
Tetrachloro-m-xylene		88		40 - 149	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-132486

Instrument ID: A2HP3

Prep Method: 3540C

Prep Batch: 240-132434

Initial Weight/Volume: 30.42 g

Dilution: 10

Final Weight/Volume: 10 mL

Analysis Date: 05/29/2014 1946

Injection Volume: 1 uL

Prep Date: 05/29/2014 0715

Result Type: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		7.3	20
4,4'-DDE		ND		4.6	20
4,4'-DDT		ND		7.4	20
Aldrin		ND		14	20
alpha-BHC		ND		8.6	20
alpha-Chlordane		ND		11	20
beta-BHC		ND		13	20
delta-BHC		ND		14	20
Dieldrin		ND		5.5	20
Endosulfan I		ND		6.1	20
Endosulfan II		ND		9.6	20
Endosulfan sulfate		ND		10	20
Endrin		ND		5.9	20
Endrin aldehyde		ND		12	20
Endrin ketone		ND		7.4	20
gamma-BHC (Lindane)		ND		8.7	20
gamma-Chlordane		ND		4.9	20
Heptachlor		ND		13	20
Heptachlor epoxide		ND		9.4	20
Toxaphene		ND		220	790
Methoxychlor		ND		18	39
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		91		41 - 157	
Tetrachloro-m-xylene		89		40 - 149	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-132633	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-132308	Initial Weight/Volume:	29.69 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/30/2014 1003			Injection Volume:	1 uL
Prep Date:	05/28/2014 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		4.7	38
Aroclor-1221		ND		4.5	38
Aroclor-1232		ND		8.9	38
Aroclor-1242		ND		5.3	38
Aroclor-1248		ND		5.2	38
Aroclor-1254		ND		5.5	38
Aroclor-1260		ND		4.6	38
Aroclor-1262		ND		6.8	38
Aroclor-1268		ND		8.7	38
Polychlorinated biphenyls, Total		ND		4.5	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		29 - 151
DCB Decachlorobiphenyl	76		14 - 163

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-132633	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-132308	Initial Weight/Volume:	30.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/30/2014 1017			Injection Volume:	1 uL
Prep Date:	05/28/2014 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		4.8	39
Aroclor-1221		ND		4.6	39
Aroclor-1232		ND		9.1	39
Aroclor-1242		ND		5.4	39
Aroclor-1248		ND		5.3	39
Aroclor-1254		ND		5.6	39
Aroclor-1260		ND		4.7	39
Aroclor-1262		ND		7.0	39
Aroclor-1268		ND		8.8	39
Polychlorinated biphenyls, Total		ND		4.6	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		29 - 151
DCB Decachlorobiphenyl	50		14 - 163

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/22/2014 0920

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 240-133505

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-133164

Lab File ID: I9060514A.asc

Dilution: 1.0

Initial Weight/Volume: 1.17 g

Analysis Date: 06/05/2014 0959

Final Weight/Volume: 100 mL

Prep Date: 06/03/2014 1216

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		24		0.12	19
Cadmium		0.086	J	0.035	0.49
Chromium		4.6		0.19	0.97
Silver		ND		0.097	0.97
Arsenic		6.9		0.29	1.5
Lead		4.0		0.18	0.97
Selenium		ND		0.44	1.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method: 7471B

Analysis Batch: 240-133382

Instrument ID: H4

Prep Method: 7471B

Prep Batch: 240-133170

Lab File ID: 060414A-HG4.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 06/04/2014 1025

Final Weight/Volume: 100 mL

Prep Date: 06/03/2014 1540

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		ND		0.016	0.11

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

Client Sample ID: PLR057S0514

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/22/2014 0920

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 240-133505

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-133164

Lab File ID: I9060514A.asc

Dilution: 1.0

Initial Weight/Volume: 1.25 g

Analysis Date: 06/05/2014 1008

Final Weight/Volume: 100 mL

Prep Date: 06/03/2014 1216

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		52		0.11	19
Cadmium		0.20	J	0.034	0.48
Chromium		11		0.19	0.95
Silver		ND		0.095	0.95
Arsenic		3.7		0.29	1.4
Lead		6.4		0.18	0.95
Selenium		ND		0.43	1.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method: 7471B

Analysis Batch: 240-133382

Instrument ID: H4

Prep Method: 7471B

Prep Batch: 240-133170

Lab File ID: 060414A-HG4.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 06/04/2014 1027

Final Weight/Volume: 100 mL

Prep Date: 06/03/2014 1540

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.094	J	0.018	0.12

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

General Chemistry**Client Sample ID:** PLR060S0514

Lab Sample ID: 240-37612-1

Date Sampled: 05/21/2014 1302

Client Matrix: Solid

Date Received: 05/22/2014 0920

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-131927	Analysis Date: 05/23/2014 1401					DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-131927	Analysis Date: 05/23/2014 1401					DryWt Corrected: N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37612-1

General Chemistry**Client Sample ID: PLR057S0514**

Lab Sample ID: 240-37612-2

Date Sampled: 05/21/2014 1720

Client Matrix: Solid

Date Received: 05/22/2014 0920

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-131927	Analysis Date: 05/23/2014 1401					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-131927	Analysis Date: 05/23/2014 1401					DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	A	The tentatively identified compound is a suspected aldol-condensation product.
GC Semi VOA	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-131803					
240-37612-1	PLR060S0514	T	Solid	5035	
240-37612-2	PLR057S0514	T	Solid	5035	
Analysis Batch:240-132139					
LCS 240-132139/5	Lab Control Sample	T	Solid	8260C	
MB 240-132139/7	Method Blank	T	Solid	8260C	
240-37612-1	PLR060S0514	T	Solid	8260C	240-131803
240-37612-2	PLR057S0514	T	Solid	8260C	240-131803

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 240-131824					
LCS 240-131824/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-131824/20-A	Method Blank	T	Solid	3540C	
240-37612-1	PLR060S0514	T	Solid	3540C	
240-37612-2	PLR057S0514	T	Solid	3540C	
Analysis Batch:240-133629					
LCS 240-131824/21-A	Lab Control Sample	T	Solid	8270D	240-131824
MB 240-131824/20-A	Method Blank	T	Solid	8270D	240-131824
240-37612-1	PLR060S0514	T	Solid	8270D	240-131824
240-37612-2	PLR057S0514	T	Solid	8270D	240-131824

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-132308					
LCS 240-132308/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-132308/21-A	Method Blank	T	Solid	3540C	
240-37612-1	PLR060S0514	T	Solid	3540C	
240-37612-2	PLR057S0514	T	Solid	3540C	
Prep Batch: 240-132434					
LCS 240-132434/8-A	Lab Control Sample	T	Solid	3540C	
MB 240-132434/7-A	Method Blank	T	Solid	3540C	
240-37612-1	PLR060S0514	T	Solid	3540C	
240-37612-1MS	Matrix Spike	T	Solid	3540C	
240-37612-1MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-37612-2	PLR057S0514	T	Solid	3540C	
Analysis Batch:240-132486					
PB 240-132486/6	Preparation / Extraction Blank	T	Solid	8081B	
LCS 240-132434/8-A	Lab Control Sample	T	Solid	8081B	240-132434
MB 240-132434/7-A	Method Blank	T	Solid	8081B	240-132434
240-37612-1	PLR060S0514	T	Solid	8081B	240-132434
240-37612-1MS	Matrix Spike	T	Solid	8081B	240-132434
240-37612-1MSD	Matrix Spike Duplicate	T	Solid	8081B	240-132434
240-37612-2	PLR057S0514	T	Solid	8081B	240-132434
Analysis Batch:240-132633					
LCS 240-132308/22-A	Lab Control Sample	T	Solid	8082A	240-132308
MB 240-132308/21-A	Method Blank	T	Solid	8082A	240-132308
240-37612-1	PLR060S0514	T	Solid	8082A	240-132308
240-37612-2	PLR057S0514	T	Solid	8082A	240-132308

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-133164					
LCS 240-133164/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-133164/1-A	Method Blank	T	Solid	3050B	
240-37612-1	PLR060S0514	T	Solid	3050B	
240-37612-2	PLR057S0514	T	Solid	3050B	
Prep Batch: 240-133170					
LCS 240-133170/2-A	Lab Control Sample	T	Solid	7471B	
MB 240-133170/1-A	Method Blank	T	Solid	7471B	
240-37612-1	PLR060S0514	T	Solid	7471B	
240-37612-2	PLR057S0514	T	Solid	7471B	
Analysis Batch:240-133382					
LCS 240-133170/2-A	Lab Control Sample	T	Solid	7471B	240-133170
MB 240-133170/1-A	Method Blank	T	Solid	7471B	240-133170
240-37612-1	PLR060S0514	T	Solid	7471B	240-133170
240-37612-2	PLR057S0514	T	Solid	7471B	240-133170
Analysis Batch:240-133505					
LCS 240-133164/2-A	Lab Control Sample	T	Solid	6010C	240-133164
MB 240-133164/1-A	Method Blank	T	Solid	6010C	240-133164
240-37612-1	PLR060S0514	T	Solid	6010C	240-133164
240-37612-2	PLR057S0514	T	Solid	6010C	240-133164

Report Basis

T = Total

General Chemistry

Analysis Batch:240-131927

240-37612-1	PLR060S0514	T	Solid	Moisture
240-37612-2	PLR057S0514	T	Solid	Moisture

Report Basis

T = Total

Client: EnSafe, Inc.

Job Number: 240-37612-1

Surrogate Recovery Report**8260C Volatile Organic Compounds by GC/MS****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-37612-1	PLR060S0514	112	101	107	91
240-37612-2	PLR057S0514	108	108	100	99
MB 240-132139/7		113	107	100	95
LCS 240-132139/5		109	104	96	90

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	67-125
DBFM = Dibromofluoromethane (Surr)	37-132
BFB = 4-Bromofluorobenzene (Surr)	52-136
DCA = 1,2-Dichloroethane-d4 (Surr)	58-123

Client: EnSafe, Inc.

Job Number: 240-37612-1

Surrogate Recovery Report**8270D Semivolatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TPH %Rec	PHL %Rec	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec
240-37612-1	PLR060S0514	88	70	65	74	67	30
240-37612-2	PLR057S0514	85	75	61	78	69	63
MB 240-131824/20-A		96	73	68	69	71	26
LCS 240-131824/21-A		92	72	68	73	70	60

Surrogate	Acceptance Limits
TPH = Terphenyl-d14 (Surr)	36-110
PHL = Phenol-d5 (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
2FP = 2-Fluorophenol (Surr)	24-110
FBP = 2-Fluorobiphenyl (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110

Client: EnSafe, Inc.

Job Number: 240-37612-1

Surrogate Recovery Report**8081B Organochlorine Pesticides (GC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-37612-1	PLR060S0514	87	87	82	82
240-37612-2	PLR057S0514	91	87	89	88
MB 240-132434/7-A		85	87	83	78
LCS 240-132434/8-A		93	105	83	81
240-37612-1 MS	PLR060S0514 MS	37X	32X	27X	27X
240-37612-1 MSD	PLR060S0514 MSD	73	74	67	70

Surrogate**Acceptance Limits**

DCB = DCB Decachlorobiphenyl

41-157

TCX = Tetrachloro-m-xylene

40-149

Client: EnSafe, Inc.

Job Number: 240-37612-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-37612-1	PLR060S0514	81	76
240-37612-2	PLR057S0514	66	50
MB 240-132308/21-A		92	87
LCS 240-132308/22-A		91	88

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-132139

Method: 8260C Preparation: N/A

Lab Sample ID: MB 240-132139/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/27/2014 1220
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-132139
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX18
Lab File ID: 184252.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.56	5.0
1,1,2,2-Tetrachloroethane	ND		0.34	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.3	5.0
1,1,2-Trichloroethane	ND		0.39	5.0
1,1-Dichloroethane	ND		0.36	5.0
1,1-Dichloroethene	ND		0.52	5.0
1,2,4-Trichlorobenzene	ND		0.27	5.0
1,2-Dibromo-3-Chloropropane	ND		1.3	10
Ethylene Dibromide	ND		0.50	5.0
1,2-Dichlorobenzene	ND		0.36	5.0
1,2-Dichloroethane	ND		0.34	5.0
1,2-Dichloropropane	ND		0.69	5.0
1,3-Dichlorobenzene	ND		0.35	5.0
1,4-Dichlorobenzene	ND		0.66	5.0
2-Butanone (MEK)	ND		1.4	20
2-Hexanone	ND		0.63	20
4-Methyl-2-pentanone (MIBK)	ND		0.54	20
Acetone	ND		6.3	20
Benzene	ND		0.23	5.0
Dichlorobromomethane	ND		0.28	5.0
Bromoform	ND		0.33	5.0
Bromomethane	ND		0.54	5.0
Carbon disulfide	ND		0.44	5.0
Carbon tetrachloride	ND		0.37	5.0
Chlorobenzene	ND		0.33	5.0
Chloroethane	ND		0.86	5.0
Chloroform	ND		0.29	5.0
Chloromethane	ND		0.41	5.0
cis-1,2-Dichloroethene	ND		0.36	5.0
cis-1,3-Dichloropropene	ND		0.34	5.0
Cyclohexane	ND		0.33	10
Chlorodibromomethane	ND		0.55	5.0
Dichlorodifluoromethane	ND		0.50	5.0
Ethylbenzene	ND		0.26	5.0
Isopropylbenzene	ND		0.16	5.0
Methyl acetate	ND		1.4	10
Methyl tert-butyl ether	ND		0.43	5.0
Methylcyclohexane	ND		0.31	10
Methylene Chloride	1.32	J	0.67	5.0
Styrene	ND		0.15	5.0
Tetrachloroethene	ND		0.52	5.0
Toluene	ND		0.27	5.0
trans-1,2-Dichloroethene	ND		0.41	5.0
trans-1,3-Dichloropropene	ND		0.54	5.0
Trichloroethene	ND		0.42	5.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-132139

Method: 8260C Preparation: N/A

Lab Sample ID:	MB 240-132139/7	Analysis Batch:	240-132139	Instrument ID:	A3UX18
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	184252.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/27/2014 1220	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.34	5.0
Vinyl chloride	ND		0.39	5.0
Xylenes, Total	ND		0.35	10
m-Xylene & p-Xylene	ND		1.2	10
o-Xylene	ND		0.35	5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	113	67 - 125
Dibromofluoromethane (Surr)	107	37 - 132
4-Bromofluorobenzene (Surr)	100	52 - 136
1,2-Dichloroethane-d4 (Surr)	95	58 - 123

Method Blank TICs- Batch: 240-132139

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Control Sample - Batch: 240-132139

Method: 8260C

Preparation: N/A

Lab Sample ID: LCS 240-132139/5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/27/2014 1129
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-132139
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX18
Lab File ID: 184250.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	48.8	98	77 - 126	
1,1,2,2-Tetrachloroethane	50.0	51.3	103	77 - 123	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.8	106	80 - 138	
1,1,2-Trichloroethane	50.0	51.1	102	80 - 120	
1,1-Dichloroethane	50.0	47.5	95	76 - 120	
1,1-Dichloroethene	50.0	49.0	98	75 - 135	
1,2,4-Trichlorobenzene	50.0	55.4	111	64 - 124	
1,2-Dibromo-3-Chloropropane	50.0	60.2	120	61 - 132	
Ethylene Dibromide	50.0	53.5	107	80 - 120	
1,2-Dichlorobenzene	50.0	52.4	105	76 - 120	
1,2-Dichloroethane	50.0	47.9	96	72 - 120	
1,2-Dichloropropane	50.0	48.5	97	80 - 120	
1,3-Dichlorobenzene	50.0	51.7	103	78 - 120	
1,4-Dichlorobenzene	50.0	51.8	104	75 - 120	
2-Butanone (MEK)	100	94.7	95	52 - 131	
2-Hexanone	100	93.6	94	64 - 136	
4-Methyl-2-pentanone (MIBK)	100	100	100	67 - 135	
Acetone	100	95.3	95	41 - 137	
Benzene	50.0	48.5	97	79 - 120	
Dichlorobromomethane	50.0	47.9	96	80 - 122	
Bromoform	50.0	52.4	105	62 - 133	
Bromomethane	50.0	39.0	78	42 - 136	
Carbon disulfide	50.0	47.8	96	62 - 146	
Carbon tetrachloride	50.0	53.2	106	71 - 129	
Chlorobenzene	50.0	51.1	102	78 - 120	
Chloroethane	50.0	40.6	81	58 - 120	
Chloroform	50.0	47.3	95	77 - 120	
Chloromethane	50.0	40.8	82	50 - 120	
cis-1,2-Dichloroethene	50.0	48.7	97	76 - 120	
cis-1,3-Dichloropropene	50.0	52.0	104	74 - 128	
Cyclohexane	50.0	48.4	97	66 - 120	
Chlorodibromomethane	50.0	55.6	111	72 - 127	
Dichlorodifluoromethane	50.0	44.6	89	26 - 120	
Ethylbenzene	50.0	52.4	105	79 - 120	
Isopropylbenzene	50.0	54.4	109	76 - 122	
Methyl acetate	250	232	93	57 - 130	
Methyl tert-butyl ether	50.0	41.2	82	49 - 165	
Methylcyclohexane	50.0	46.5	93	70 - 126	
Methylene Chloride	50.0	49.7	99	75 - 120	
Styrene	50.0	52.4	105	80 - 120	
Tetrachloroethene	50.0	54.1	108	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Control Sample - Batch: 240-132139

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-132139/5	Analysis Batch:	240-132139	Instrument ID:	A3UX18
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	184250.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/27/2014 1129	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	50.0	50.0	100	75 - 120	
trans-1,2-Dichloroethene	50.0	50.6	101	78 - 120	
trans-1,3-Dichloropropene	50.0	48.2	96	73 - 131	
Trichloroethene	50.0	55.2	110	79 - 120	
Trichlorofluoromethane	50.0	46.7	93	57 - 146	
Vinyl chloride	50.0	41.9	84	57 - 120	
Xylenes, Total	100	106	106	80 - 120	
m-Xylene & p-Xylene	50.0	52.5	105	80 - 120	
o-Xylene	50.0	53.2	106	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	109		67 - 125		
Dibromofluoromethane (Surr)	104		37 - 132		
4-Bromofluorobenzene (Surr)	96		52 - 136		
1,2-Dichloroethane-d4 (Surr)	90		58 - 123		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-131824

Method: 8270D Preparation: 3540C

Lab Sample ID: MB 240-131824/20-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/06/2014 0909
Prep Date: 05/23/2014 0808
Leach Date: N/A

Analysis Batch: 240-133629
Prep Batch: 240-131824
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP9
Lab File ID: 40606005.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		3.5	50
bis (2-chloroisopropyl) ether	ND		9.5	100
2,4,5-Trichlorophenol	ND		25	150
2,4,6-Trichlorophenol	ND		8.9	150
2,4-Dichlorophenol	ND		20	150
2,4-Dimethylphenol	ND		20	150
2,4-Dinitrophenol	ND		21	330
2,4-Dinitrotoluene	ND		17	200
2,6-Dinitrotoluene	ND		21	200
2-Chloronaphthalene	ND		0.45	50
2-Chlorophenol	ND		8.2	50
2-Methylnaphthalene	ND		0.50	6.7
2-Methylphenol	ND		11	200
2-Nitroaniline	ND		9.1	200
2-Nitrophenol	ND		8.3	50
3,3'-Dichlorobenzidine	ND		18	100
3-Nitroaniline	ND		16	200
4,6-Dinitro-2-methylphenol	ND		9.2	150
4-Bromophenyl phenyl ether	ND		13	50
4-Chloro-3-methylphenol	ND		21	150
4-Chloroaniline	ND		17	150
4-Chlorophenyl phenyl ether	ND		13	50
4-Nitroaniline	ND		26	200
4-Nitrophenol	ND		17	330
Acenaphthene	ND		0.76	6.7
Acenaphthylene	ND		0.35	6.7
Acetophenone	ND		9.2	100
Anthracene	ND		0.78	6.7
Atrazine	ND		9.1	200
Benzaldehyde	ND		12	100
Benzo[a]anthracene	ND		0.63	6.7
Benzo[a]pyrene	ND		0.64	6.7
Benzo[b]fluoranthene	ND		0.59	6.7
Benzo[g,h,i]perylene	ND		0.35	6.7
Benzo[k]fluoranthene	ND		0.68	6.7
Bis(2-chloroethoxy)methane	ND		22	100
Bis(2-chloroethyl)ether	ND		2.0	100
Bis(2-ethylhexyl) phthalate	ND		19	70
Butyl benzyl phthalate	ND		10	70
Caprolactam	ND		37	330
Carbazole	ND		27	50
Chrysene	ND		1.1	6.7
Dibenz(a,h)anthracene	ND		0.66	6.7
Dibenzofuran	ND		0.66	50
Diethyl phthalate	ND		16	70

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-131824

Method: 8270D Preparation: 3540C

Lab Sample ID: MB 240-131824/20-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/06/2014 0909
Prep Date: 05/23/2014 0808
Leach Date: N/A

Analysis Batch: 240-133629
Prep Batch: 240-131824
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP9
Lab File ID: 40606005.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	70
Di-n-butyl phthalate	ND		15	70
Di-n-octyl phthalate	ND		7.9	70
Fluoranthene	ND		0.55	6.7
Fluorene	ND		0.53	6.7
Hexachlorobenzene	ND		2.1	6.7
Hexachlorobutadiene	ND		5.6	50
Hexachlorocyclopentadiene	ND		8.1	330
Hexachloroethane	ND		9.0	50
Indeno[1,2,3-cd]pyrene	ND		0.35	6.7
Isophorone	ND		13	50
N-Nitrosodi-n-propylamine	ND		6.3	50
N-Nitrosodiphenylamine	ND		21	50
Naphthalene	ND		0.82	6.7
Nitrobenzene	ND		2.2	100
Pentachlorophenol	ND		9.1	150
Phenanthrene	ND		0.73	6.7
Phenol	ND		7.3	50
Pyrene	ND		0.44	6.7
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	96	36 - 110
Phenol-d5 (Surr)	73	26 - 110
Nitrobenzene-d5 (Surr)	68	20 - 110
2-Fluorophenol (Surr)	69	24 - 110
2-Fluorobiphenyl (Surr)	71	24 - 110
2,4,6-Tribromophenol (Surr)	26	10 - 110

Method Blank TICs- Batch: 240-131824

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
	Aldol condensation product	4.66	6570	T J A
	Unknown	10.26	84.5	T J

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Control Sample - Batch: 240-131824

Method: 8270D

Preparation: 3540C

Lab Sample ID: LCS 240-131824/21-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/06/2014 0934
Prep Date: 05/23/2014 0808
Leach Date: N/A

Analysis Batch: 240-133629
Prep Batch: 240-131824
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP9
Lab File ID: 40606006.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	470	70	35 - 110	
bis (2-chloroisopropyl) ether	667	462	69	29 - 110	
2,4,5-Trichlorophenol	667	469	70	25 - 110	
2,4,6-Trichlorophenol	667	420	63	12 - 110	
2,4-Dichlorophenol	667	493	74	39 - 110	
2,4-Dimethylphenol	667	328	49	29 - 110	
2,4-Dinitrophenol	1330	307	23	10 - 110	J
2,4-Dinitrotoluene	667	551	83	48 - 110	
2,6-Dinitrotoluene	667	500	75	45 - 110	
2-Chloronaphthalene	667	467	70	32 - 110	
2-Chlorophenol	667	485	73	37 - 110	
2-Methylnaphthalene	667	485	73	36 - 110	
2-Methylphenol	667	457	69	41 - 110	
2-Nitroaniline	667	486	73	45 - 110	
2-Nitrophenol	667	497	75	34 - 110	
3,3'-Dichlorobenzidine	1330	952	71	28 - 110	
3-Nitroaniline	667	486	73	44 - 110	
4,6-Dinitro-2-methylphenol	1330	632	47	10 - 110	
4-Bromophenyl phenyl ether	667	470	70	39 - 110	
4-Chloro-3-methylphenol	667	519	78	48 - 110	
4-Chloroaniline	667	410	62	30 - 110	
4-Chlorophenyl phenyl ether	667	513	77	40 - 110	
4-Nitroaniline	667	525	79	48 - 110	
4-Nitrophenol	1330	1130	84	28 - 110	
Acenaphthene	667	468	70	38 - 110	
Acenaphthylene	667	453	68	40 - 110	
Acetophenone	667	508	76	40 - 110	
Anthracene	667	490	73	48 - 110	
Atrazine	1330	1140	85	66 - 127	
Benzaldehyde	1330	1020	77	32 - 110	
Benzo[a]anthracene	667	502	75	50 - 110	
Benzo[a]pyrene	667	520	78	44 - 110	
Benzo[b]fluoranthene	667	530	79	43 - 110	
Benzo[g,h,i]perylene	667	548	82	51 - 110	
Benzo[k]fluoranthene	667	524	79	38 - 105	
Bis(2-chloroethoxy)methane	667	500	75	32 - 110	
Bis(2-chloroethyl)ether	667	501	75	34 - 110	
Bis(2-ethylhexyl) phthalate	667	493	74	50 - 110	
Butyl benzyl phthalate	667	492	74	51 - 110	
Caprolactam	1330	1130	85	44 - 114	
Carbazole	667	506	76	50 - 110	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Control Sample - Batch: 240-131824

Method: 8270D

Preparation: 3540C

Lab Sample ID: LCS 240-131824/21-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/06/2014 0934
Prep Date: 05/23/2014 0808
Leach Date: N/A

Analysis Batch: 240-133629
Prep Batch: 240-131824
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP9
Lab File ID: 40606006.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	503	76	50 - 110	
Dibenz(a,h)anthracene	667	553	83	51 - 110	
Dibenzofuran	667	484	73	43 - 110	
Diethyl phthalate	667	539	81	52 - 110	
Dimethyl phthalate	667	503	75	50 - 110	
Di-n-butyl phthalate	667	510	77	51 - 110	
Di-n-octyl phthalate	667	480	72	48 - 110	
Fluoranthene	667	527	79	51 - 110	
Fluorene	667	500	75	46 - 110	
Hexachlorobenzene	667	488	73	43 - 110	
Hexachlorobutadiene	667	503	75	29 - 110	
Hexachlorocyclopentadiene	667	340	51	12 - 110	
Hexachloroethane	667	465	70	30 - 110	
Indeno[1,2,3-cd]pyrene	667	547	82	50 - 110	
Isophorone	667	467	70	36 - 110	
N-Nitrosodi-n-propylamine	667	486	73	38 - 110	
N-Nitrosodiphenylamine	1330	977	73	46 - 110	
Naphthalene	667	483	72	36 - 110	
Nitrobenzene	667	488	73	32 - 110	
Pentachlorophenol	1330	700	53	10 - 110	
Phenanthrene	667	489	73	49 - 110	
Phenol	667	498	75	38 - 110	
Pyrene	667	530	80	49 - 110	
3 & 4 Methylphenol	667	508	76	40 - 110	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	92	36 - 110
Phenol-d5 (Surr)	72	26 - 110
Nitrobenzene-d5 (Surr)	68	20 - 110
2-Fluorophenol (Surr)	73	24 - 110
2-Fluorobiphenyl (Surr)	70	24 - 110
2,4,6-Tribromophenol (Surr)	60	10 - 110

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-132434

Method: 8081B

Preparation: 3540C

Lab Sample ID: MB 240-132434/7-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2014 2055
 Prep Date: 05/29/2014 0715
 Leach Date: N/A

Analysis Batch: 240-132486
 Prep Batch: 240-132434
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A2HP3
 Lab File ID: P3052919.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	1.7
Aldrin	ND		1.2	1.7
alpha-BHC	ND		0.73	1.7
alpha-Chlordane	ND		0.94	1.7
beta-BHC	ND		1.1	1.7
delta-BHC	ND		1.2	1.7
Dieldrin	ND		0.47	1.7
Endosulfan I	ND		0.52	1.7
Endosulfan II	ND		0.82	1.7
Endosulfan sulfate	ND		0.87	1.7
Endrin	ND		0.50	1.7
Endrin aldehyde	ND		1.0	1.7
Endrin ketone	ND		0.63	1.7
gamma-BHC (Lindane)	ND		0.74	1.7
gamma-Chlordane	ND		0.42	1.7
Heptachlor	ND		1.1	1.7
Heptachlor epoxide	ND		0.80	1.7
Toxaphene	ND		19	67
Methoxychlor	ND		1.5	3.3
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	87		41 - 157	
Tetrachloro-m-xylene	78		40 - 149	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-132434

Method: 8081B

Preparation: 3540C

Lab Sample ID: MB 240-132434/7-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2014 2055
 Prep Date: 05/29/2014 0715
 Leach Date: N/A

Analysis Batch: 240-132486
 Prep Batch: 240-132434
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A2HP3
 Lab File ID: P3052919.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: SECONDARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	1.7
Aldrin	ND		1.2	1.7
alpha-BHC	ND		0.73	1.7
alpha-Chlordane	ND		0.94	1.7
beta-BHC	ND		1.1	1.7
delta-BHC	ND		1.2	1.7
Dieldrin	ND		0.47	1.7
Endosulfan I	ND		0.52	1.7
Endosulfan II	ND		0.82	1.7
Endosulfan sulfate	ND		0.87	1.7
Endrin	ND		0.50	1.7
Endrin aldehyde	ND		1.0	1.7
Endrin ketone	ND		0.63	1.7
gamma-BHC (Lindane)	ND		0.74	1.7
gamma-Chlordane	ND		0.42	1.7
Heptachlor	ND		1.1	1.7
Heptachlor epoxide	ND		0.80	1.7
Toxaphene	ND		19	67
Methoxychlor	ND		1.5	3.3
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	85		41 - 157	
Tetrachloro-m-xylene	83		40 - 149	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Control Sample - Batch: 240-132434

Method: 8081B
Preparation: 3540C

Lab Sample ID: LCS 240-132434/8-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/29/2014 2118
Prep Date: 05/29/2014 0715
Leach Date: N/A

Analysis Batch: 240-132486
Prep Batch: 240-132434
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A2HP3
Lab File ID: P3052920.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	31.3	94	53 - 160	
4,4'-DDE	33.3	31.4	94	46 - 143	
4,4'-DDT	33.3	37.2	112	40 - 157	
Aldrin	33.3	28.6	86	40 - 145	
alpha-BHC	33.3	28.3	85	50 - 153	
alpha-Chlordane	33.3	29.9	90	42 - 150	
beta-BHC	33.3	28.6	86	43 - 153	
delta-BHC	33.3	30.7	92	54 - 152	
Dieldrin	33.3	30.8	92	51 - 154	
Endosulfan I	33.3	26.1	78	40 - 148	
Endosulfan II	33.3	28.0	84	42 - 137	
Endosulfan sulfate	33.3	30.2	91	50 - 153	
Endrin	33.3	31.3	94	55 - 147	
Endrin aldehyde	33.3	29.6	89	43 - 158	
Endrin ketone	33.3	29.2	88	41 - 142	
gamma-BHC (Lindane)	33.3	28.4	85	44 - 160	
gamma-Chlordane	33.3	30.3	91	47 - 156	
Heptachlor	33.3	28.5	85	47 - 137	
Heptachlor epoxide	33.3	29.2	88	53 - 153	
Methoxychlor	33.3	34.8	104	40 - 152	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	105	41 - 157
Tetrachloro-m-xylene	83	40 - 149

Lab Control Sample - Batch: 240-132434

Method: 8081B
Preparation: 3540C

Lab Sample ID: LCS 240-132434/8-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/29/2014 2118
Prep Date: 05/29/2014 0715
Leach Date: N/A

Analysis Batch: 240-132486
Prep Batch: 240-132434
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A2HP3
Lab File ID: P3052920.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	30.8	92	53 - 160	
4,4'-DDE	33.3	30.5	91	46 - 143	
4,4'-DDT	33.3	36.5	109	40 - 157	
Aldrin	33.3	28.2	85	40 - 145	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Lab Control Sample - Batch: 240-132434

Method: 8081B

Preparation: 3540C

Lab Sample ID: LCS 240-132434/8-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2014 2118
 Prep Date: 05/29/2014 0715
 Leach Date: N/A

Analysis Batch: 240-132486
 Prep Batch: 240-132434
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A2HP3
 Lab File ID: P3052920.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	33.3	28.1	84	50 - 153	
alpha-Chlordane	33.3	28.8	87	42 - 150	
beta-BHC	33.3	27.8	84	43 - 153	
delta-BHC	33.3	30.4	91	54 - 152	
Dieldrin	33.3	29.9	90	51 - 154	
Endosulfan I	33.3	25.3	76	40 - 148	
Endosulfan II	33.3	26.1	78	42 - 137	
Endosulfan sulfate	33.3	29.4	88	50 - 153	
Endrin	33.3	30.4	91	55 - 147	
Endrin aldehyde	33.3	29.0	87	43 - 158	
Endrin ketone	33.3	28.7	86	41 - 142	
gamma-BHC (Lindane)	33.3	28.3	85	44 - 160	
gamma-Chlordane	33.3	29.4	88	47 - 156	
Heptachlor	33.3	28.1	84	47 - 137	
Heptachlor epoxide	33.3	28.6	86	53 - 153	
Methoxychlor	33.3	33.6	101	40 - 152	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	93		41 - 157		
Tetrachloro-m-xylene	81		40 - 149		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-132434

Method: 8081B
Preparation: 3540C

MS Lab Sample ID:	240-37612-1	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-132434	Lab File ID:	P3052917.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	05/29/2014 2009			Final Weight/Volume:	10 mL
Prep Date:	05/29/2014 0715			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-37612-1	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-132434	Lab File ID:	P3052918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	05/29/2014 2032			Final Weight/Volume:	10 mL
Prep Date:	05/29/2014 0715			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	22	69	16 - 160	90	40		F2
4,4'-DDE	28	72	37 - 150	88	40	F1	F2
4,4'-DDT	30	85	24 - 160	90	40		F2
Aldrin	28	72	41 - 137	88	40	F1	F2
alpha-BHC	28	74	22 - 160	90	40		F2
alpha-Chlordane	27	68	38 - 145	86	40	F1	F2
beta-BHC	27	67	27 - 160	85	40		F2
delta-BHC	28	74	10 - 160	90	40		F2
Dieldrin	28	73	37 - 160	87	40	F1	F2
Endosulfan I	24	61	10 - 160	86	40		F2
Endosulfan II	26	65	16 - 150	87	40		F2
Endosulfan sulfate	28	71	10 - 160	88	40		F2
Endrin	30	75	41 - 160	87	40	F1	F2
Endrin aldehyde	26	72	10 - 160	94	38		F2
Endrin ketone	27	69	11 - 160	88	40		F2
gamma-BHC (Lindane)	28	73	18 - 160	88	40		F2
gamma-Chlordane	28	72	33 - 160	88	40	F1	F2
Heptachlor	29	74	26 - 160	87	40		F2
Heptachlor epoxide	28	71	43 - 160	87	29	F1	F2
Methoxychlor	33	83	10 - 160	86	39		F2
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	37	X	74		41 - 157		
Tetrachloro-m-xylene	27	X	70		40 - 149		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-132434

Method: 8081B
Preparation: 3540C

MS Lab Sample ID:	240-37612-1	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-132434	Lab File ID:	P3052917.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	05/29/2014 2009			Final Weight/Volume:	10 mL
Prep Date:	05/29/2014 0715			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	240-37612-1	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-132434	Lab File ID:	P3052918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	05/29/2014 2032			Final Weight/Volume:	10 mL
Prep Date:	05/29/2014 0715			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	22	69	16 - 160	NC	40		
4,4'-DDE	28	70	37 - 150	NC	40	F1	
4,4'-DDT	29	84	24 - 160	NC	40		
Aldrin	28	63	41 - 137	NC	40	F1	
alpha-BHC	27	73	22 - 160	NC	40		
alpha-Chlordane	27	59	38 - 145	NC	40	F1	
beta-BHC	27	66	27 - 160	NC	40		
delta-BHC	27	73	10 - 160	NC	40		
Dieldrin	28	71	37 - 160	NC	40	F1	
Endosulfan I	24	54	10 - 160	NC	40		
Endosulfan II	24	61	16 - 150	NC	40		
Endosulfan sulfate	27	69	10 - 160	NC	40		
Endrin	28	72	41 - 160	NC	40	F1	
Endrin aldehyde	26	71	10 - 160	NC	38		
Endrin ketone	26	67	11 - 160	NC	40		
gamma-BHC (Lindane)	27	72	18 - 160	NC	40		
gamma-Chlordane	27	69	33 - 160	NC	40	F1	
Heptachlor	28	71	26 - 160	NC	40		
Heptachlor epoxide	27	69	43 - 160	NC	29	F1	
Methoxychlor	31	81	10 - 160	NC	39		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	32	X	73		41 - 157		
Tetrachloro-m-xylene	27	X	67		40 - 149		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Preparation / Extraction Blank - Batch: 240-132486

Method: 8081B

Preparation: N/A

Lab Sample ID:	PB 240-132486/6	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3052906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	05/29/2014 1558	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	5.1
Aldrin	ND		3.6	5.1
alpha-BHC	ND		2.2	5.1
alpha-Chlordane	ND		2.8	5.1
beta-BHC	ND		3.3	5.1
delta-BHC	ND		3.6	5.1
Dieldrin	ND		1.4	5.1
Endosulfan I	ND		1.6	5.1
Endosulfan II	ND		2.5	5.1
Endosulfan sulfate	ND		2.6	5.1
Endrin	ND		1.5	5.1
Endrin aldehyde	ND		3.0	5.1
Endrin ketone	ND		1.9	5.1
gamma-BHC (Lindane)	ND		2.2	5.1
gamma-Chlordane	ND		1.3	5.1
Heptachlor	ND		3.3	5.1
Heptachlor epoxide	ND		2.4	5.1
Toxaphene	ND		57	200
Methoxychlor	ND		4.5	9.9
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl				
Tetrachloro-m-xylene				

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Preparation / Extraction Blank - Batch: 240-132486

Method: 8081B
Preparation: N/A

Lab Sample ID:	PB 240-132486/6	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3052906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	05/29/2014 1558	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	5.1
Aldrin	ND		3.6	5.1
alpha-BHC	ND		2.2	5.1
alpha-Chlordane	ND		2.8	5.1
beta-BHC	ND		3.3	5.1
delta-BHC	ND		3.6	5.1
Dieldrin	ND		1.4	5.1
Endosulfan I	ND		1.6	5.1
Endosulfan II	ND		2.5	5.1
Endosulfan sulfate	ND		2.6	5.1
Endrin	ND		1.5	5.1
Endrin aldehyde	ND		3.0	5.1
Endrin ketone	ND		1.9	5.1
gamma-BHC (Lindane)	ND		2.2	5.1
gamma-Chlordane	ND		1.3	5.1
Heptachlor	ND		3.3	5.1
Heptachlor epoxide	ND		2.4	5.1
Toxaphene	ND		57	200
Methoxychlor	ND		4.5	9.9

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	p	
Tetrachloro-m-xylene		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-132308

Method: 8082A Preparation: 3540C

Lab Sample ID: MB 240-132308/21-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 0833
Prep Date: 05/28/2014 1052
Leach Date: N/A

Analysis Batch: 240-132633
Prep Batch: 240-132308
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A2HP10
Lab File ID: P1000021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		24	200
Aroclor-1221	ND		24	200
Aroclor-1232	ND		47	200
Aroclor-1242	ND		28	200
Aroclor-1248	ND		27	200
Aroclor-1254	ND		29	200
Aroclor-1260	ND		24	200
Aroclor-1262	ND		36	200
Aroclor-1268	ND		45	200
Polychlorinated biphenyls, Total	ND		24	200
Surrogate	% Rec		Acceptance Limits	
Tetrachloro-m-xylene	92		29 - 151	
DCB Decachlorobiphenyl	87		14 - 163	

Lab Control Sample - Batch: 240-132308

Method: 8082A Preparation: 3540C

Lab Sample ID: LCS 240-132308/22-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 1132
Prep Date: 05/28/2014 1052
Leach Date: N/A

Analysis Batch: 240-132633
Prep Batch: 240-132308
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A2HP10
Lab File ID: P1000033.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2000	1820	91	62 - 120	
Aroclor-1260	2000	1760	88	56 - 122	
Surrogate	% Rec		Acceptance Limits		
Tetrachloro-m-xylene	91		29 - 151		
DCB Decachlorobiphenyl	88		14 - 163		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-133164

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 240-133164/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2014 0951
Prep Date: 06/03/2014 1216
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133164
Leach Batch: N/A
Units: mg/Kg

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Barium	ND		0.12	20
Cadmium	ND		0.036	0.50
Chromium	ND		0.20	1.0
Silver	ND		0.10	1.0
Arsenic	ND		0.30	1.5
Lead	ND		0.19	1.0
Selenium	ND		0.45	2.0

Lab Control Sample - Batch: 240-133164

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 240-133164/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2014 0955
Prep Date: 06/03/2014 1216
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133164
Leach Batch: N/A
Units: mg/Kg

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	188	94	80 - 120	
Cadmium	5.00	4.90	98	80 - 120	
Chromium	20.0	19.1	96	80 - 120	
Silver	5.00	4.94	99	80 - 120	
Arsenic	200	191	95	80 - 120	
Lead	50.0	46.4	93	80 - 120	
Selenium	200	196	98	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37612-1

Method Blank - Batch: 240-133170

Method: 7471B

Preparation: 7471B

Lab Sample ID: MB 240-133170/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/04/2014 0941
Prep Date: 06/03/2014 1540
Leach Date: N/A

Analysis Batch: 240-133382
Prep Batch: 240-133170
Leach Batch: N/A
Units: mg/Kg

Instrument ID: H4
Lab File ID: 060414A-HG4.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Hg	ND		0.015	0.10

Lab Control Sample - Batch: 240-133170

Method: 7471B

Preparation: 7471B

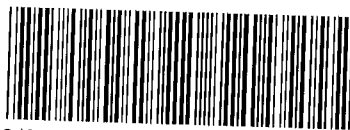
Lab Sample ID: LCS 240-133170/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/04/2014 0943
Prep Date: 06/03/2014 1540
Leach Date: N/A

Analysis Batch: 240-133382
Prep Batch: 240-133170
Leach Batch: N/A
Units: mg/Kg

Instrument ID: H4
Lab File ID: 060414A-HG4.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.833	0.749	90	80 - 120	

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37612 Chain of Custody

Sampler Signature:

Project #:

Special Instructions:	Method of Shipment:						FEDEX		Laboratory Comments: Temperature Upon Receipt: VOCs Free of Headspace?	Y	N
	Relinquished by:	Date	Time	Received by:	Date	Time	Date	Time			
		5/21/14	1735	RIO. 	5/21/14	1735					
	Relinquished by: 	5/21/14	1740	Received by TestAmerica:  SYR	5/21/14	1740	Alexandra 	5/21/14	17:00		

Reling. —
Reag. 1/16, Syr 5/21/14 1900

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 37612

Client Ensafe Site Name _____ Cooler unpacked by: _____
 Cooler Received on 5-22-14 Opened on 5-22-14
 FedEx: 1st Grd EXP UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
 TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
 IR GUN# A (CF +0 °C) Observed Cooler Temp. 3.2 °C Corrected Cooler Temp. 3.2 °C
 IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes NO
 -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were custody seals on the bottle(s)? Yes NO
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC302587
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes NO

☐ See Multiple
Cooler Form

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

ADS

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

ANALYTICAL REPORT

Job Number: 240-37676-1

Job Description: MH3 Oil Source Investigation

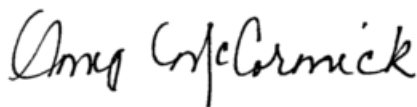
For:

EnSafe, Inc.

220 Athens Way, Plaza 1, Suite 410

Nashville, TN 37228

Attention: Ms. May Heflin



Approved for release.
Amy L. McCormick
Project Manager II
6/11/2014 11:40 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
06/11/2014

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: EnSafe, Inc.

Project: MH3 Oil Source Investigation

Report Number: 240-37676-1

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

For soil 8260 VOCs: Cyclohexane is not included in our New York certification.

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

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

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

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

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

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

RECEIPT

The sample was received on 5/23/2014 9:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample PLR056S0514 (240-37676-1) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 05/23/2014 and analyzed on 05/27/2014.

The continuing calibration verification (CCV) associated with batch 132139 recovered above the upper control limit for Dichlorodifluoromethane and 1,2-Dibromo-3-Chloropropane. Samples (CCVIS 240-132139/3), (LCS 240-132139/5), (MB 240-132139/7), and PLR056S0514 (240-37676-1) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The CCV had Methyl Tert-Butyl Ether failing the 20 percent recovery, but was detected in the MRL. This compound was not detected in samples (CCVIS 240-132139/3), (LCS 240-132139/5), (MB 240-132139/7), and PLR056S0514 (240-37676-1).

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Sample PLR056S0514 (240-37676-1) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/28/2014 and analyzed on 05/30/2014.

No difficulties were encountered during the SVOCs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Sample PLR056S0514 (240-37676-1) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The

samples were prepared and analyzed on 05/29/2014.

Sample PLR056S0514 (240-37676-1)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Decachlorobiphenyl failed the surrogate recovery criteria high for PLR056S0514 (240-37676-1).

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample PLR056S0514 (240-37676-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/28/2014 and analyzed on 06/02/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Sample PLR056S0514 (240-37676-1) was diluted due to the nature of the sample matrix. Elevated reporting limits (RLs) have been provided.

Sample PLR056S0514 (240-37676-1) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

The last continuing calibration verification (CCV) associated with batch 132633 recovered above the upper control limit for PCB. Sample PLR056S0514 (240-37676-1) associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample PLR056S0514 (240-37676-1) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 06/03/2014 and analyzed on 06/05/2014.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

MERCURY

Sample PLR056S0514 (240-37676-1) was analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 06/03/2014 and analyzed on 06/04/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample PLR056S0514 (240-37676-1) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/24/2014.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37676-1	PLR056S0514					
2-Butanone (MEK)		4.7	J	19	ug/Kg	8260C
Acetone		26		19	ug/Kg	8260C
Vinyl chloride		1.1	J	4.7	ug/Kg	8260C
1,1'-Biphenyl		54	J	59	ug/Kg	8270D
2-Methylnaphthalene		260		7.8	ug/Kg	8270D
Acenaphthene		120		7.8	ug/Kg	8270D
Acenaphthylene		23		7.8	ug/Kg	8270D
Anthracene		250		7.8	ug/Kg	8270D
Benzaldehyde		14	J	120	ug/Kg	8270D
Benzo[a]anthracene		510		7.8	ug/Kg	8270D
Benzo[a]pyrene		560		7.8	ug/Kg	8270D
Benzo[b]fluoranthene		760		7.8	ug/Kg	8270D
Benzo[g,h,i]perylene		390		7.8	ug/Kg	8270D
Benzo[k]fluoranthene		300		7.8	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		48	J	82	ug/Kg	8270D
Carbazole		170		59	ug/Kg	8270D
Chrysene		600		7.8	ug/Kg	8270D
Dibenz(a,h)anthracene		84		7.8	ug/Kg	8270D
Dibenzofuran		150		59	ug/Kg	8270D
Di-n-butyl phthalate		24	J	82	ug/Kg	8270D
Fluoranthene		1100		7.8	ug/Kg	8270D
Fluorene		170		7.8	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		320		7.8	ug/Kg	8270D
Naphthalene		750		7.8	ug/Kg	8270D
Pentachlorophenol		35	J	180	ug/Kg	8270D
Phenanthrene		1100		7.8	ug/Kg	8270D
Pyrene		1100		7.8	ug/Kg	8270D
3 & 4 Methylphenol		77	J	470	ug/Kg	8270D
Aroclor-1260		56	J p	200	ug/Kg	8082A
Polychlorinated biphenyls, Total		56	J	200	ug/Kg	8082A
Barium		35		20	mg/Kg	6010C
Cadmium		0.10	J	0.50	mg/Kg	6010C
Chromium		9.9		1.0	mg/Kg	6010C
Silver		1.4		1.0	mg/Kg	6010C
Arsenic		1.9		1.5	mg/Kg	6010C
Lead		56		1.0	mg/Kg	6010C
Hg		0.029	J	0.13	mg/Kg	7471B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37676-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Closed System Purge and Trap	TAL CAN		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Soxhlet Extraction	TAL CAN		SW846 3540C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081B	
Soxhlet Extraction	TAL CAN		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Soxhlet Extraction	TAL CAN		SW846 3540C
Metals (ICP)	TAL CAN	SW846 6010C	
Preparation, Metals	TAL CAN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL CAN	SW846 7471B	
Preparation, Mercury	TAL CAN		SW846 7471B
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method	Analyst	Analyst ID
SW846 8260C	Macenczak, Steven	SAM
SW846 8270D	Gruber, John	JMG
SW846 8081B	Matthews, Brandon	BPM
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Counts, Karen	KLC
SW846 7471B	Martin, Aaron	AMM2
EPA Moisture	Grossman, Lucas	LKG

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-37676-1	PLR056S0514	Solid	05/22/2014 0948	05/23/2014 0930

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131975

Lab File ID: 184256.D

Dilution: 1.0

Initial Weight/Volume: 6.203 g

Analysis Date: 05/27/2014 1401

Final Weight/Volume: 5 mL

Prep Date: 05/23/2014 1852

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.53	4.7
1,1,2,2-Tetrachloroethane		ND		0.32	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	4.7
1,1,2-Trichloroethane		ND		0.37	4.7
1,1-Dichloroethane		ND		0.34	4.7
1,1-Dichloroethene		ND		0.49	4.7
1,2,4-Trichlorobenzene		ND		0.26	4.7
1,2-Dibromo-3-Chloropropane		ND		1.2	9.5
Ethylene Dibromide		ND		0.47	4.7
1,2-Dichlorobenzene		ND		0.34	4.7
1,2-Dichloroethane		ND		0.32	4.7
1,2-Dichloropropane		ND		0.65	4.7
1,3-Dichlorobenzene		ND		0.33	4.7
1,4-Dichlorobenzene		ND		0.63	4.7
2-Butanone (MEK)		4.7	J	1.3	19
2-Hexanone		ND		0.60	19
4-Methyl-2-pentanone (MIBK)		ND		0.51	19
Acetone		26		6.0	19
Benzene		ND		0.22	4.7
Dichlorobromomethane		ND		0.27	4.7
Bromoform		ND		0.31	4.7
Bromomethane		ND		0.51	4.7
Carbon disulfide		ND		0.42	4.7
Carbon tetrachloride		ND		0.35	4.7
Chlorobenzene		ND		0.31	4.7
Chloroethane		ND		0.82	4.7
Chloroform		ND		0.28	4.7
Chloromethane		ND		0.39	4.7
cis-1,2-Dichloroethene		ND		0.34	4.7
cis-1,3-Dichloropropene		ND		0.32	4.7
Cyclohexane		ND		0.31	9.5
Chlorodibromomethane		ND		0.52	4.7
Dichlorodifluoromethane		ND		0.47	4.7
Ethylbenzene		ND		0.25	4.7
Isopropylbenzene		ND		0.15	4.7
Methyl acetate		ND		1.3	9.5
Methyl tert-butyl ether		ND		0.41	4.7
Methylcyclohexane		ND		0.29	9.5
Methylene Chloride		ND		0.64	4.7
Styrene		ND		0.14	4.7
Tetrachloroethene		ND		0.49	4.7
Toluene		ND		0.26	4.7
trans-1,2-Dichloroethene		ND		0.39	4.7
trans-1,3-Dichloropropene		ND		0.51	4.7
Trichloroethene		ND		0.40	4.7
Trichlorofluoromethane		ND		0.32	4.7

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131975

Lab File ID: 184256.D

Dilution: 1.0

Initial Weight/Volume: 6.203 g

Analysis Date: 05/27/2014 1401

Final Weight/Volume: 5 mL

Prep Date: 05/23/2014 1852

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		1.1	J	0.37	4.7
Xylenes, Total		ND		0.33	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	114		67 - 125
Dibromofluoromethane (Surr)	106		37 - 132
4-Bromofluorobenzene (Surr)	108		52 - 136
1,2-Dichloroethane-d4 (Surr)	92		58 - 123

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-132139

Instrument ID: A3UX18

Prep Method: 5035

Prep Batch: 240-131975

Lab File ID: 184256.D

Dilution: 1.0

Initial Weight/Volume: 6.203 g

Analysis Date: 05/27/2014 1401

Final Weight/Volume: 5 mL

Prep Date: 05/23/2014 1852

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-132700	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-132251	Lab File ID:	40530019.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	05/30/2014 1822			Final Weight/Volume:	2 mL
Prep Date:	05/28/2014 0817			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		54	J	4.1	59
bis (2-chloroisopropyl) ether		ND		11	120
2,4,5-Trichlorophenol		ND		29	180
2,4,6-Trichlorophenol		ND		10	180
2,4-Dichlorophenol		ND		24	180
2,4-Dimethylphenol		ND		24	180
2,4-Dinitrophenol		ND		25	390
2,4-Dinitrotoluene		ND		20	240
2,6-Dinitrotoluene		ND		25	240
2-Chloronaphthalene		ND		0.53	59
2-Chlorophenol		ND		9.6	59
2-Methylnaphthalene		260		0.59	7.8
2-Methylphenol		ND		13	240
2-Nitroaniline		ND		11	240
2-Nitrophenol		ND		9.8	59
3,3'-Dichlorobenzidine		ND		21	120
3-Nitroaniline		ND		19	240
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		15	59
4-Chloro-3-methylphenol		ND		25	180
4-Chloroaniline		ND		20	180
4-Chlorophenyl phenyl ether		ND		15	59
4-Nitroaniline		ND		31	240
4-Nitrophenol		ND		20	390
Acenaphthene		120		0.89	7.8
Acenaphthylene		23		0.41	7.8
Acetophenone		ND		11	120
Anthracene		250		0.92	7.8
Atrazine		ND		11	240
Benzaldehyde		14	J	14	120
Benzo[a]anthracene		510		0.74	7.8
Benzo[a]pyrene		560		0.75	7.8
Benzo[b]fluoranthene		760		0.69	7.8
Benzo[g,h,i]perylene		390		0.41	7.8
Benzo[k]fluoranthene		300		0.80	7.8
Bis(2-chloroethoxy)methane		ND		26	120
Bis(2-chloroethyl)ether		ND		2.4	120
Bis(2-ethylhexyl) phthalate		48	J	22	82
Butyl benzyl phthalate		ND		12	82
Caprolactam		ND		44	390
Carbazole		170		32	59
Chrysene		600		1.3	7.8
Dibenz(a,h)anthracene		84		0.78	7.8
Dibenzofuran		150		0.78	59
Diethyl phthalate		ND		19	82
Dimethyl phthalate		ND		20	82

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-132700	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-132251	Lab File ID:	40530019.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	05/30/2014 1822			Final Weight/Volume:	2 mL
Prep Date:	05/28/2014 0817			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		24	J	18	82
Di-n-octyl phthalate		ND		9.3	82
Fluoranthene		1100		0.65	7.8
Fluorene		170		0.62	7.8
Hexachlorobenzene		ND		2.5	7.8
Hexachlorobutadiene		ND		6.6	59
Hexachlorocyclopentadiene		ND		9.5	390
Hexachloroethane		ND		11	59
Indeno[1,2,3-cd]pyrene		320		0.41	7.8
Isophorone		ND		15	59
N-Nitrosodi-n-propylamine		ND		7.4	59
N-Nitrosodiphenylamine		ND		25	59
Naphthalene		750		0.96	7.8
Nitrobenzene		ND		2.6	120
Pentachlorophenol		35	J	11	180
Phenanthrene		1100		0.86	7.8
Phenol		ND		8.6	59
Pyrene		1100		0.52	7.8
3 & 4 Methylphenol		77	J	24	470

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	86		36 - 110
Phenol-d5 (Surr)	74		26 - 110
Nitrobenzene-d5 (Surr)	65		20 - 110
2-Fluorophenol (Surr)	70		24 - 110
2-Fluorobiphenyl (Surr)	69		24 - 110
2,4,6-Tribromophenol (Surr)	63		10 - 110

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 240-132700

Instrument ID: A4HP7

Prep Method: 3540C

Prep Batch: 240-132251

Lab File ID: 40530019.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Analysis Date: 05/30/2014 1822

Final Weight/Volume: 2 mL

Prep Date: 05/28/2014 0817

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.68	360	T J
	Unknown	4.15	180	T J
	Unknown	4.43	140	T J
	Unknown	4.83	110	T J
	Unknown	4.93	4900	T J
79-06-1	Acrylamide	5.06	110	J
	Unknown	5.60	110	T J
527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	6.53	320	T J N
90-12-0	1-Methylnaphthalene	8.29	150	
	Unknown	9.84	120	T J
	Unknown	12.76	100	T J
	Unknown	14.70	200	T J
18435-45-5	1-Nonadecene	15.06	590	T J N
	Unknown	15.42	230	T J
	Unknown	15.87	150	T J
7225-64-1	Heptadecane, 9-octyl-	16.19	380	T J N
	Unknown	16.28	170	T J
	Unknown	18.10	190	T J
	Unknown	18.35	360	T J
	Unknown	18.56	310	T J

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-132434	Initial Weight/Volume:	30.08 g
Dilution:	20			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1900			Injection Volume:	1 uL
Prep Date:	05/29/2014 0715			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		15	40
4,4'-DDE		ND		9.2	40
4,4'-DDT		ND		15	40
Aldrin		ND		28	40
alpha-BHC		ND		17	40
alpha-Chlordane		ND		22	40
beta-BHC		ND		26	40
delta-BHC		ND		28	40
Dieldrin		ND		11	40
Endosulfan I		ND		12	40
Endosulfan II		ND		19	40
Endosulfan sulfate		ND		20	40
Endrin		ND		12	40
Endrin aldehyde		ND		23	40
Endrin ketone		ND		15	40
gamma-BHC (Lindane)		ND		17	40
gamma-Chlordane		ND		9.9	40
Heptachlor		ND		26	40
Heptachlor epoxide		ND		19	40
Toxaphene		ND		450	1600
Methoxychlor		ND		35	78
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		344	X	41 - 157	
Tetrachloro-m-xylene		142		40 - 149	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-132486

Instrument ID: A2HP3

Prep Method: 3540C

Prep Batch: 240-132434

Initial Weight/Volume: 30.08 g

Dilution: 20

Final Weight/Volume: 10 mL

Analysis Date: 05/29/2014 1900

Injection Volume: 1 uL

Prep Date: 05/29/2014 0715

Result Type: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		15	40
4,4'-DDE		ND		9.2	40
4,4'-DDT		ND		15	40
Aldrin		ND		28	40
alpha-BHC		ND		17	40
alpha-Chlordane		ND		22	40
beta-BHC		ND		26	40
delta-BHC		ND		28	40
Dieldrin		ND		11	40
Endosulfan I		ND		12	40
Endosulfan II		ND		19	40
Endosulfan sulfate		ND		20	40
Endrin		ND		12	40
Endrin aldehyde		ND		23	40
Endrin ketone		ND		15	40
gamma-BHC (Lindane)		ND		17	40
gamma-Chlordane		ND		9.9	40
Heptachlor		ND		26	40
Heptachlor epoxide		ND		19	40
Toxaphene		ND		450	1600
Methoxychlor		ND		35	78
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		123	p	41 - 157	
Tetrachloro-m-xylene		105		40 - 149	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-132976	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-132308	Initial Weight/Volume:	29.89 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2014 1349			Injection Volume:	1 uL
Prep Date:	05/28/2014 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	200
Aroclor-1221		ND		23	200
Aroclor-1232		ND		46	200
Aroclor-1242		ND		27	200
Aroclor-1248		ND		27	200
Aroclor-1254		ND		28	200
Aroclor-1260		56	J p	24	200
Aroclor-1262		ND		35	200
Aroclor-1268		ND		45	200
Polychlorinated biphenyls, Total		56	J	23	200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		29 - 151
DCB Decachlorobiphenyl	92	p	14 - 163

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

Client Sample ID: PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

% Moisture: 15.1

Date Received: 05/23/2014 0930

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 240-133505

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-133164

Lab File ID: I9060514A.asc

Dilution: 1.0

Initial Weight/Volume: 1.17 g

Analysis Date: 06/05/2014 1012

Final Weight/Volume: 100 mL

Prep Date: 06/03/2014 1216

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		35		0.12	20
Cadmium		0.10	J	0.036	0.50
Chromium		9.9		0.20	1.0
Silver		1.4		0.10	1.0
Arsenic		1.9		0.30	1.5
Lead		56		0.19	1.0
Selenium		ND		0.45	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method: 7471B

Analysis Batch: 240-133382

Instrument ID: H4

Prep Method: 7471B

Prep Batch: 240-133170

Lab File ID: 060414A-HG4.PRN

Dilution: 1.0

Initial Weight/Volume: 0.53 g

Analysis Date: 06/04/2014 1029

Final Weight/Volume: 100 mL

Prep Date: 06/03/2014 1540

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.029	J	0.020	0.13

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37676-1

General Chemistry**Client Sample ID:** PLR056S0514

Lab Sample ID: 240-37676-1

Date Sampled: 05/22/2014 0948

Client Matrix: Solid

Date Received: 05/23/2014 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-131963	Analysis Date: 05/24/2014 0749					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-131963	Analysis Date: 05/24/2014 0749					DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Section	Qualifier	Description
GC/MS VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-131975					
240-37676-1	PLR056S0514	T	Solid	5035	
Analysis Batch:240-132139					
LCS 240-132139/5	Lab Control Sample	T	Solid	8260C	
MB 240-132139/7	Method Blank	T	Solid	8260C	
240-37676-1	PLR056S0514	T	Solid	8260C	240-131975

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 240-132251					
LCS 240-132251/17-A	Lab Control Sample	T	Solid	3540C	
MB 240-132251/16-A	Method Blank	T	Solid	3540C	
240-37676-1	PLR056S0514	T	Solid	3540C	
Analysis Batch:240-132700					
LCS 240-132251/17-A	Lab Control Sample	T	Solid	8270D	240-132251
MB 240-132251/16-A	Method Blank	T	Solid	8270D	240-132251
240-37676-1	PLR056S0514	T	Solid	8270D	240-132251

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-132308					
LCS 240-132308/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-132308/21-A	Method Blank	T	Solid	3540C	
240-37676-1	PLR056S0514	T	Solid	3540C	
Prep Batch: 240-132434					
LCS 240-132434/8-A	Lab Control Sample	T	Solid	3540C	
MB 240-132434/7-A	Method Blank	T	Solid	3540C	
240-37676-1	PLR056S0514	T	Solid	3540C	
Analysis Batch:240-132486					
PB 240-132486/6	Preparation / Extraction Blank	T	Solid	8081B	
LCS 240-132434/8-A	Lab Control Sample	T	Solid	8081B	240-132434
MB 240-132434/7-A	Method Blank	T	Solid	8081B	240-132434
240-37676-1	PLR056S0514	T	Solid	8081B	240-132434
Analysis Batch:240-132633					
LCS 240-132308/22-A	Lab Control Sample	T	Solid	8082A	240-132308
MB 240-132308/21-A	Method Blank	T	Solid	8082A	240-132308
Analysis Batch:240-132976					
240-37676-1	PLR056S0514	T	Solid	8082A	240-132308

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-133164					
LCS 240-133164/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-133164/1-A	Method Blank	T	Solid	3050B	
240-37676-1	PLR056S0514	T	Solid	3050B	
Prep Batch: 240-133170					
LCS 240-133170/2-A	Lab Control Sample	T	Solid	7471B	
MB 240-133170/1-A	Method Blank	T	Solid	7471B	
240-37676-1	PLR056S0514	T	Solid	7471B	
Analysis Batch:240-133382					
LCS 240-133170/2-A	Lab Control Sample	T	Solid	7471B	240-133170
MB 240-133170/1-A	Method Blank	T	Solid	7471B	240-133170
240-37676-1	PLR056S0514	T	Solid	7471B	240-133170
Analysis Batch:240-133505					
LCS 240-133164/2-A	Lab Control Sample	T	Solid	6010C	240-133164
MB 240-133164/1-A	Method Blank	T	Solid	6010C	240-133164
240-37676-1	PLR056S0514	T	Solid	6010C	240-133164

Report Basis

T = Total

General Chemistry

Analysis Batch:240-131963					
240-37676-1	PLR056S0514	T	Solid	Moisture	

Report Basis

T = Total

Client: EnSafe, Inc.

Job Number: 240-37676-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-37676-1	PLR056S0514	114	106	108	92
MB 240-132139/7		113	107	100	95
LCS 240-132139/5		109	104	96	90

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	67-125
DBFM = Dibromofluoromethane (Surr)	37-132
BFB = 4-Bromofluorobenzene (Surr)	52-136
DCA = 1,2-Dichloroethane-d4 (Surr)	58-123

Client: EnSafe, Inc.

Job Number: 240-37676-1

Surrogate Recovery Report**8270D Semivolatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TPH %Rec	PHL %Rec	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec
240-37676-1	PLR056S0514	86	74	65	70	69	63
MB 240-132251/16-A		96	71	72	60	71	27
LCS 240-132251/17-A		91	78	75	76	74	67

Surrogate	Acceptance Limits
TPH = Terphenyl-d14 (Surr)	36-110
PHL = Phenol-d5 (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
2FP = 2-Fluorophenol (Surr)	24-110
FBP = 2-Fluorobiphenyl (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-37676-1	PLR056S0514	123p	344X	105	142
MB 240-132434/7-A			87	83	
LCS 240-132434/8-A			105	83	

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	41-157
TCX = Tetrachloro-m-xylene	40-149

Client: EnSafe, Inc.

Job Number: 240-37676-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-37676-1	PLR056S0514	95	92p
MB 240-132308/21-A		92	87
LCS 240-132308/22-A		91	88

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-132139

Method: 8260C Preparation: N/A

Lab Sample ID: MB 240-132139/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/27/2014 1220
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 240-132139
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX18
Lab File ID: 184252.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.56	5.0
1,1,2,2-Tetrachloroethane	ND		0.34	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.3	5.0
1,1,2-Trichloroethane	ND		0.39	5.0
1,1-Dichloroethane	ND		0.36	5.0
1,1-Dichloroethene	ND		0.52	5.0
1,2,4-Trichlorobenzene	ND		0.27	5.0
1,2-Dibromo-3-Chloropropane	ND		1.3	10
Ethylene Dibromide	ND		0.50	5.0
1,2-Dichlorobenzene	ND		0.36	5.0
1,2-Dichloroethane	ND		0.34	5.0
1,2-Dichloropropane	ND		0.69	5.0
1,3-Dichlorobenzene	ND		0.35	5.0
1,4-Dichlorobenzene	ND		0.66	5.0
2-Butanone (MEK)	ND		1.4	20
2-Hexanone	ND		0.63	20
4-Methyl-2-pentanone (MIBK)	ND		0.54	20
Acetone	ND		6.3	20
Benzene	ND		0.23	5.0
Dichlorobromomethane	ND		0.28	5.0
Bromoform	ND		0.33	5.0
Bromomethane	ND		0.54	5.0
Carbon disulfide	ND		0.44	5.0
Carbon tetrachloride	ND		0.37	5.0
Chlorobenzene	ND		0.33	5.0
Chloroethane	ND		0.86	5.0
Chloroform	ND		0.29	5.0
Chloromethane	ND		0.41	5.0
cis-1,2-Dichloroethene	ND		0.36	5.0
cis-1,3-Dichloropropene	ND		0.34	5.0
Cyclohexane	ND		0.33	10
Chlorodibromomethane	ND		0.55	5.0
Dichlorodifluoromethane	ND		0.50	5.0
Ethylbenzene	ND		0.26	5.0
Isopropylbenzene	ND		0.16	5.0
Methyl acetate	ND		1.4	10
Methyl tert-butyl ether	ND		0.43	5.0
Methylcyclohexane	ND		0.31	10
Methylene Chloride	1.32	J	0.67	5.0
Styrene	ND		0.15	5.0
Tetrachloroethene	ND		0.52	5.0
Toluene	ND		0.27	5.0
trans-1,2-Dichloroethene	ND		0.41	5.0
trans-1,3-Dichloropropene	ND		0.54	5.0
Trichloroethene	ND		0.42	5.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-132139

Method: 8260C Preparation: N/A

Lab Sample ID:	MB 240-132139/7	Analysis Batch:	240-132139	Instrument ID:	A3UX18
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	184252.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/27/2014 1220	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.34	5.0
Vinyl chloride	ND		0.39	5.0
Xylenes, Total	ND		0.35	10
m-Xylene & p-Xylene	ND		1.2	10
o-Xylene	ND		0.35	5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	113	67 - 125
Dibromofluoromethane (Surr)	107	37 - 132
4-Bromofluorobenzene (Surr)	100	52 - 136
1,2-Dichloroethane-d4 (Surr)	95	58 - 123

Method Blank TICs- Batch: 240-132139

Cas Number	Analyte	RT	Est. Result (ug/K)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Control Sample - Batch: 240-132139

Method: 8260C

Preparation: N/A

Lab Sample ID: LCS 240-132139/5	Analysis Batch: 240-132139	Instrument ID: A3UX18
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: 184250.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 05/27/2014 1129	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	48.8	98	77 - 126	
1,1,2,2-Tetrachloroethane	50.0	51.3	103	77 - 123	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.8	106	80 - 138	
1,1,2-Trichloroethane	50.0	51.1	102	80 - 120	
1,1-Dichloroethane	50.0	47.5	95	76 - 120	
1,1-Dichloroethene	50.0	49.0	98	75 - 135	
1,2,4-Trichlorobenzene	50.0	55.4	111	64 - 124	
1,2-Dibromo-3-Chloropropane	50.0	60.2	120	61 - 132	
Ethylene Dibromide	50.0	53.5	107	80 - 120	
1,2-Dichlorobenzene	50.0	52.4	105	76 - 120	
1,2-Dichloroethane	50.0	47.9	96	72 - 120	
1,2-Dichloropropane	50.0	48.5	97	80 - 120	
1,3-Dichlorobenzene	50.0	51.7	103	78 - 120	
1,4-Dichlorobenzene	50.0	51.8	104	75 - 120	
2-Butanone (MEK)	100	94.7	95	52 - 131	
2-Hexanone	100	93.6	94	64 - 136	
4-Methyl-2-pentanone (MIBK)	100	100	100	67 - 135	
Acetone	100	95.3	95	41 - 137	
Benzene	50.0	48.5	97	79 - 120	
Dichlorobromomethane	50.0	47.9	96	80 - 122	
Bromoform	50.0	52.4	105	62 - 133	
Bromomethane	50.0	39.0	78	42 - 136	
Carbon disulfide	50.0	47.8	96	62 - 146	
Carbon tetrachloride	50.0	53.2	106	71 - 129	
Chlorobenzene	50.0	51.1	102	78 - 120	
Chloroethane	50.0	40.6	81	58 - 120	
Chloroform	50.0	47.3	95	77 - 120	
Chloromethane	50.0	40.8	82	50 - 120	
cis-1,2-Dichloroethene	50.0	48.7	97	76 - 120	
cis-1,3-Dichloropropene	50.0	52.0	104	74 - 128	
Cyclohexane	50.0	48.4	97	66 - 120	
Chlorodibromomethane	50.0	55.6	111	72 - 127	
Dichlorodifluoromethane	50.0	44.6	89	26 - 120	
Ethylbenzene	50.0	52.4	105	79 - 120	
Isopropylbenzene	50.0	54.4	109	76 - 122	
Methyl acetate	250	232	93	57 - 130	
Methyl tert-butyl ether	50.0	41.2	82	49 - 165	
Methylcyclohexane	50.0	46.5	93	70 - 126	
Methylene Chloride	50.0	49.7	99	75 - 120	
Styrene	50.0	52.4	105	80 - 120	
Tetrachloroethene	50.0	54.1	108	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Control Sample - Batch: 240-132139

Method: 8260C

Preparation: N/A

Lab Sample ID:	LCS 240-132139/5	Analysis Batch:	240-132139	Instrument ID:	A3UX18
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	184250.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/27/2014 1129	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	50.0	50.0	100	75 - 120	
trans-1,2-Dichloroethene	50.0	50.6	101	78 - 120	
trans-1,3-Dichloropropene	50.0	48.2	96	73 - 131	
Trichloroethene	50.0	55.2	110	79 - 120	
Trichlorofluoromethane	50.0	46.7	93	57 - 146	
Vinyl chloride	50.0	41.9	84	57 - 120	
Xylenes, Total	100	106	106	80 - 120	
m-Xylene & p-Xylene	50.0	52.5	105	80 - 120	
o-Xylene	50.0	53.2	106	80 - 120	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	109	67 - 125
Dibromofluoromethane (Surr)	104	37 - 132
4-Bromofluorobenzene (Surr)	96	52 - 136
1,2-Dichloroethane-d4 (Surr)	90	58 - 123

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-132251

Method: 8270D Preparation: 3540C

Lab Sample ID: MB 240-132251/16-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 1613
Prep Date: 05/28/2014 0817
Leach Date: N/A

Analysis Batch: 240-132700
Prep Batch: 240-132251
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP7
Lab File ID: 40530014.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		3.5	50
bis (2-chloroisopropyl) ether	ND		9.5	100
2,4,5-Trichlorophenol	ND		25	150
2,4,6-Trichlorophenol	ND		8.9	150
2,4-Dichlorophenol	ND		20	150
2,4-Dimethylphenol	ND		20	150
2,4-Dinitrophenol	ND		21	330
2,4-Dinitrotoluene	ND		17	200
2,6-Dinitrotoluene	ND		21	200
2-Chloronaphthalene	ND		0.45	50
2-Chlorophenol	ND		8.2	50
2-Methylnaphthalene	ND		0.50	6.7
2-Methylphenol	ND		11	200
2-Nitroaniline	ND		9.1	200
2-Nitrophenol	ND		8.3	50
3,3'-Dichlorobenzidine	ND		18	100
3-Nitroaniline	ND		16	200
4,6-Dinitro-2-methylphenol	ND		9.2	150
4-Bromophenyl phenyl ether	ND		13	50
4-Chloro-3-methylphenol	ND		21	150
4-Chloroaniline	ND		17	150
4-Chlorophenyl phenyl ether	ND		13	50
4-Nitroaniline	ND		26	200
4-Nitrophenol	ND		17	330
Acenaphthene	ND		0.76	6.7
Acenaphthylene	ND		0.35	6.7
Acetophenone	ND		9.2	100
Anthracene	ND		0.78	6.7
Atrazine	ND		9.1	200
Benzaldehyde	ND		12	100
Benzo[a]anthracene	ND		0.63	6.7
Benzo[a]pyrene	ND		0.64	6.7
Benzo[b]fluoranthene	ND		0.59	6.7
Benzo[g,h,i]perylene	ND		0.35	6.7
Benzo[k]fluoranthene	ND		0.68	6.7
Bis(2-chloroethoxy)methane	ND		22	100
Bis(2-chloroethyl)ether	ND		2.0	100
Bis(2-ethylhexyl) phthalate	ND		19	70
Butyl benzyl phthalate	ND		10	70
Caprolactam	ND		37	330
Carbazole	ND		27	50
Chrysene	ND		1.1	6.7
Dibenz(a,h)anthracene	ND		0.66	6.7
Dibenzofuran	ND		0.66	50
Diethyl phthalate	ND		16	70

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-132251

Method: 8270D Preparation: 3540C

Lab Sample ID: MB 240-132251/16-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 1613
Prep Date: 05/28/2014 0817
Leach Date: N/A

Analysis Batch: 240-132700
Prep Batch: 240-132251
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP7
Lab File ID: 40530014.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	70
Di-n-butyl phthalate	ND		15	70
Di-n-octyl phthalate	ND		7.9	70
Fluoranthene	ND		0.55	6.7
Fluorene	ND		0.53	6.7
Hexachlorobenzene	ND		2.1	6.7
Hexachlorobutadiene	ND		5.6	50
Hexachlorocyclopentadiene	ND		8.1	330
Hexachloroethane	ND		9.0	50
Indeno[1,2,3-cd]pyrene	ND		0.35	6.7
Isophorone	ND		13	50
N-Nitrosodi-n-propylamine	ND		6.3	50
N-Nitrosodiphenylamine	ND		21	50
Naphthalene	ND		0.82	6.7
Nitrobenzene	ND		2.2	100
Pentachlorophenol	ND		9.1	150
Phenanthrene	ND		0.73	6.7
Phenol	ND		7.3	50
Pyrene	ND		0.44	6.7
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	96	36 - 110
Phenol-d5 (Surr)	71	26 - 110
Nitrobenzene-d5 (Surr)	72	20 - 110
2-Fluorophenol (Surr)	60	24 - 110
2-Fluorobiphenyl (Surr)	71	24 - 110
2,4,6-Tribromophenol (Surr)	27	10 - 110

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank TICs- Batch: 240-132251

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Unknown	5.60	104	T J
	Unknown	9.39	14.5	T J
	Unknown	8.73	16.6	T J
	Unknown	3.61	17.5	T J
	Unknown	7.73	17.6	T J
	Unknown	6.05	17.7	T J
	Unknown	6.60	20.0	T J
	Unknown	10.50	20.1	T J
	Unknown	8.56	21.8	T J
	Unknown	2.68	226	T J
	Unknown	3.45	24.9	T J
	Unknown	7.46	33.1	T J
	Unknown	4.20	33.4	T J
	Unknown	4.58	41.3	T J
	Unknown	5.78	41.6	T J
	Unknown	6.29	41.9	T J
	Unknown	4.94	5950	T J
	Unknown	2.58	65.0	T J
	Unknown	4.66	71.7	T J
	Unknown	4.43	80.7	T J

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Control Sample - Batch: 240-132251

Method: 8270D

Preparation: 3540C

Lab Sample ID: LCS 240-132251/17-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/30/2014 1639
 Prep Date: 05/28/2014 0817
 Leach Date: N/A

Analysis Batch: 240-132700
 Prep Batch: 240-132251
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A4HP7
 Lab File ID: 40530015.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	498	75	35 - 110	
bis (2-chloroisopropyl) ether	667	497	75	29 - 110	
2,4,5-Trichlorophenol	667	458	69	25 - 110	
2,4,6-Trichlorophenol	667	468	70	12 - 110	
2,4-Dichlorophenol	667	494	74	39 - 110	
2,4-Dimethylphenol	667	411	62	29 - 110	
2,4-Dinitrophenol	1330	457	34	10 - 110	
2,4-Dinitrotoluene	667	555	83	48 - 110	
2,6-Dinitrotoluene	667	539	81	45 - 110	
2-Chloronaphthalene	667	495	74	32 - 110	
2-Chlorophenol	667	501	75	37 - 110	
2-Methylnaphthalene	667	495	74	36 - 110	
2-Methylphenol	667	474	71	41 - 110	
2-Nitroaniline	667	539	81	45 - 110	
2-Nitrophenol	667	500	75	34 - 110	
3,3'-Dichlorobenzidine	1330	974	73	28 - 110	
3-Nitroaniline	667	506	76	44 - 110	
4,6-Dinitro-2-methylphenol	1330	782	59	10 - 110	
4-Bromophenyl phenyl ether	667	491	74	39 - 110	
4-Chloro-3-methylphenol	667	524	79	48 - 110	
4-Chloroaniline	667	410	61	30 - 110	
4-Chlorophenyl phenyl ether	667	504	76	40 - 110	
4-Nitroaniline	667	520	78	48 - 110	
4-Nitrophenol	1330	1150	87	28 - 110	
Acenaphthene	667	505	76	38 - 110	
Acenaphthylene	667	484	73	40 - 110	
Acetophenone	667	506	76	40 - 110	
Anthracene	667	506	76	48 - 110	
Atrazine	1330	1120	84	66 - 127	
Benzaldehyde	1330	1120	84	32 - 110	
Benzo[a]anthracene	667	503	75	50 - 110	
Benzo[a]pyrene	667	548	82	44 - 110	
Benzo[b]fluoranthene	667	560	84	43 - 110	
Benzo[g,h,i]perylene	667	539	81	51 - 110	
Benzo[k]fluoranthene	667	575	86	38 - 105	
Bis(2-chloroethoxy)methane	667	526	79	32 - 110	
Bis(2-chloroethyl)ether	667	514	77	34 - 110	
Bis(2-ethylhexyl) phthalate	667	561	84	50 - 110	
Butyl benzyl phthalate	667	545	82	51 - 110	
Caprolactam	1330	1100	82	44 - 114	
Carbazole	667	511	77	50 - 110	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Control Sample - Batch: 240-132251

Method: 8270D

Preparation: 3540C

Lab Sample ID: LCS 240-132251/17-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 1639
Prep Date: 05/28/2014 0817
Leach Date: N/A

Analysis Batch: 240-132700
Prep Batch: 240-132251
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A4HP7
Lab File ID: 40530015.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	513	77	50 - 110	
Dibenz(a,h)anthracene	667	550	83	51 - 110	
Dibenzofuran	667	498	75	43 - 110	
Diethyl phthalate	667	567	85	52 - 110	
Dimethyl phthalate	667	524	79	50 - 110	
Di-n-butyl phthalate	667	568	85	51 - 110	
Di-n-octyl phthalate	667	532	80	48 - 110	
Fluoranthene	667	522	78	51 - 110	
Fluorene	667	522	78	46 - 110	
Hexachlorobenzene	667	462	69	43 - 110	
Hexachlorobutadiene	667	501	75	29 - 110	
Hexachlorocyclopentadiene	667	344	52	12 - 110	
Hexachloroethane	667	520	78	30 - 110	
Indeno[1,2,3-cd]pyrene	667	541	81	50 - 110	
Isophorone	667	496	74	36 - 110	
N-Nitrosodi-n-propylamine	667	526	79	38 - 110	
N-Nitrosodiphenylamine	1330	1070	81	46 - 110	
Naphthalene	667	493	74	36 - 110	
Nitrobenzene	667	531	80	32 - 110	
Pentachlorophenol	1330	650	49	10 - 110	
Phenanthrene	667	512	77	49 - 110	
Phenol	667	519	78	38 - 110	
Pyrene	667	522	78	49 - 110	
3 & 4 Methylphenol	667	492	74	40 - 110	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	91	36 - 110
Phenol-d5 (Surr)	78	26 - 110
Nitrobenzene-d5 (Surr)	75	20 - 110
2-Fluorophenol (Surr)	76	24 - 110
2-Fluorobiphenyl (Surr)	74	24 - 110
2,4,6-Tribromophenol (Surr)	67	10 - 110

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-132434

Method: 8081B

Preparation: 3540C

Lab Sample ID: MB 240-132434/7-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2014 2055
 Prep Date: 05/29/2014 0715
 Leach Date: N/A

Analysis Batch: 240-132486
 Prep Batch: 240-132434
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A2HP3
 Lab File ID: P3052919.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	1.7
Aldrin	ND		1.2	1.7
alpha-BHC	ND		0.73	1.7
alpha-Chlordane	ND		0.94	1.7
beta-BHC	ND		1.1	1.7
delta-BHC	ND		1.2	1.7
Dieldrin	ND		0.47	1.7
Endosulfan I	ND		0.52	1.7
Endosulfan II	ND		0.82	1.7
Endosulfan sulfate	ND		0.87	1.7
Endrin	ND		0.50	1.7
Endrin aldehyde	ND		1.0	1.7
Endrin ketone	ND		0.63	1.7
gamma-BHC (Lindane)	ND		0.74	1.7
gamma-Chlordane	ND		0.42	1.7
Heptachlor	ND		1.1	1.7
Heptachlor epoxide	ND		0.80	1.7
Toxaphene	ND		19	67
Methoxychlor	ND		1.5	3.3
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	87		41 - 157	
Tetrachloro-m-xylene	83		40 - 149	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Lab Control Sample - Batch: 240-132434

Method: 8081B

Preparation: 3540C

Lab Sample ID: LCS 240-132434/8-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2014 2118
 Prep Date: 05/29/2014 0715
 Leach Date: N/A

Analysis Batch: 240-132486
 Prep Batch: 240-132434
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A2HP3
 Lab File ID: P3052920.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	31.3	94	53 - 160	
4,4'-DDE	33.3	31.4	94	46 - 143	
4,4'-DDT	33.3	37.2	112	40 - 157	
Aldrin	33.3	28.6	86	40 - 145	
alpha-BHC	33.3	28.3	85	50 - 153	
alpha-Chlordane	33.3	29.9	90	42 - 150	
beta-BHC	33.3	28.6	86	43 - 153	
delta-BHC	33.3	30.7	92	54 - 152	
Dieldrin	33.3	30.8	92	51 - 154	
Endosulfan I	33.3	26.1	78	40 - 148	
Endosulfan II	33.3	28.0	84	42 - 137	
Endosulfan sulfate	33.3	30.2	91	50 - 153	
Endrin	33.3	31.3	94	55 - 147	
Endrin aldehyde	33.3	29.6	89	43 - 158	
Endrin ketone	33.3	29.2	88	41 - 142	
gamma-BHC (Lindane)	33.3	28.4	85	44 - 160	
gamma-Chlordane	33.3	30.3	91	47 - 156	
Heptachlor	33.3	28.5	85	47 - 137	
Heptachlor epoxide	33.3	29.2	88	53 - 153	
Methoxychlor	33.3	34.8	104	40 - 152	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	105		41 - 157		
Tetrachloro-m-xylene	83		40 - 149		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Preparation / Extraction Blank - Batch: 240-132486

Method: 8081B

Preparation: N/A

Lab Sample ID:	PB 240-132486/6	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3052906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	05/29/2014 1558	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	5.1
Aldrin	ND		3.6	5.1
alpha-BHC	ND		2.2	5.1
alpha-Chlordane	ND		2.8	5.1
beta-BHC	ND		3.3	5.1
delta-BHC	ND		3.6	5.1
Dieldrin	ND		1.4	5.1
Endosulfan I	ND		1.6	5.1
Endosulfan II	ND		2.5	5.1
Endosulfan sulfate	ND		2.6	5.1
Endrin	ND		1.5	5.1
Endrin aldehyde	ND		3.0	5.1
Endrin ketone	ND		1.9	5.1
gamma-BHC (Lindane)	ND		2.2	5.1
gamma-Chlordane	ND		1.3	5.1
Heptachlor	ND		3.3	5.1
Heptachlor epoxide	ND		2.4	5.1
Toxaphene	ND		57	200
Methoxychlor	ND		4.5	9.9
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl				
Tetrachloro-m-xylene				

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Preparation / Extraction Blank - Batch: 240-132486

Method: 8081B

Preparation: N/A

Lab Sample ID:	PB 240-132486/6	Analysis Batch:	240-132486	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3052906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	05/29/2014 1558	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	5.1
Aldrin	ND		3.6	5.1
alpha-BHC	ND		2.2	5.1
alpha-Chlordane	ND		2.8	5.1
beta-BHC	ND		3.3	5.1
delta-BHC	ND		3.6	5.1
Dieldrin	ND		1.4	5.1
Endosulfan I	ND		1.6	5.1
Endosulfan II	ND		2.5	5.1
Endosulfan sulfate	ND		2.6	5.1
Endrin	ND		1.5	5.1
Endrin aldehyde	ND		3.0	5.1
Endrin ketone	ND		1.9	5.1
gamma-BHC (Lindane)	ND		2.2	5.1
gamma-Chlordane	ND		1.3	5.1
Heptachlor	ND		3.3	5.1
Heptachlor epoxide	ND		2.4	5.1
Toxaphene	ND		57	200
Methoxychlor	ND		4.5	9.9
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		p		
Tetrachloro-m-xylene				

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-132308

Method: 8082A Preparation: 3540C

Lab Sample ID: MB 240-132308/21-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 0833
Prep Date: 05/28/2014 1052
Leach Date: N/A

Analysis Batch: 240-132633
Prep Batch: 240-132308
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A2HP10
Lab File ID: P1000021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		24	200
Aroclor-1221	ND		24	200
Aroclor-1232	ND		47	200
Aroclor-1242	ND		28	200
Aroclor-1248	ND		27	200
Aroclor-1254	ND		29	200
Aroclor-1260	ND		24	200
Aroclor-1262	ND		36	200
Aroclor-1268	ND		45	200
Polychlorinated biphenyls, Total	ND		24	200

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	92	29 - 151
DCB Decachlorobiphenyl	87	14 - 163

Lab Control Sample - Batch: 240-132308

Method: 8082A Preparation: 3540C

Lab Sample ID: LCS 240-132308/22-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2014 1132
Prep Date: 05/28/2014 1052
Leach Date: N/A

Analysis Batch: 240-132633
Prep Batch: 240-132308
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A2HP10
Lab File ID: P1000033.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2000	1820	91	62 - 120	
Aroclor-1260	2000	1760	88	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	88	14 - 163

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-133164

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 240-133164/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2014 0951
Prep Date: 06/03/2014 1216
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133164
Leach Batch: N/A
Units: mg/Kg

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Barium	ND		0.12	20
Cadmium	ND		0.036	0.50
Chromium	ND		0.20	1.0
Silver	ND		0.10	1.0
Arsenic	ND		0.30	1.5
Lead	ND		0.19	1.0
Selenium	ND		0.45	2.0

Lab Control Sample - Batch: 240-133164

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 240-133164/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2014 0955
Prep Date: 06/03/2014 1216
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133164
Leach Batch: N/A
Units: mg/Kg

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	188	94	80 - 120	
Cadmium	5.00	4.90	98	80 - 120	
Chromium	20.0	19.1	96	80 - 120	
Silver	5.00	4.94	99	80 - 120	
Arsenic	200	191	95	80 - 120	
Lead	50.0	46.4	93	80 - 120	
Selenium	200	196	98	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37676-1

Method Blank - Batch: 240-133170

Method: 7471B

Preparation: 7471B

Lab Sample ID: MB 240-133170/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/04/2014 0941
Prep Date: 06/03/2014 1540
Leach Date: N/A

Analysis Batch: 240-133382
Prep Batch: 240-133170
Leach Batch: N/A
Units: mg/Kg

Instrument ID: H4
Lab File ID: 060414A-HG4.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Hg	ND		0.015	0.10

Lab Control Sample - Batch: 240-133170

Method: 7471B

Preparation: 7471B

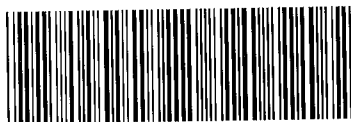
Lab Sample ID: LCS 240-133170/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/04/2014 0943
Prep Date: 06/03/2014 1540
Leach Date: N/A

Analysis Batch: 240-133382
Prep Batch: 240-133170
Leach Batch: N/A
Units: mg/Kg

Instrument ID: H4
Lab File ID: 060414A-HG4.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.833	0.749	90	80 - 120	

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37676 Chain of Custody

[illegible]

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Cask, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SI=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WI=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, if NO preservative added leave blank

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 37676

Client <u>Ensafe</u>	Site Name _____	Cooler unpacked by: <u>[Signature]</u>
Cooler Received on <u>5-23-14</u>	Opened on <u>5-23-14</u>	
FedEx: 1 st Grd ☒ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____		
TestAmerica Cooler # _____ Foam Box ☒ Client Cooler ☐ Box ☐ Other _____		
Packing material used: <u>Bubble Wrap</u> Foam ☐ Plastic Bag ☐ None ☐ Other _____		
COOLANT: <u>Wet Ice</u> Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐		
1. Cooler temperature upon receipt		
IR GUN# A (CF +0 °C) Observed Cooler Temp. <u>2.6</u> °C	Corrected Cooler Temp. <u>2.6</u> °C	☐ See Multiple Cooler Form
IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u> ☒ Yes No ☐		
-Were custody seals on the outside of the cooler(s) signed & dated? ☒ Yes No ☐ NA		
-Were custody seals on the bottle(s)? ☐ Yes ☒ No		
3. Shippers' packing slip attached to the cooler(s)? ☒ Yes No ☐		
4. Did custody papers accompany the sample(s)? ☒ Yes No ☐		
5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes No ☐		
6. Did all bottles arrive in good condition (Unbroken)? ☒ Yes No ☐		
7. Could all bottle labels be reconciled with the COC? ☒ Yes No ☐		
8. Were correct bottle(s) used for the test(s) indicated? ☒ Yes No ☐		
9. Sufficient quantity received to perform indicated analyses? ☒ Yes No ☐		
10. Were sample(s) at the correct pH upon receipt? Yes No ☒ NA pH Strip Lot# <u>HC302587</u>		
11. Were VOAs on the COC? ☒ Yes No ☐		
12. Were air bubbles >6 mm in any VOA vials? Yes No ☒ NA		
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐		
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____		
Concerning _____		

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES 	Samples processed by: <u>[Signature]</u>
--	---

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

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

ANALYTICAL REPORT

Job Number: 240-37873-1

Job Description: MH3 Oil Source Investigation

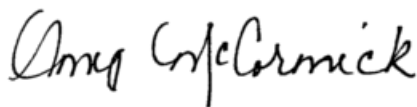
For:

EnSafe, Inc.

220 Athens Way, Plaza 1, Suite 410

Nashville, TN 37228

Attention: Ms. May Heflin



Approved for release.
Amy L. McCormick
Project Manager II
6/11/2014 5:46 PM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
06/11/2014

cc: Shane Goodnight
Final Data Tracking

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.

TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720

Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: EnSafe, Inc.

Project: MH3 Oil Source Investigation

Report Number: 240-37873-1

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

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

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

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

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

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

RECEIPT

The samples were received on 5/30/2014 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/05/2014.

Samples PLR063G0514 (240-37873-1)[1000X] and PLR062G0514 (240-37873-2)[1000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 06/03/2014 and analyzed on 06/06/2014 and 06/09/2014.

Sample PLR063G0514 (240-37873-1)[20X] required dilution prior to analysis due to the nature of the sample matrix. The reporting limits have been adjusted accordingly.

Di-n-butyl phthalate was detected in method blank MB 240-133077/15-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-133077/15-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS/) for batch 133077 recovered outside control limits for Hexachlorocyclopentadiene. Hexachlorocyclopentadiene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Results have been flagged accordingly.

The continuing calibration verification (CCV) recovered above the upper control limit for 4-Chloroaniline. Sample PLR063G0514 (240-37873-1) associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported.

The CCV associated with sample PLR063G0514 (240-37873-1) recovered low for 3-Nitroaniline. The sample was ND for the affected analyte; therefore, no corrective action was taken. Additionally, an LODV was analyzed at the RL to support the ND's.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 06/03/2014 and analyzed on 06/06/2014.

Decachlorobiphenyl failed the surrogate recovery criteria low for PLR063G0514 (240-37873-1). Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. This sample contained an allowable number of surrogate compounds outside limits; therefore, the results have been reported and qualified.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/02/2014 and analyzed on 06/03/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 06/02/2014 and analyzed on 06/05/2014.

Barium was detected in method blank MB 240-132948/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 06/02/2014 and analyzed on 06/03/2014.

According to UTC requirements, the PRDL Standard must be analyzed at a minimum of twice per eight hour working shift. On this analytical run, the eight hour minimum requirement was exceeded. The opening PRDL Standard was analyzed at 08:59, and the closing PRDL Standard was analyzed at 17:75. The percent recoveries for both the opening and closing PRDL Standards were within acceptance criteria. Results for samples PLR063G0514 (240-37873-1) and PLR062G0514 (240-37873-2) were accepted.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37873-1 PLR063G0514						
cis-1,2-Dichloroethene		32000		1000	ug/L	8260C
Vinyl chloride		2900		1000	ug/L	8260C
Total Recoverable						
Barium		220	B	200	ug/L	6010C
Chromium		27		10	ug/L	6010C
Arsenic		30		15	ug/L	6010C
Lead		11		10	ug/L	6010C
240-37873-2 PLR062G0514						
cis-1,2-Dichloroethene		32000		1000	ug/L	8260C
Vinyl chloride		2900		1000	ug/L	8260C
Bis(2-ethylhexyl) phthalate		1.7	B	1.6	ug/L	8270D
Caprolactam		2.8	J	3.9	ug/L	8270D
Diethyl phthalate		0.51	J	0.78	ug/L	8270D
Di-n-butyl phthalate		1.6	B	0.78	ug/L	8270D
Phenol		1.1		0.78	ug/L	8270D
beta-BHC		0.012	J p	0.048	ug/L	8081B
Total Recoverable						
Barium		130	J B	200	ug/L	6010C
Chromium		2.6	J	10	ug/L	6010C
Arsenic		4.7	J	15	ug/L	6010C

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37873-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Purge and Trap	TAL CAN		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CAN		SW846 3510C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081B	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Metals (ICP)	TAL CAN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL CAN		SW846 3005A
Mercury (CVAA)	TAL CAN	SW846 7470A	
Preparation, Mercury	TAL CAN		SW846 7470A

Lab References:

TAL CAN = TestAmerica Canton

Method References:

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method	Analyst	Analyst ID
SW846 8260C	Williams, Larry	LRW
SW846 8270D	Hula, Tom	TMH
SW846 8081B	Matthews, Brandon	BPM
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Counts, Karen	KLC
SW846 7470A	Martin, Aaron	AMM2

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-37873-1	PLR063G0514	Water	05/29/2014 1300	05/30/2014 0930
240-37873-2	PLR062G0514	Water	05/29/2014 1450	05/30/2014 0930

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXR3879.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1817			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1817				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		220	1000
1,1,2,2-Tetrachloroethane	ND		180	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		280	1000
1,1,2-Trichloroethane	ND		270	1000
1,1-Dichloroethane	ND		150	1000
1,1-Dichloroethene	ND		190	1000
1,2,4-Trichlorobenzene	ND		150	1000
1,2-Dibromo-3-Chloropropane	ND		670	2000
Ethylene Dibromide	ND		240	1000
1,2-Dichlorobenzene	ND		130	1000
1,2-Dichloroethane	ND		220	1000
1,2-Dichloropropane	ND		180	1000
1,3-Dichlorobenzene	ND		140	1000
1,4-Dichlorobenzene	ND		130	1000
2-Butanone (MEK)	ND		570	10000
2-Hexanone	ND		410	10000
4-Methyl-2-pentanone (MIBK)	ND		320	10000
Acetone	ND		1100	10000
Benzene	ND		130	1000
Dichlorobromomethane	ND		150	1000
Bromoform	ND		640	1000
Bromomethane	ND		410	1000
Carbon disulfide	ND		130	1000
Carbon tetrachloride	ND		130	1000
Chlorobenzene	ND		150	1000
Chloroethane	ND		290	1000
Chloroform	ND		160	1000
Chloromethane	ND		300	1000
cis-1,2-Dichloroethene	32000		170	1000
cis-1,3-Dichloropropene	ND		140	1000
Cyclohexane	ND		120	1000
Chlorodibromomethane	ND		180	1000
Dichlorodifluoromethane	ND		310	1000
Ethylbenzene	ND		170	1000
Isopropylbenzene	ND		130	1000
Methyl acetate	ND		380	10000
Methyl tert-butyl ether	ND		170	1000
Methylcyclohexane	ND		130	1000
Methylene Chloride	ND		330	1000
Styrene	ND		110	1000
Tetrachloroethene	ND		290	1000
Toluene	ND		130	1000
trans-1,2-Dichloroethene	ND		190	1000
trans-1,3-Dichloropropene	ND		190	1000
Trichloroethene	ND		170	1000
Trichlorofluoromethane	ND		210	1000

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXR3879.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1817			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1817				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2900		220	1000
Xylenes, Total	ND		140	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	80		66 - 120
1,2-Dichloroethane-d4 (Surr)	91		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-133558

Instrument ID: A3UX17

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXR3879.D

Dilution: 1000

Initial Weight/Volume: 5 mL

Analysis Date: 06/05/2014 1817

Final Weight/Volume: 5 mL

Prep Date: 06/05/2014 1817

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXR3880.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1839			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1839				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		220	1000
1,1,2,2-Tetrachloroethane	ND		180	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		280	1000
1,1,2-Trichloroethane	ND		270	1000
1,1-Dichloroethane	ND		150	1000
1,1-Dichloroethene	ND		190	1000
1,2,4-Trichlorobenzene	ND		150	1000
1,2-Dibromo-3-Chloropropane	ND		670	2000
Ethylene Dibromide	ND		240	1000
1,2-Dichlorobenzene	ND		130	1000
1,2-Dichloroethane	ND		220	1000
1,2-Dichloropropane	ND		180	1000
1,3-Dichlorobenzene	ND		140	1000
1,4-Dichlorobenzene	ND		130	1000
2-Butanone (MEK)	ND		570	10000
2-Hexanone	ND		410	10000
4-Methyl-2-pentanone (MIBK)	ND		320	10000
Acetone	ND		1100	10000
Benzene	ND		130	1000
Dichlorobromomethane	ND		150	1000
Bromoform	ND		640	1000
Bromomethane	ND		410	1000
Carbon disulfide	ND		130	1000
Carbon tetrachloride	ND		130	1000
Chlorobenzene	ND		150	1000
Chloroethane	ND		290	1000
Chloroform	ND		160	1000
Chloromethane	ND		300	1000
cis-1,2-Dichloroethene	32000		170	1000
cis-1,3-Dichloropropene	ND		140	1000
Cyclohexane	ND		120	1000
Chlorodibromomethane	ND		180	1000
Dichlorodifluoromethane	ND		310	1000
Ethylbenzene	ND		170	1000
Isopropylbenzene	ND		130	1000
Methyl acetate	ND		380	10000
Methyl tert-butyl ether	ND		170	1000
Methylcyclohexane	ND		130	1000
Methylene Chloride	ND		330	1000
Styrene	ND		110	1000
Tetrachloroethene	ND		290	1000
Toluene	ND		130	1000
trans-1,2-Dichloroethene	ND		190	1000
trans-1,3-Dichloropropene	ND		190	1000
Trichloroethene	ND		170	1000
Trichlorofluoromethane	ND		210	1000

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXR3880.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1839			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1839				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2900		220	1000
Xylenes, Total	ND		140	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	87		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	81		66 - 120
1,2-Dichloroethane-d4 (Surr)	94		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Client Matrix: Water

Date Sampled: 05/29/2014 1450

Date Received: 05/30/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-133558

Instrument ID: A3UX17

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXR3880.D

Dilution: 1000

Initial Weight/Volume: 5 mL

Analysis Date: 06/05/2014 1839

Final Weight/Volume: 5 mL

Prep Date: 06/05/2014 1839

Tentatively Identified Compounds

Number TIC's Found: 0

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609010.D
Dilution:	20			Initial Weight/Volume:	240 mL
Analysis Date:	06/09/2014 1116			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.92	4.2
Acenaphthylene	ND		0.42	4.2
Acetophenone	ND		2.9	21
Anthracene	ND		0.65	4.2
Atrazine	ND		2.4	21
Benzaldehyde	ND		6.2	21
Benzo[a]anthracene	ND		1.2	4.2
Benzo[a]pyrene	ND		0.62	4.2
Benzo[b]fluoranthene	ND		1.2	4.2
Benzo[g,h,i]perylene	ND		1.0	4.2
Benzo[k]fluoranthene	ND		1.0	4.2
1,1'-Biphenyl	ND		2.6	21
Bis(2-chloroethoxy)methane	ND		0.77	21
Bis(2-chloroethyl)ether	ND		4.0	21
2,2'-oxybis[1-chloropropane]	ND		3.8	21
Bis(2-ethylhexyl) phthalate	ND		32	42
4-Bromophenyl phenyl ether	ND		7.2	42
Butyl benzyl phthalate	ND		4.5	21
Caprolactam	ND		7.7	100
Carbazole	ND		2.2	21
4-Chloroaniline	ND		3.1	42
4-Chloro-3-methylphenol	ND		5.8	42
2-Chloronaphthalene	ND		2.4	21
2-Chlorophenol	ND		2.8	21
4-Chlorophenyl phenyl ether	ND		6.1	42
Chrysene	ND		0.73	4.2
Dibenz(a,h)anthracene	ND		0.83	4.2
Dibenzofuran	ND		2.9	21
3,3'-Dichlorobenzidine	ND		7.4	100
2,4-Dichlorophenol	ND		6.1	42
Diethyl phthalate	ND		2.6	21
2,4-Dimethylphenol	ND		6.5	42
Dimethyl phthalate	ND		2.1	21
Di-n-butyl phthalate	ND		8.3	21
4,6-Dinitro-2-methylphenol	ND		11	100
2,4-Dinitrophenol	ND		130	830
2,4-Dinitrotoluene	ND		5.3	100
2,6-Dinitrotoluene	ND		4.9	100
Di-n-octyl phthalate	ND		7.6	21
Fluoranthene	ND		0.56	4.2
Fluorene	ND		0.71	4.2
Hexachlorobenzene	ND		2.4	21
Hexachlorobutadiene	ND		2.9	21
Hexachlorocyclopentadiene	ND	*	52	210
Hexachloroethane	ND		4.6	21
Indeno[1,2,3-cd]pyrene	ND		1.0	4.2

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609010.D
Dilution:	20			Initial Weight/Volume:	240 mL
Analysis Date:	06/09/2014 1116			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.87	21
2-Methylnaphthalene	ND		0.77	4.2
2-Methylphenol	ND		3.9	21
3 & 4 Methylphenol	ND		7.0	42
Naphthalene	ND		0.90	4.2
2-Nitroaniline	ND		6.4	42
3-Nitroaniline	ND		5.5	42
4-Nitroaniline	ND		5.0	42
Nitrobenzene	ND		2.4	21
2-Nitrophenol	ND		4.3	42
4-Nitrophenol	ND		12	100
N-Nitrosodi-n-propylamine	ND		3.3	21
N-Nitrosodiphenylamine	ND		2.3	21
Pentachlorophenol	ND		110	830
Phenanthrene	ND		0.65	4.2
Phenol	ND		3.1	21
Pyrene	ND		0.58	4.2
2,4,5-Trichlorophenol	ND		7.6	100
2,4,6-Trichlorophenol	ND		5.4	100

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	47		21 - 128
2-Fluorophenol (Surr)	39		15 - 110
Phenol-d5 (Surr)	44		10 - 110
Nitrobenzene-d5 (Surr)	43		31 - 110
2-Fluorobiphenyl (Surr)	49		29 - 110
Terphenyl-d14 (Surr)	60		31 - 115

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609010.D
Dilution:	20			Initial Weight/Volume:	240 mL
Analysis Date:	06/09/2014 1116			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 19**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
110-82-7	Cyclohexane	2.80	23	T J N
75-85-4	Amylene Hydrate	2.88	920	T J N
563-80-4	2-Butanone, 3-methyl-	3.04	310	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	200	T J N
1000245-58-2	4-Cyclopropylcarbonyloxydodecane	4.70	23	T J N
540-88-5	Acetic acid, 1,1-dimethylethyl ester	4.85	24	T J N
19780-68-8	3-Ethyl-4-methyl-2-pentene	5.24	25	T J N
563-79-1	2-Butene, 2,3-dimethyl-	5.34	23	T J N
1576-87-0	2-Pentenal, (E)-	5.51	61	T J N
584-94-1	Hexane, 2,3-dimethyl-	5.61	32	T J N
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	5.74	66	T J N
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	29	T J N
334-48-5	n-Decanoic acid	7.51	26	T J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	8.48	45	T J N
630-07-9	Pentatriacontane	8.93	85	T J N
544-76-3	Hexadecane	9.04	27	J
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	9.50	530	T J N
593-45-3	n-Octadecane	9.89	1400	E
593-45-3	Octadecane	10.19	840	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0606031.D
Dilution:	1.0			Initial Weight/Volume:	320 mL
Analysis Date:	06/06/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.034	0.16
Acenaphthylene	ND		0.016	0.16
Acetophenone	ND		0.11	0.78
Anthracene	ND		0.024	0.16
Atrazine	ND		0.091	0.78
Benzaldehyde	ND		0.23	0.78
Benzo[a]anthracene	ND		0.046	0.16
Benzo[a]pyrene	ND		0.023	0.16
Benzo[b]fluoranthene	ND		0.046	0.16
Benzo[g,h,i]perylene	ND		0.039	0.16
Benzo[k]fluoranthene	ND		0.038	0.16
1,1'-Biphenyl	ND		0.097	0.78
Bis(2-chloroethoxy)methane	ND		0.029	0.78
Bis(2-chloroethyl)ether	ND		0.15	0.78
2,2'-oxybis[1-chloropropane]	ND		0.14	0.78
Bis(2-ethylhexyl) phthalate	1.7	B	1.2	1.6
4-Bromophenyl phenyl ether	ND		0.27	1.6
Butyl benzyl phthalate	ND		0.17	0.78
Caprolactam	2.8	J	0.29	3.9
Carbazole	ND		0.082	0.78
4-Chloroaniline	ND		0.12	1.6
4-Chloro-3-methylphenol	ND		0.22	1.6
2-Chloronaphthalene	ND		0.090	0.78
2-Chlorophenol	ND		0.10	0.78
4-Chlorophenyl phenyl ether	ND		0.23	1.6
Chrysene	ND		0.027	0.16
Dibenz(a,h)anthracene	ND		0.031	0.16
Dibenzofuran	ND		0.11	0.78
3,3'-Dichlorobenzidine	ND		0.28	3.9
2,4-Dichlorophenol	ND		0.23	1.6
Diethyl phthalate	0.51	J	0.098	0.78
2,4-Dimethylphenol	ND		0.25	1.6
Dimethyl phthalate	ND		0.079	0.78
Di-n-butyl phthalate	1.6	B	0.31	0.78
4,6-Dinitro-2-methylphenol	ND		0.41	3.9
2,4-Dinitrophenol	ND		4.8	31
2,4-Dinitrotoluene	ND		0.20	3.9
2,6-Dinitrotoluene	ND		0.18	3.9
Di-n-octyl phthalate	ND		0.29	0.78
Fluoranthene	ND		0.021	0.16
Fluorene	ND		0.027	0.16
Hexachlorobenzene	ND		0.090	0.78
Hexachlorobutadiene	ND		0.11	0.78
Hexachlorocyclopentadiene	ND	*	1.9	7.8
Hexachloroethane	ND		0.17	0.78
Indeno[1,2,3-cd]pyrene	ND		0.038	0.16

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0606031.D
Dilution:	1.0			Initial Weight/Volume:	320 mL
Analysis Date:	06/06/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.033	0.78
2-Methylnaphthalene	ND		0.029	0.16
2-Methylphenol	ND		0.15	0.78
3 & 4 Methylphenol	ND		0.26	1.6
Naphthalene	ND		0.034	0.16
2-Nitroaniline	ND		0.24	1.6
3-Nitroaniline	ND		0.21	1.6
4-Nitroaniline	ND		0.19	1.6
Nitrobenzene	ND		0.091	0.78
2-Nitrophenol	ND		0.16	1.6
4-Nitrophenol	ND		0.46	3.9
N-Nitrosodi-n-propylamine	ND		0.12	0.78
N-Nitrosodiphenylamine	ND		0.088	0.78
Pentachlorophenol	ND		4.3	31
Phenanthrene	ND		0.024	0.16
Phenol	1.1		0.12	0.78
Pyrene	ND		0.022	0.16
2,4,5-Trichlorophenol	ND		0.29	3.9
2,4,6-Trichlorophenol	ND		0.20	3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	76		21 - 128
2-Fluorophenol (Surr)	63		15 - 110
Phenol-d5 (Surr)	67		10 - 110
Nitrobenzene-d5 (Surr)	63		31 - 110
2-Fluorobiphenyl (Surr)	54		29 - 110
Terphenyl-d14 (Surr)	75		31 - 115

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0606031.D
Dilution:	1.0			Initial Weight/Volume:	320 mL
Analysis Date:	06/06/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
110-82-7	Cyclohexane	2.79	4.6	T J N
75-85-4	Amylene Hydrate	2.87	5.1	T J N
110-82-7	Cyclohexane	3.12	74	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	140	T J N
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.85	35	T J N
100-41-4	Ethylbenzene	5.05	2.7	T J N
111-76-2	Ethanol, 2-butoxy-	5.38	18	T J N
111-77-3	Ethanol, 2-(2-methoxyethoxy)-	5.58	4.9	T J N
112-36-7	Ethane, 1,1'-oxybis[2-ethoxy-]	6.05	10	T J N
1119-85-3	3-Hexenedinitrile	6.42	3.4	T J N
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	7.9	T J N
122-99-6	Ethanol, 2-phenoxy-	7.38	6.8	T J N
761-65-9	Formamide, N,N-dibutyl-	7.83	2.5	T J N
629-94-7	Heneicosane	13.74	4.8	T J N
629-94-7	Heneicosane	14.26	5.9	T J N
629-97-0	Docosane	14.80	11	T J N
629-97-0	Docosane	15.36	12	T J N
630-02-4	Octacosane	15.93	13	T J N
629-94-7	Heneicosane	16.55	10	T J N
630-06-8	Hexatriacontane	17.26	7.7	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 240-133651	Instrument ID: A2HP15
Prep Method: 3520C	Prep Batch: 240-133080	Initial Weight/Volume: 1050 mL
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 06/06/2014 2013		Injection Volume: 1 uL
Prep Date: 06/03/2014 0758		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0091	0.048
4,4'-DDE	ND		0.0092	0.048
4,4'-DDT	ND		0.015	0.048
Aldrin	ND		0.0078	0.048
alpha-BHC	ND		0.0067	0.048
alpha-Chlordane	ND		0.013	0.048
beta-BHC	ND		0.0080	0.048
delta-BHC	ND		0.0083	0.048
Dieldrin	ND		0.0071	0.048
Endosulfan I	ND		0.012	0.048
Endosulfan II	ND		0.011	0.048
Endosulfan sulfate	ND		0.010	0.048
Endrin	ND		0.010	0.048
Endrin aldehyde	ND		0.010	0.048
Endrin ketone	ND		0.0074	0.048
gamma-BHC (Lindane)	ND		0.0061	0.048
gamma-Chlordane	ND		0.011	0.048
Heptachlor	ND		0.0076	0.048
Heptachlor epoxide	ND		0.0068	0.048
Toxaphene	ND		0.30	1.9
Methoxychlor	ND		0.030	0.095
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	24	X	30 - 121	
Tetrachloro-m-xylene	59		40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 2013

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	25	X	30 - 121
Tetrachloro-m-xylene	55		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 2035			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0091	0.048
4,4'-DDE	ND		0.0092	0.048
4,4'-DDT	ND		0.015	0.048
Aldrin	ND		0.0078	0.048
alpha-BHC	ND		0.0067	0.048
alpha-Chlordane	ND		0.013	0.048
beta-BHC	0.012	J p	0.0080	0.048
delta-BHC	ND		0.0083	0.048
Dieldrin	ND		0.0071	0.048
Endosulfan I	ND		0.012	0.048
Endosulfan II	ND		0.011	0.048
Endosulfan sulfate	ND		0.010	0.048
Endrin	ND		0.010	0.048
Endrin aldehyde	ND		0.010	0.048
Endrin ketone	ND		0.0074	0.048
gamma-BHC (Lindane)	ND		0.0061	0.048
gamma-Chlordane	ND		0.011	0.048
Heptachlor	ND		0.0076	0.048
Heptachlor epoxide	ND		0.0068	0.048
Toxaphene	ND		0.30	1.9
Methoxychlor	ND		0.030	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		30 - 121
Tetrachloro-m-xylene	62		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 2035

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	40		30 - 121
Tetrachloro-m-xylene	60		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133194	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-132876	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/03/2014 1557			Injection Volume:	1 uL
Prep Date:	06/02/2014 0741			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		23 - 136
DCB Decachlorobiphenyl	28		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133194	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-132876	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/03/2014 1612			Injection Volume:	1 uL
Prep Date:	06/02/2014 0741			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		23 - 136
DCB Decachlorobiphenyl	46		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR063G0514

Lab Sample ID: 240-37873-1

Date Sampled: 05/29/2014 1300

Client Matrix: Water

Date Received: 05/30/2014 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-132948	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1032			Final Weight/Volume:	50 mL
Prep Date:	06/02/2014 1037				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	220	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	27		2.2	10
Silver	ND		2.2	10
Arsenic	30		3.2	15
Lead	11		1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133312	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-132947	Lab File ID:	060314A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/03/2014 1529			Final Weight/Volume:	50 mL
Prep Date:	06/02/2014 1625				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37873-1

Client Sample ID: PLR062G0514

Lab Sample ID: 240-37873-2

Date Sampled: 05/29/2014 1450

Client Matrix: Water

Date Received: 05/30/2014 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-132948	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1036			Final Weight/Volume:	50 mL
Prep Date:	06/02/2014 1037				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	130	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	2.6	J	2.2	10
Silver	ND		2.2	10
Arsenic	4.7	J	3.2	15
Lead	ND		1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133312	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-132947	Lab File ID:	060314A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/03/2014 1533			Final Weight/Volume:	50 mL
Prep Date:	06/02/2014 1625				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Section	Qualifier	Description
GC/MS VOA	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-133558					
LCS 240-133558/4	Lab Control Sample	T	Water	8260C	
MB 240-133558/6	Method Blank	T	Water	8260C	
240-37873-1	PLR063G0514	T	Water	8260C	
240-37873-2	PLR062G0514	T	Water	8260C	
240-37873-2MS	Matrix Spike	T	Water	8260C	
240-37873-2MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 240-133077

LCS 240-133077/16-A	Lab Control Sample	T	Water	3510C	
MB 240-133077/15-A	Method Blank	T	Water	3510C	
240-37873-1	PLR063G0514	T	Water	3510C	
240-37873-2	PLR062G0514	T	Water	3510C	

Analysis Batch:240-133670

LCS 240-133077/16-A	Lab Control Sample	T	Water	8270D	240-133077
MB 240-133077/15-A	Method Blank	T	Water	8270D	240-133077
240-37873-2	PLR062G0514	T	Water	8270D	240-133077

Analysis Batch:240-133791

240-37873-1	PLR063G0514	T	Water	8270D	240-133077
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Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-132876					
LCS 240-132876/8-A	Lab Control Sample	T	Water	3520C	
MB 240-132876/7-A	Method Blank	T	Water	3520C	
240-37873-1	PLR063G0514	T	Water	3520C	
240-37873-2	PLR062G0514	T	Water	3520C	
Prep Batch: 240-133080					
LCS 240-133080/13-A	Lab Control Sample	T	Water	3520C	
MB 240-133080/12-A	Method Blank	T	Water	3520C	
240-37873-1	PLR063G0514	T	Water	3520C	
240-37873-2	PLR062G0514	T	Water	3520C	
Analysis Batch:240-133194					
LCS 240-132876/8-A	Lab Control Sample	T	Water	8082A	240-132876
MB 240-132876/7-A	Method Blank	T	Water	8082A	240-132876
240-37873-1	PLR063G0514	T	Water	8082A	240-132876
240-37873-2	PLR062G0514	T	Water	8082A	240-132876
Analysis Batch:240-133651					
PB 240-133651/6	Preparation / Extraction Blank	T	Water	8081B	
LCS 240-133080/13-A	Lab Control Sample	T	Water	8081B	240-133080
MB 240-133080/12-A	Method Blank	T	Water	8081B	240-133080
240-37873-1	PLR063G0514	T	Water	8081B	240-133080
240-37873-2	PLR062G0514	T	Water	8081B	240-133080

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-132947					
LCS 240-132947/2-A	Lab Control Sample	T	Water	7470A	
MB 240-132947/1-A	Method Blank	T	Water	7470A	
240-37873-1	PLR063G0514	T	Water	7470A	
240-37873-2	PLR062G0514	T	Water	7470A	
Prep Batch: 240-132948					
LCS 240-132948/2-A	Lab Control Sample	R	Water	3005A	
MB 240-132948/1-A	Method Blank	R	Water	3005A	
240-37873-1	PLR063G0514	R	Water	3005A	
240-37873-2	PLR062G0514	R	Water	3005A	
Analysis Batch:240-133312					
LCS 240-132947/2-A	Lab Control Sample	T	Water	7470A	240-132947
MB 240-132947/1-A	Method Blank	T	Water	7470A	240-132947
240-37873-1	PLR063G0514	T	Water	7470A	240-132947
240-37873-2	PLR062G0514	T	Water	7470A	240-132947
Analysis Batch:240-133505					
LCS 240-132948/2-A	Lab Control Sample	R	Water	6010C	240-132948
MB 240-132948/1-A	Method Blank	R	Water	6010C	240-132948
240-37873-1	PLR063G0514	R	Water	6010C	240-132948
240-37873-2	PLR062G0514	R	Water	6010C	240-132948

Report Basis

R = Total Recoverable

T = Total

Client: EnSafe, Inc.

Job Number: 240-37873-1

Surrogate Recovery Report**8260C Volatile Organic Compounds by GC/MS****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-37873-1	PLR063G0514	84	93	80	91
240-37873-2	PLR062G0514	87	93	81	94
MB 240-133558/6		82	90	81	90
LCS 240-133558/4		93	91	95	86
240-37873-2 MS	PLR062G0514 MS	91	86	93	86
240-37873-2 MSD	PLR062G0514 MSD	89	89	89	88

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	74-120
DBFM = Dibromofluoromethane (Surr)	75-121
BFB = 4-Bromofluorobenzene (Surr)	66-120
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129

Client: EnSafe, Inc.

Job Number: 240-37873-1

Surrogate Recovery Report**8270D Semivolatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TBP %Rec	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TPH %Rec
240-37873-1	PLR063G0514	47	39	44	43	49	60
240-37873-2	PLR062G0514	76	63	67	63	54	75
MB 240-133077/15-A		53	71	72	70	65	87
LCS 240-133077/16-A		68	63	67	65	54	77

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	21-128
2FP = 2-Fluorophenol (Surr)	15-110
PHL = Phenol-d5 (Surr)	10-110
NBZ = Nitrobenzene-d5 (Surr)	31-110
FBP = 2-Fluorobiphenyl (Surr)	29-110
TPH = Terphenyl-d14 (Surr)	31-115

Client: EnSafe, Inc.

Job Number: 240-37873-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-37873-1	PLR063G0514	24X	25X	59	55
240-37873-2	PLR062G0514	37	40	62	60
MB 240-133080/12-A		89	88	76	71
LCS 240-133080/13-A		30	33	71	71

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-121
TCX = Tetrachloro-m-xylene	40-120

Client: EnSafe, Inc.

Job Number: 240-37873-1

Surrogate Recovery Report**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TCX1	DCB1
		%Rec	%Rec
240-37873-1	PLR063G0514	69	28
240-37873-2	PLR062G0514	79	46
MB 240-132876/7-A		85	74
LCS 240-132876/8-A		81	84

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	23-136
DCB = DCB Decachlorobiphenyl	10-130

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-133558

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-133558/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1254
Prep Date: 06/05/2014 1254
Leach Date: N/A

Analysis Batch: 240-133558
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX17
Lab File ID: UXR3865.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-133558

Method: 8260C

Preparation: 5030C

Lab Sample ID:	MB 240-133558/6	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1254	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1254				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	82	74 - 120
Dibromofluoromethane (Surr)	90	75 - 121
4-Bromofluorobenzene (Surr)	81	66 - 120
1,2-Dichloroethane-d4 (Surr)	90	63 - 129

Method Blank TICs- Batch: 240-133558

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
91-57-6	2-Methylnaphthalene	14.38	1.07	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Control Sample - Batch: 240-133558

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-133558/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1208
Prep Date: 06/05/2014 1208
Leach Date: N/A

Analysis Batch: 240-133558
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX17
Lab File ID: UXR3863.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.64	96	74 - 120	
1,1,2,2-Tetrachloroethane	10.0	9.38	94	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.96	90	74 - 151	
1,1,2-Trichloroethane	10.0	10.4	104	80 - 120	
1,1-Dichloroethane	10.0	9.82	98	80 - 120	
1,1-Dichloroethene	10.0	9.24	92	78 - 131	
1,2,4-Trichlorobenzene	10.0	8.67	87	48 - 135	
1,2-Dibromo-3-Chloropropane	10.0	9.90	99	42 - 136	
Ethylene Dibromide	10.0	10.1	101	79 - 120	
1,2-Dichlorobenzene	10.0	9.33	93	80 - 120	
1,2-Dichloroethane	10.0	9.57	96	71 - 127	
1,2-Dichloropropane	10.0	9.74	97	80 - 120	
1,3-Dichlorobenzene	10.0	9.27	93	80 - 120	
1,4-Dichlorobenzene	10.0	9.43	94	80 - 120	
2-Butanone (MEK)	20.0	18.0	90	60 - 126	
2-Hexanone	20.0	19.0	95	55 - 133	
4-Methyl-2-pentanone (MIBK)	20.0	19.6	98	63 - 128	
Acetone	20.0	17.9	89	43 - 136	
Benzene	10.0	9.47	95	80 - 120	
Dichlorobromomethane	10.0	9.86	99	72 - 121	
Bromoform	10.0	9.83	98	40 - 131	
Bromomethane	10.0	9.56	96	11 - 185	
Carbon disulfide	10.0	9.77	98	62 - 142	
Carbon tetrachloride	10.0	9.93	99	66 - 128	
Chlorobenzene	10.0	9.70	97	80 - 120	
Chloroethane	10.0	10.4	104	25 - 153	
Chloroform	10.0	9.68	97	79 - 120	
Chloromethane	10.0	8.42	84	44 - 126	
cis-1,2-Dichloroethene	10.0	9.83	98	80 - 120	
cis-1,3-Dichloropropene	10.0	10.2	102	61 - 120	
Cyclohexane	10.0	9.69	97	54 - 121	
Chlorodibromomethane	10.0	10.2	102	64 - 120	
Dichlorodifluoromethane	10.0	6.87	69	19 - 129	
Ethylbenzene	10.0	9.95	100	80 - 120	
Isopropylbenzene	10.0	10.2	102	75 - 120	
Methyl acetate	50.0	45.5	91	58 - 131	
Methyl tert-butyl ether	10.0	9.39	94	52 - 144	
Methylcyclohexane	10.0	9.33	93	56 - 127	
Methylene Chloride	10.0	10.2	102	66 - 131	
Styrene	10.0	10.5	105	79 - 120	
Tetrachloroethene	10.0	9.63	96	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Control Sample - Batch: 240-133558

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-133558/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/05/2014 1208
 Prep Date: 06/05/2014 1208
 Leach Date: N/A

Analysis Batch: 240-133558
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX17
 Lab File ID: UXR3863.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	10.0	9.95	99	80 - 120	
trans-1,2-Dichloroethene	10.0	9.67	97	80 - 120	
trans-1,3-Dichloropropene	10.0	11.0	110	58 - 120	
Trichloroethene	10.0	9.79	98	76 - 120	
Trichlorofluoromethane	10.0	8.88	89	49 - 157	
Vinyl chloride	10.0	8.29	83	53 - 127	
Xylenes, Total	20.0	20.3	102	80 - 120	
m-Xylene & p-Xylene	10.0	10.2	102	80 - 120	
o-Xylene	10.0	10.1	101	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	93		74 - 120		
Dibromofluoromethane (Surr)	91		75 - 121		
4-Bromofluorobenzene (Surr)	95		66 - 120		
1,2-Dichloroethane-d4 (Surr)	86		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-133558

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-37873-2	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3881.D
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1902			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1902				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-37873-2	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3882.D
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1925			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1925				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	96	95	68 - 121	1	30		
1,1,2,2-Tetrachloroethane	97	95	63 - 122	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	90	70 - 152	4	30		
1,1,2-Trichloroethane	108	102	75 - 120	5	30		
1,1-Dichloroethane	99	98	79 - 120	1	30		
1,1-Dichloroethene	92	91	74 - 135	1	30		
1,2,4-Trichlorobenzene	84	88	38 - 138	5	30		
1,2-Dibromo-3-Chloropropane	95	93	32 - 139	2	30		
Ethylene Dibromide	103	97	74 - 120	6	30		
1,2-Dichlorobenzene	96	93	75 - 120	3	30		
1,2-Dichloroethane	97	94	68 - 129	4	30		
1,2-Dichloropropane	98	98	78 - 120	0	30		
1,3-Dichlorobenzene	95	92	73 - 120	3	30		
1,4-Dichlorobenzene	96	92	75 - 120	3	30		
2-Butanone (MEK)	91	89	54 - 129	2	30		
2-Hexanone	93	89	47 - 139	4	30		
4-Methyl-2-pentanone (MIBK)	96	97	56 - 131	2	30		
Acetone	85	79	33 - 145	7	30		
Benzene	96	95	72 - 121	1	30		
Dichlorobromomethane	99	98	67 - 120	1	30		
Bromoform	95	91	32 - 128	4	30		
Bromomethane	88	95	10 - 186	8	30		
Carbon disulfide	99	99	57 - 147	0	30		
Carbon tetrachloride	98	97	59 - 129	1	30		
Chlorobenzene	99	96	80 - 120	3	30		
Chloroethane	89	97	21 - 165	8	30		
Chloroform	99	96	76 - 120	3	30		
Chloromethane	80	81	33 - 132	2	30		
cis-1,2-Dichloroethene	92	89	70 - 120	1	30	E	E
cis-1,3-Dichloropropene	97	99	51 - 120	2	30		
Cyclohexane	98	96	49 - 123	1	30		
Chlorodibromomethane	102	97	56 - 120	5	30		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-133558**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID:	240-37873-2	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3881.D
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1902			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1902				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-37873-2	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3881.D
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1925			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1925				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	72	70	17 - 128	3	30		
Ethylbenzene	104	98	75 - 120	6	30		
Isopropylbenzene	102	99	68 - 120	3	30		
Methyl acetate	91	89	47 - 130	1	30		
Methyl tert-butyl ether	93	92	46 - 144	2	30		
Methylcyclohexane	96	96	49 - 127	1	30		
Methylene Chloride	106	103	63 - 128	3	30		
Styrene	109	104	71 - 120	5	30		
Tetrachloroethene	97	96	70 - 120	1	30		
Toluene	101	97	78 - 120	5	30		
trans-1,2-Dichloroethene	98	97	80 - 120	1	30		
trans-1,3-Dichloropropene	107	100	46 - 120	7	30		
Trichloroethene	99	96	66 - 120	3	30		
Trichlorofluoromethane	88	89	46 - 157	2	30		
Vinyl chloride	86	85	49 - 130	1	30		
Xylenes, Total	103	100	76 - 120	2	30		
m-Xylene & p-Xylene	102	99	75 - 120	3	30		
o-Xylene	103	101	76 - 120	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	89	74 - 120
Dibromofluoromethane (Surr)	86	89	75 - 121
4-Bromofluorobenzene (Surr)	93	89	66 - 120
1,2-Dichloroethane-d4 (Surr)	86	88	63 - 129

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-133077

Method: 8270D Preparation: 3510C

Lab Sample ID: MB 240-133077/15-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1823
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606021.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.020	0.20
Acetophenone	ND		0.14	1.0
Anthracene	ND		0.031	0.20
Atrazine	ND		0.12	1.0
Benzaldehyde	ND		0.30	1.0
Benzo[a]anthracene	ND		0.059	0.20
Benzo[a]pyrene	ND		0.030	0.20
Benzo[b]fluoranthene	ND		0.059	0.20
Benzo[g,h,i]perylene	ND		0.050	0.20
Benzo[k]fluoranthene	ND		0.048	0.20
1,1'-Biphenyl	ND		0.12	1.0
Bis(2-chloroethoxy)methane	ND		0.037	1.0
Bis(2-chloroethyl)ether	ND		0.19	1.0
2,2'-oxybis[1-chloropropane]	ND		0.18	1.0
Bis(2-ethylhexyl) phthalate	1.93	J	1.5	2.0
4-Bromophenyl phenyl ether	ND		0.35	2.0
Butyl benzyl phthalate	ND		0.22	1.0
Caprolactam	ND		0.37	5.0
Carbazole	ND		0.11	1.0
4-Chloroaniline	ND		0.15	2.0
4-Chloro-3-methylphenol	ND		0.28	2.0
2-Chloronaphthalene	ND		0.12	1.0
2-Chlorophenol	ND		0.13	1.0
4-Chlorophenyl phenyl ether	ND		0.29	2.0
Chrysene	ND		0.035	0.20
Dibenz(a,h)anthracene	ND		0.040	0.20
Dibenzofuran	ND		0.14	1.0
3,3'-Dichlorobenzidine	ND		0.35	5.0
2,4-Dichlorophenol	ND		0.29	2.0
Diethyl phthalate	ND		0.13	1.0
2,4-Dimethylphenol	ND		0.31	2.0
Dimethyl phthalate	ND		0.10	1.0
Di-n-butyl phthalate	1.94		0.40	1.0
4,6-Dinitro-2-methylphenol	ND		0.53	5.0
2,4-Dinitrophenol	ND		6.1	40
2,4-Dinitrotoluene	ND		0.26	5.0
2,6-Dinitrotoluene	ND		0.24	5.0
Di-n-octyl phthalate	ND		0.37	1.0
Fluoranthene	ND		0.027	0.20
Fluorene	ND		0.034	0.20
Hexachlorobenzene	ND		0.12	1.0
Hexachlorobutadiene	ND		0.14	1.0
Hexachlorocyclopentadiene	ND		2.5	10
Hexachloroethane	ND		0.22	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-133077

Method: 8270D Preparation: 3510C

Lab Sample ID: MB 240-133077/15-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1823
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606021.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Indeno[1,2,3-cd]pyrene	ND		0.048	0.20
Isophorone	ND		0.042	1.0
2-Methylnaphthalene	ND		0.037	0.20
2-Methylphenol	ND		0.19	1.0
3 & 4 Methylphenol	ND		0.34	2.0
Naphthalene	ND		0.043	0.20
2-Nitroaniline	ND		0.31	2.0
3-Nitroaniline	ND		0.27	2.0
4-Nitroaniline	ND		0.24	2.0
Nitrobenzene	ND		0.12	1.0
2-Nitrophenol	ND		0.21	2.0
4-Nitrophenol	ND		0.59	5.0
N-Nitrosodi-n-propylamine	ND		0.16	1.0
N-Nitrosodiphenylamine	ND		0.11	1.0
Pentachlorophenol	ND		5.5	40
Phenanthrene	ND		0.031	0.20
Phenol	ND		0.15	1.0
Pyrene	ND		0.028	0.20
2,4,5-Trichlorophenol	ND		0.37	5.0
2,4,6-Trichlorophenol	ND		0.26	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	53	21 - 128
2-Fluorophenol (Surr)	71	15 - 110
Phenol-d5 (Surr)	72	10 - 110
Nitrobenzene-d5 (Surr)	70	31 - 110
2-Fluorobiphenyl (Surr)	65	29 - 110
Terphenyl-d14 (Surr)	87	31 - 115

Method Blank TICs- Batch: 240-133077

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Control Sample - Batch: 240-133077

Method: 8270D

Preparation: 3510C

Lab Sample ID: LCS 240-133077/16-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1846
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606022.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	23.9	60	40 - 160	
Acenaphthylene	40.0	23.3	58	40 - 160	
Acetophenone	40.0	26.5	66	40 - 160	
Anthracene	40.0	24.9	62	40 - 160	
Atrazine	80.0	53.5	67	40 - 160	
Benzaldehyde	80.0	85.8	107	20 - 120	
Benzo[a]anthracene	40.0	25.4	64	40 - 160	
Benzo[a]pyrene	40.0	26.0	65	40 - 160	
Benzo[b]fluoranthene	40.0	27.0	68	40 - 160	
Benzo[g,h,i]perylene	40.0	26.2	65	40 - 160	
Benzo[k]fluoranthene	40.0	27.7	69	40 - 160	
1,1'-Biphenyl	40.0	23.0	57	40 - 160	
Bis(2-chloroethoxy)methane	40.0	27.0	67	40 - 160	
Bis(2-chloroethyl)ether	40.0	25.8	65	40 - 160	
2,2'-oxybis[1-chloropropane]	40.0	25.5	64	40 - 160	
Bis(2-ethylhexyl) phthalate	40.0	25.7	64	40 - 160	
4-Bromophenyl phenyl ether	40.0	25.0	63	40 - 160	
Butyl benzyl phthalate	40.0	27.2	68	40 - 160	
Caprolactam	80.0	58.9	74	10 - 120	
Carbazole	40.0	26.3	66	40 - 160	
4-Chloroaniline	40.0	33.4	84	10 - 120	
4-Chloro-3-methylphenol	40.0	28.1	70	40 - 160	
2-Chloronaphthalene	40.0	22.7	57	40 - 160	
2-Chlorophenol	40.0	25.2	63	40 - 160	
4-Chlorophenyl phenyl ether	40.0	24.0	60	40 - 160	
Chrysene	40.0	25.9	65	40 - 160	
Dibenz(a,h)anthracene	40.0	27.8	70	40 - 160	
Dibenzofuran	40.0	23.8	59	40 - 160	
3,3'-Dichlorobenzidine	80.0	50.0	63	10 - 120	
2,4-Dichlorophenol	40.0	27.3	68	40 - 160	
Diethyl phthalate	40.0	26.5	66	40 - 160	
2,4-Dimethylphenol	40.0	21.5	54	10 - 120	
Dimethyl phthalate	40.0	26.1	65	40 - 160	
Di-n-butyl phthalate	40.0	28.9	72	40 - 160	
4,6-Dinitro-2-methylphenol	80.0	45.2	57	40 - 160	
2,4-Dinitrophenol	80.0	24.6	31	20 - 120	J
2,4-Dinitrotoluene	40.0	27.8	70	40 - 160	
2,6-Dinitrotoluene	40.0	27.0	68	40 - 160	
Di-n-octyl phthalate	40.0	26.3	66	40 - 160	
Fluoranthene	40.0	25.8	64	40 - 160	
Fluorene	40.0	23.7	59	40 - 160	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Control Sample - Batch: 240-133077

Method: 8270D

Preparation: 3510C

Lab Sample ID: LCS 240-133077/16-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1846
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606022.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobenzene	40.0	24.8	62	40 - 160	J *
Hexachlorobutadiene	40.0	17.6	44	40 - 160	
Hexachlorocyclopentadiene	40.0	4.21	11	40 - 160	
Hexachloroethane	40.0	16.7	42	40 - 160	
Indeno[1,2,3-cd]pyrene	40.0	26.9	67	40 - 160	
Isophorone	40.0	28.4	71	40 - 160	
2-Methylnaphthalene	40.0	22.3	56	40 - 160	
2-Methylphenol	40.0	25.3	63	20 - 120	
3 & 4 Methylphenol	40.0	25.9	65	40 - 160	
Naphthalene	40.0	23.0	57	40 - 160	
2-Nitroaniline	40.0	26.0	65	40 - 160	
3-Nitroaniline	40.0	25.7	64	40 - 160	
4-Nitroaniline	40.0	24.8	62	40 - 160	
Nitrobenzene	40.0	26.5	66	40 - 160	
2-Nitrophenol	40.0	27.0	67	40 - 160	
4-Nitrophenol	80.0	49.4	62	10 - 120	
N-Nitrosodi-n-propylamine	40.0	27.1	68	40 - 160	
N-Nitrosodiphenylamine	80.0	51.9	65	40 - 160	
Pentachlorophenol	80.0	49.8	62	10 - 120	
Phenanthrene	40.0	25.1	63	40 - 160	
Phenol	40.0	29.2	73	10 - 120	
Pyrene	40.0	26.0	65	40 - 160	
2,4,5-Trichlorophenol	40.0	25.7	64	20 - 120	
2,4,6-Trichlorophenol	40.0	26.0	65	40 - 160	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	68	21 - 128
2-Fluorophenol (Surr)	63	15 - 110
Phenol-d5 (Surr)	67	10 - 110
Nitrobenzene-d5 (Surr)	65	31 - 110
2-Fluorobiphenyl (Surr)	54	29 - 110
Terphenyl-d14 (Surr)	77	31 - 115

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-133080

Method: 8081B

Preparation: 3520C

Lab Sample ID: MB 240-133080/12-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/06/2014 2204
 Prep Date: 06/03/2014 0758
 Leach Date: N/A

Analysis Batch: 240-133651
 Prep Batch: 240-133080
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A2HP15
 Lab File ID: F0060632.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.0096	0.050
4,4'-DDE	ND		0.0097	0.050
4,4'-DDT	ND		0.016	0.050
Aldrin	ND		0.0082	0.050
alpha-BHC	ND		0.0070	0.050
alpha-Chlordane	ND		0.014	0.050
beta-BHC	ND		0.0084	0.050
delta-BHC	ND		0.0087	0.050
Dieldrin	ND		0.0075	0.050
Endosulfan I	ND		0.013	0.050
Endosulfan II	ND		0.012	0.050
Endosulfan sulfate	ND		0.011	0.050
Endrin	ND		0.011	0.050
Endrin aldehyde	ND		0.011	0.050
Endrin ketone	ND		0.0078	0.050
gamma-BHC (Lindane)	ND		0.0064	0.050
gamma-Chlordane	ND		0.012	0.050
Heptachlor	ND		0.0080	0.050
Heptachlor epoxide	ND		0.0071	0.050
Toxaphene	ND		0.32	2.0
Methoxychlor	ND		0.032	0.10

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	30 - 121
Tetrachloro-m-xylene	76	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	30 - 121
Tetrachloro-m-xylene	71	40 - 120

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Lab Control Sample - Batch: 240-133080

Method: 8081B

Preparation: 3520C

Lab Sample ID: LCS 240-133080/13-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/06/2014 2226
 Prep Date: 06/03/2014 0758
 Leach Date: N/A

Analysis Batch: 240-133651
 Prep Batch: 240-133080
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A2HP15
 Lab File ID: F0060633.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.524	105	61 - 160	
4,4'-DDE	0.500	0.472	94	50 - 160	
4,4'-DDT	0.500	0.511	102	43 - 158	
Aldrin	0.500	0.415	83	40 - 155	
alpha-BHC	0.500	0.448	90	52 - 160	
alpha-Chlordane	0.500	0.440	88	44 - 160	
beta-BHC	0.500	0.429	86	60 - 160	
delta-BHC	0.500	0.466	93	55 - 167	
Dieldrin	0.500	0.467	93	62 - 160	
Endosulfan I	0.500	0.351	70	58 - 154	
Endosulfan II	0.500	0.403	81	56 - 145	
Endosulfan sulfate	0.500	0.474	95	64 - 151	
Endrin	0.500	0.529	106	59 - 156	
Endrin aldehyde	0.500	0.448	90	58 - 136	
Endrin ketone	0.500	0.463	93	51 - 138	
gamma-BHC (Lindane)	0.500	0.453	91	65 - 158	
gamma-Chlordane	0.500	0.447	89	58 - 160	
Heptachlor	0.500	0.455	91	40 - 143	
Heptachlor epoxide	0.500	0.442	88	61 - 160	
Methoxychlor	0.500	0.517	103	44 - 144	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	30	30 - 121
Tetrachloro-m-xylene	71	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	33	30 - 121
Tetrachloro-m-xylene	71	40 - 120

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Preparation / Extraction Blank - Batch: 240-133651

Method: 8081B

Preparation: N/A

Lab Sample ID:	PB 240-133651/6	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F0060606.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/06/2014 1226	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		1.9	10
4,4'-DDE	ND		1.9	10
4,4'-DDT	ND		3.2	10
Aldrin	ND		1.6	10
alpha-BHC	ND		1.4	10
alpha-Chlordane	ND		2.8	10
beta-BHC	ND		1.7	10
delta-BHC	ND		1.7	10
Dieldrin	ND		1.5	10
Endosulfan I	ND		2.6	10
Endosulfan II	ND		2.4	10
Endosulfan sulfate	ND		2.2	10
Endrin	ND		2.2	10
Endrin aldehyde	ND		2.2	10
Endrin ketone	ND		1.6	10
gamma-BHC (Lindane)	ND		1.3	10
gamma-Chlordane	ND		2.4	10
Heptachlor	ND		1.6	10
Heptachlor epoxide	ND		1.4	10
Toxaphene	ND		64	400
Methoxychlor	ND		6.4	20

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl		
Tetrachloro-m-xylene		

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl		
Tetrachloro-m-xylene		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-132876

Method: 8082A Preparation: 3520C

Lab Sample ID: MB 240-132876/7-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/03/2014 1627
Prep Date: 06/02/2014 0741
Leach Date: N/A

Analysis Batch: 240-133194
Prep Batch: 240-132876
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP10
Lab File ID: P1000010.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.17	0.50
Aroclor-1221	ND		0.13	0.50
Aroclor-1232	ND		0.16	0.50
Aroclor-1242	ND		0.22	0.50
Aroclor-1248	ND		0.10	0.50
Aroclor-1254	ND		0.16	0.50
Aroclor-1260	ND		0.17	0.50
Aroclor-1262	ND		0.15	0.50
Aroclor-1268	ND		0.24	0.50
Polychlorinated biphenyls, Total	ND		0.10	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	23 - 136
DCB Decachlorobiphenyl	74	10 - 130

Lab Control Sample - Batch: 240-132876

Method: 8082A Preparation: 3520C

Lab Sample ID: LCS 240-132876/8-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/03/2014 1642
Prep Date: 06/02/2014 0741
Leach Date: N/A

Analysis Batch: 240-133194
Prep Batch: 240-132876
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP10
Lab File ID: P1000011.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	5.15	103	66 - 120	
Aroclor-1260	5.00	4.55	91	55 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	81	23 - 136
DCB Decachlorobiphenyl	84	10 - 130

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-132948

Lab Sample ID: MB 240-132948/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1024
Prep Date: 06/02/2014 1037
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-132948
Leach Batch: N/A
Units: ug/L

Method: 6010C Preparation: 3005A Total Recoverable

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	0.774	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	15
Lead	ND		1.9	10
Selenium	ND		4.1	20

Lab Control Sample - Batch: 240-132948

Lab Sample ID: LCS 240-132948/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1028
Prep Date: 06/02/2014 1037
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-132948
Leach Batch: N/A
Units: ug/L

Method: 6010C Preparation: 3005A Total Recoverable

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1920	96	80 - 120	
Cadmium	50.0	51.6	103	80 - 120	
Chromium	200	196	98	80 - 120	
Silver	50.0	51.8	104	80 - 120	
Arsenic	2000	2010	101	80 - 120	
Lead	500	483	97	80 - 120	
Selenium	2000	2110	106	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37873-1

Method Blank - Batch: 240-132947

Method: 7470A Preparation: 7470A

Lab Sample ID: MB 240-132947/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/03/2014 1455
Prep Date: 06/02/2014 1625
Leach Date: N/A

Analysis Batch: 240-133312
Prep Batch: 240-132947
Leach Batch: N/A
Units: ug/L

Instrument ID: H1
Lab File ID: 060314A-HG1.PRN
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-132947

Method: 7470A Preparation: 7470A

Lab Sample ID: LCS 240-132947/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/03/2014 1458
Prep Date: 06/02/2014 1625
Leach Date: N/A

Analysis Batch: 240-133312
Prep Batch: 240-132947
Leach Batch: N/A
Units: ug/L

Instrument ID: H1
Lab File ID: 060314A-HG1.PRN
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.92	98	81 - 123	

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37873 Chain of Custody

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 37873

Canton Facility

Client Ensafe Site Name _____

Cooler unpacked by: _____

Cooler Received on 5-30-14 Opened on 5-30-14FedEx: 1st Grd ☒ UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____TestAmerica Cooler # _____ Foam Box ☒ Client Cooler Box Other _____Packing material used: Bubble Wrap Foam Plastic Bag None Other _____COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +0 °C) Observed Cooler Temp. 2-4 °C Corrected Cooler Temp. 24 °C

IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

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

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

☐ See Multiple
Cooler Form2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? Yes ☒ No3. Shippers' packing slip attached to the cooler(s)? ☒ Yes No4. Did custody papers accompany the sample(s)? ☒ Yes No5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes No6. Did all bottles arrive in good condition (Unbroken)? ☒ Yes No7. Could all bottle labels be reconciled with the COC? ☒ Yes No8. Were correct bottle(s) used for the test(s) indicated? ☒ Yes No9. Sufficient quantity received to perform indicated analyses? ☒ Yes No10. Were sample(s) at the correct pH upon receipt? ☒ Yes No NA pH Strip Lot# HC30258711. Were VOAs on the COC? ☒ Yes No12. Were air bubbles >6 mm in any VOA vials? Yes ☒ No NA13. Was a trip blank present in the cooler(s)? Yes ☒ No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
PLR063G0514	240-37873-D-1	Plastic 250ml - with Nitric Acid	<2	_____	_____
PLR062G0514	240-37873-D-2	Plastic 250ml - with Nitric Acid	<2	_____	_____

ANALYTICAL REPORT

Job Number: 240-37948-1

Job Description: MH3 Oil Source Investigation

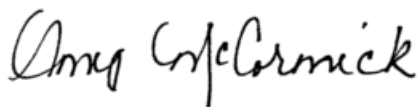
For:

EnSafe, Inc.

220 Athens Way, Plaza 1, Suite 410

Nashville, TN 37228

Attention: Ms. May Heflin



Approved for release.
Amy L. McCormick
Project Manager II
6/14/2014 3:14 PM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
06/14/2014

cc: Shane Goodnight
Final Data Tracking

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.

TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720

Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: EnSafe, Inc.

Project: MH3 Oil Source Investigation

Report Number: 240-37948-1

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

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

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

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

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

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

RECEIPT

The samples were received on 5/31/2014 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the three coolers at receipt time were 2.4° C, 2.8° C and 3.6° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR061G0514 (240-37948-1), PLR060G0514 (240-37948-2), PLR059G0514 (240-37948-3), PLR058G0514 (240-37948-4), PLR057G0514 (240-37948-5), CARMW51G0514 (240-37948-6), CARMW52G0514 (240-37948-7) and TRIP BLANK (240-37948-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/05/2014, 06/11/2014 and 06/12/2014.

Samples PLR061G0514 (240-37948-1)[2500X], CARMW51G0514 (240-37948-6)[2.5X] and CARMW52G0514 (240-37948-7)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Sample PLR058G0514 (240-37948-4)[10X] was diluted due to foaming at the time of purging during the original analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-134234/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-134356/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) for batch 134234 recovered outside control limits for trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for batch 134356 recovered outside control limits for trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 134234 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required.

The continuing calibration verification (CCV) for analytical batch 134356 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR061G0514 (240-37948-1), PLR060G0514 (240-37948-2), PLR059G0514 (240-37948-3), PLR058G0514 (240-37948-4), PLR057G0514 (240-37948-5), CARMW51G0514 (240-37948-6) and CARMW52G0514 (240-37948-7) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 06/03/2014 and 06/04/2014 and analyzed on 06/06/2014 and 06/09/2014.

Sample PLR058G0514 (240-37948-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Di-n-butyl phthalate was detected in method blank MB 240-133077/15-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-133077/15-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-133294/6-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) for batch 133077 recovered outside control limits for Hexachlorocyclopentadiene. Hexachlorocyclopentadiene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Results have been flagged accordingly.

The laboratory control sample (LCS) for batch 133294 recovered outside control limits for Hexachlorocyclopentadiene. Hexachlorocyclopentadiene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The results have been flagged accordingly.

The continuing calibration verification (CCV) recovered above the upper control limit for 4-Chloroaniline. Samples PLR057G0514 (240-37948-5), PLR058G0514 (240-37948-4), PLR059G0514 (240-37948-3), PLR060G0514 (240-37948-2), PLR061G0514 (240-37948-1) associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The CCV associated with these samples recovered low for 3-Nitroaniline. Since the samples were ND for the affected analyte - no corrective action was taken. Additionally, An LODV was analyzed at the RL to support the ND's.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples PLR061G0514 (240-37948-1), PLR060G0514 (240-37948-2), PLR059G0514 (240-37948-3), PLR058G0514 (240-37948-4), PLR057G0514 (240-37948-5), CARMW51G0514 (240-37948-6) and CARMW52G0514 (240-37948-7) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 06/03/2014 and analyzed on 06/06/2014.

Samples PLR061G0514 (240-37948-1)[5X], PLR060G0514 (240-37948-2)[5X], PLR059G0514 (240-37948-3)[20X], PLR058G0514 (240-37948-4)[2X] and CARMW51G0514 (240-37948-6)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for PLR061G0514 (240-37948-1).

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for PLR058G0514 (240-37948-4).

Decachlorobiphenyl failed the surrogate recovery criteria low for PLR057G0514 (240-37948-5). Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. This sample contained an allowable number of surrogate compounds outside limits. These results have been reported and qualified.

Decachlorobiphenyl failed the surrogate recovery criteria low for CARMW52G0514 (240-37948-7). Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. This sample contained an allowable number of surrogate compounds outside limits. These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 133651 recovered above the upper control limit for Endrin and Methoxychlor. Samples (LCS 240-133080/13-A) and (MB 240-133080/12-A) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples PLR061G0514 (240-37948-1), PLR060G0514 (240-37948-2), PLR059G0514 (240-37948-3), PLR058G0514 (240-37948-4), PLR057G0514 (240-37948-5), CARMW51G0514 (240-37948-6) and CARMW52G0514 (240-37948-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/03/2014 and analyzed on 06/05/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples PLR061G0514 (240-37948-1), PLR060G0514 (240-37948-2), PLR059G0514 (240-37948-3), PLR058G0514 (240-37948-4), PLR057G0514 (240-37948-5), CARMW51G0514 (240-37948-6) and CARMW52G0514 (240-37948-7) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 06/03/2014 and analyzed on 06/05/2014.

Barium was detected in method blank MB 240-133131/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples PLR061G0514 (240-37948-1), PLR060G0514 (240-37948-2), PLR059G0514 (240-37948-3), PLR058G0514 (240-37948-4), PLR057G0514 (240-37948-5), CARMW51G0514 (240-37948-6) and CARMW52G0514 (240-37948-7) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 06/03/2014 and analyzed on 06/05/2014.

The opening and closing PRDL standard associated with batch 240-133591 recovered Mercury below 80% at 70% and 61% respectively. Samples CARMW51G0514 (240-37948-6), CARMW52G0514 (240-37948-7), PLR057G0514 (240-37948-5), PLR058G0514 (240-37948-4), PLR059G0514 (240-37948-3), PLR060G0514 (240-37948-2), PLR061G0514 (240-37948-1) were were affected.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37948-1 PLR061G0514						
cis-1,2-Dichloroethene		13000		2500	ug/L	8260C
Methylene Chloride		1400	J B	2500	ug/L	8260C
Trichloroethene		56000		2500	ug/L	8260C
Acenaphthene		0.16	J	0.18	ug/L	8270D
Acetophenone		0.59	J	0.89	ug/L	8270D
Bis(2-ethylhexyl) phthalate		5.1	B	1.8	ug/L	8270D
Caprolactam		5.9		4.5	ug/L	8270D
Diethyl phthalate		0.78	J	0.89	ug/L	8270D
Di-n-butyl phthalate		2.7	B	0.89	ug/L	8270D
2-Methylnaphthalene		0.23		0.18	ug/L	8270D
Phenol		2.2		0.89	ug/L	8270D
Total Recoverable						
Barium		130	J B	200	ug/L	6010C
Chromium		6.2	J	10	ug/L	6010C
Arsenic		6.7	J	15	ug/L	6010C
Lead		2.3	J	10	ug/L	6010C
240-37948-2 PLR060G0514						
2-Butanone (MEK)		2.8	J	10	ug/L	8260C
4-Methyl-2-pentanone (MIBK)		0.75	J	10	ug/L	8260C
Acetone		16		10	ug/L	8260C
Benzene		0.31	J	1.0	ug/L	8260C
Dichlorobromomethane		0.44	J	1.0	ug/L	8260C
Carbon disulfide		0.22	J	1.0	ug/L	8260C
Chloroform		3.1		1.0	ug/L	8260C
cis-1,2-Dichloroethene		1.7		1.0	ug/L	8260C
Toluene		0.30	J	1.0	ug/L	8260C
Trichloroethene		17		1.0	ug/L	8260C
Acenaphthene		0.71		0.18	ug/L	8270D
Acetophenone		0.45	J	0.89	ug/L	8270D
Bis(2-ethylhexyl) phthalate		1.7	J B	1.8	ug/L	8270D
Caprolactam		2.6	J	4.5	ug/L	8270D
Carbazole		0.98		0.89	ug/L	8270D
Dibenzofuran		0.32	J	0.89	ug/L	8270D
Di-n-butyl phthalate		1.1	B	0.89	ug/L	8270D
Fluoranthene		0.21		0.18	ug/L	8270D
Fluorene		0.22		0.18	ug/L	8270D
2-Methylnaphthalene		1.7		0.18	ug/L	8270D
Naphthalene		0.76		0.18	ug/L	8270D
Phenanthrene		0.72		0.18	ug/L	8270D
Phenol		0.47	J	0.89	ug/L	8270D
Total Recoverable						
Barium		37	J B	200	ug/L	6010C
Chromium		8.3	J	10	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Arsenic		7.8	J	15	ug/L	6010C
Selenium		16	J	20	ug/L	6010C
240-37948-3	PLR059G0514					
2-Butanone (MEK)		1.7	J	10	ug/L	8260C
Acetone		6.0	J	10	ug/L	8260C
Benzene		0.23	J	1.0	ug/L	8260C
Carbon disulfide		0.52	J	1.0	ug/L	8260C
Toluene		0.33	J	1.0	ug/L	8260C
Trichloroethene		3.5		1.0	ug/L	8260C
Xylenes, Total		0.26	J	2.0	ug/L	8260C
Acenaphthene		0.38		0.18	ug/L	8270D
Acetophenone		0.90		0.89	ug/L	8270D
Bis(2-ethylhexyl) phthalate		2.3	B	1.8	ug/L	8270D
Carbazole		0.46	J	0.89	ug/L	8270D
Diethyl phthalate		1.1		0.89	ug/L	8270D
Di-n-butyl phthalate		2.9	B	0.89	ug/L	8270D
Fluoranthene		0.38		0.18	ug/L	8270D
Fluorene		0.30		0.18	ug/L	8270D
3 & 4 Methylphenol		0.51	J	1.8	ug/L	8270D
Phenanthrene		1.1		0.18	ug/L	8270D
Phenol		2.5		0.89	ug/L	8270D
Pyrene		0.34		0.18	ug/L	8270D
Total Recoverable						
Barium		200	B	200	ug/L	6010C
Chromium		7.9	J	10	ug/L	6010C
Arsenic		11	J	15	ug/L	6010C
Lead		2.1	J	10	ug/L	6010C
240-37948-4	PLR058G0514					
1,1-Dichloroethane		3.4	J	10	ug/L	8260C
Acetone		12	J	100	ug/L	8260C
delta-BHC		0.024	J p	0.095	ug/L	8081B
Total Recoverable						
Barium		420	B	200	ug/L	6010C
Arsenic		12	J	15	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37948-5		PLR057G0514				
1,1-Dichloroethane		0.18	J	1.0	ug/L	8260C
2-Butanone (MEK)		1.3	J	10	ug/L	8260C
Acetone		7.4	J	10	ug/L	8260C
cis-1,2-Dichloroethene		0.24	J	1.0	ug/L	8260C
Methylene Chloride		2.3	B	1.0	ug/L	8260C
Trichloroethene		0.49	J	1.0	ug/L	8260C
Acenaphthene		0.24		0.18	ug/L	8270D
Acetophenone		0.45	J	0.89	ug/L	8270D
Bis(2-ethylhexyl) phthalate		1.4	J B	1.8	ug/L	8270D
Caprolactam		2.7	J	4.5	ug/L	8270D
Diethyl phthalate		0.60	J	0.89	ug/L	8270D
Fluorene		0.13	J	0.18	ug/L	8270D
3 & 4 Methylphenol		0.46	J	1.8	ug/L	8270D
Naphthalene		0.23		0.18	ug/L	8270D
Phenanthrene		0.26		0.18	ug/L	8270D
Phenol		1.8		0.89	ug/L	8270D
Total Recoverable						
Barium		92	J B	200	ug/L	6010C
Chromium		3.0	J	10	ug/L	6010C
Lead		2.0	J	10	ug/L	6010C
240-37948-6		CARMW51G0514				
1,1,1-Trichloroethane		5.6		2.5	ug/L	8260C
1,1-Dichloroethane		9.1		2.5	ug/L	8260C
1,1-Dichloroethene		2.6		2.5	ug/L	8260C
Chloroethane		1.2	J	2.5	ug/L	8260C
Chloroform		0.85	J	2.5	ug/L	8260C
cis-1,2-Dichloroethene		52		2.5	ug/L	8260C
Methylene Chloride		1.1	J B	2.5	ug/L	8260C
trans-1,2-Dichloroethene		1.6	J	2.5	ug/L	8260C
Trichloroethene		85		2.5	ug/L	8260C
Butyl benzyl phthalate		0.44	J	0.89	ug/L	8270D
Caprolactam		1.5	J	4.5	ug/L	8270D
Di-n-butyl phthalate		1.5	B	0.89	ug/L	8270D
Phenol		0.29	J	0.89	ug/L	8270D
Total Recoverable						
Barium		210	B	200	ug/L	6010C
Chromium		2.6	J	10	ug/L	6010C
Arsenic		6.0	J	15	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-37948-7	CARMW52G0514					
cis-1,2-Dichloroethene		280		20	ug/L	8260C
Methylene Chloride		12	J B	20	ug/L	8260C
Trichloroethene		670		20	ug/L	8260C
Bis(2-ethylhexyl) phthalate		2.6	B	1.8	ug/L	8270D
Caprolactam		7.4		4.5	ug/L	8270D
Di-n-butyl phthalate		1.9	B	0.89	ug/L	8270D
Naphthalene		0.17	J	0.18	ug/L	8270D
Phenol		0.75	J	0.89	ug/L	8270D
Total Recoverable						
Barium		200	B	200	ug/L	6010C
Arsenic		22		15	ug/L	6010C
240-37948-8TB	TRIP BLANK					
Methylene Chloride		0.75	J B	1.0	ug/L	8260C

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37948-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Purge and Trap	TAL CAN		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CAN		SW846 3510C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081B	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Metals (ICP)	TAL CAN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL CAN		SW846 3005A
Mercury (CVAA)	TAL CAN	SW846 7470A	
Preparation, Mercury	TAL CAN		SW846 7470A

Lab References:

TAL CAN = TestAmerica Canton

Method References:

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method	Analyst	Analyst ID
SW846 8260C	Evans, Laura	LEE
SW846 8260C	Williams, Larry	LRW
SW846 8270D	Hula, Tom	TMH
SW846 8081B	Matthews, Brandon	BPM
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Counts, Karen	KLC
SW846 7470A	Martin, Aaron	AMM2

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-37948-1	PLR061G0514	Water	05/29/2014 1700	05/31/2014 0935
240-37948-2	PLR060G0514	Water	05/30/2014 0930	05/31/2014 0935
240-37948-3	PLR059G0514	Water	05/30/2014 0955	05/31/2014 0935
240-37948-4	PLR058G0514	Water	05/30/2014 1030	05/31/2014 0935
240-37948-5	PLR057G0514	Water	05/30/2014 1145	05/31/2014 0935
240-37948-6	CARMW51G0514	Water	05/30/2014 1450	05/31/2014 0935
240-37948-7	CARMW52G0514	Water	05/30/2014 1550	05/31/2014 0935
240-37948-8TB	TRIP BLANK	Water	05/30/2014 0000	05/31/2014 0935

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1277.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1137			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1137				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		550	2500
1,1,2,2-Tetrachloroethane	ND		450	2500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		700	2500
1,1,2-Trichloroethane	ND		680	2500
1,1-Dichloroethane	ND		380	2500
1,1-Dichloroethene	ND		480	2500
1,2,4-Trichlorobenzene	ND		380	2500
1,2-Dibromo-3-Chloropropane	ND		1700	5000
Ethylene Dibromide	ND		600	2500
1,2-Dichlorobenzene	ND		330	2500
1,2-Dichloroethane	ND		550	2500
1,2-Dichloropropane	ND		450	2500
1,3-Dichlorobenzene	ND		350	2500
1,4-Dichlorobenzene	ND		330	2500
2-Butanone (MEK)	ND		1400	25000
2-Hexanone	ND		1000	25000
4-Methyl-2-pentanone (MIBK)	ND		800	25000
Acetone	ND		2800	25000
Benzene	ND		330	2500
Dichlorobromomethane	ND		380	2500
Bromoform	ND		1600	2500
Bromomethane	ND		1000	2500
Carbon disulfide	ND		330	2500
Carbon tetrachloride	ND		330	2500
Chlorobenzene	ND		380	2500
Chloroethane	ND		730	2500
Chloroform	ND		400	2500
Chloromethane	ND		750	2500
cis-1,2-Dichloroethene	13000		430	2500
cis-1,3-Dichloropropene	ND		350	2500
Cyclohexane	ND		300	2500
Chlorodibromomethane	ND		450	2500
Dichlorodifluoromethane	ND		780	2500
Ethylbenzene	ND		430	2500
Isopropylbenzene	ND		330	2500
Methyl acetate	ND		950	25000
Methyl tert-butyl ether	ND		430	2500
Methylcyclohexane	ND		330	2500
Methylene Chloride	1400	J B	830	2500
Styrene	ND		280	2500
Tetrachloroethene	ND		730	2500
Toluene	ND		330	2500
trans-1,2-Dichloroethene	ND		480	2500
trans-1,3-Dichloropropene	ND	*	480	2500
Trichloroethene	56000		430	2500
Trichlorofluoromethane	ND		530	2500

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1277.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1137			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1137				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		550	2500
Xylenes, Total	ND		350	5000

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	90		74 - 120
Dibromofluoromethane (Surr)	88		75 - 121
4-Bromofluorobenzene (Surr)	81		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1277.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1137			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1137				

Tentatively Identified Compounds **Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
104-76-7	1-Hexanol, 2-ethyl-	10.67	2600	T J N
554-59-6	Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-	12.12	3200	T J N
464-49-3	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	12.37	4000	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1266.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2203			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	2.8	J	0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	0.75	J	0.32	10
Acetone	16		1.1	10
Benzene	0.31	J	0.13	1.0
Dichlorobromomethane	0.44	J	0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.22	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	3.1		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	1.7		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.30	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	17		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1266.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2203			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	88		74 - 120
Dibromofluoromethane (Surr)	88		75 - 121
4-Bromofluorobenzene (Surr)	81		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-134234

Instrument ID: A3UX10

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXX1266.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 06/11/2014 2203

Final Weight/Volume: 5 mL

Prep Date: 06/11/2014 2203

Tentatively Identified Compounds**Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
115-11-7	1-Propene, 2-methyl-	1.83	1.4	T J N
75-43-4	Methane, dichlorofluoro-	2.48	0.68	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Client Matrix: Water

Date Sampled: 05/30/2014 0955

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1267.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2226			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	1.7	J	0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	6.0	J	1.1	10
Benzene	0.23	J	0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.52	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.33	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	3.5		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1267.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2226			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	0.26	J	0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	90		74 - 120
Dibromofluoromethane (Surr)	88		75 - 121
4-Bromofluorobenzene (Surr)	82		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-134234

Instrument ID: A3UX10

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXX1267.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 06/11/2014 2226

Final Weight/Volume: 5 mL

Prep Date: 06/11/2014 2226

Tentatively Identified Compounds**Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
115-11-7	1-Propene, 2-methyl-	1.83	1.0	T J N
104-76-7	1-Hexanol, 2-ethyl-	10.68	2.7	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXR3874.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1624			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		2.2	10
1,1,2,2-Tetrachloroethane	ND		1.8	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.8	10
1,1,2-Trichloroethane	ND		2.7	10
1,1-Dichloroethane	3.4	J	1.5	10
1,1-Dichloroethene	ND		1.9	10
1,2,4-Trichlorobenzene	ND		1.5	10
1,2-Dibromo-3-Chloropropane	ND		6.7	20
Ethylene Dibromide	ND		2.4	10
1,2-Dichlorobenzene	ND		1.3	10
1,2-Dichloroethane	ND		2.2	10
1,2-Dichloropropane	ND		1.8	10
1,3-Dichlorobenzene	ND		1.4	10
1,4-Dichlorobenzene	ND		1.3	10
2-Butanone (MEK)	ND		5.7	100
2-Hexanone	ND		4.1	100
4-Methyl-2-pentanone (MIBK)	ND		3.2	100
Acetone	12	J	11	100
Benzene	ND		1.3	10
Dichlorobromomethane	ND		1.5	10
Bromoform	ND		6.4	10
Bromomethane	ND		4.1	10
Carbon disulfide	ND		1.3	10
Carbon tetrachloride	ND		1.3	10
Chlorobenzene	ND		1.5	10
Chloroethane	ND		2.9	10
Chloroform	ND		1.6	10
Chloromethane	ND		3.0	10
cis-1,2-Dichloroethene	ND		1.7	10
cis-1,3-Dichloropropene	ND		1.4	10
Cyclohexane	ND		1.2	10
Chlorodibromomethane	ND		1.8	10
Dichlorodifluoromethane	ND		3.1	10
Ethylbenzene	ND		1.7	10
Isopropylbenzene	ND		1.3	10
Methyl acetate	ND		3.8	100
Methyl tert-butyl ether	ND		1.7	10
Methylcyclohexane	ND		1.3	10
Methylene Chloride	ND		3.3	10
Styrene	ND		1.1	10
Tetrachloroethene	ND		2.9	10
Toluene	ND		1.3	10
trans-1,2-Dichloroethene	ND		1.9	10
trans-1,3-Dichloropropene	ND		1.9	10
Trichloroethene	ND		1.7	10
Trichlorofluoromethane	ND		2.1	10

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXR3874.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1624			Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		2.2	10
Xylenes, Total	ND		1.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	80		66 - 120
1,2-Dichloroethane-d4 (Surr)	95		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-133558

Instrument ID: A3UX17

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXR3874.D

Dilution: 10

Initial Weight/Volume: 5 mL

Analysis Date: 06/05/2014 1624

Final Weight/Volume: 5 mL

Prep Date: 06/05/2014 1624

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Client Matrix: Water

Date Sampled: 05/30/2014 1145

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1268.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2248			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2248				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	0.18	J	0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	1.3	J	0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	7.4	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.24	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	2.3	B	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	0.49	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1268.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2248			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2248				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	90		74 - 120
Dibromofluoromethane (Surr)	88		75 - 121
4-Bromofluorobenzene (Surr)	80		66 - 120
1,2-Dichloroethane-d4 (Surr)	90		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-134234

Instrument ID: A3UX10

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXX1268.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 06/11/2014 2248

Final Weight/Volume: 5 mL

Prep Date: 06/11/2014 2248

Tentatively Identified Compounds**Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
1066-40-6	Silanol, trimethyl-	4.49	1.5	T J N
104-76-7	1-Hexanol, 2-ethyl-	10.68	1.8	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1280.D
Dilution:	2.5			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1244			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1244				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	5.6		0.55	2.5
1,1,2,2-Tetrachloroethane	ND		0.45	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.70	2.5
1,1,2-Trichloroethane	ND		0.68	2.5
1,1-Dichloroethane	9.1		0.38	2.5
1,1-Dichloroethene	2.6		0.48	2.5
1,2,4-Trichlorobenzene	ND		0.38	2.5
1,2-Dibromo-3-Chloropropane	ND		1.7	5.0
Ethylene Dibromide	ND		0.60	2.5
1,2-Dichlorobenzene	ND		0.33	2.5
1,2-Dichloroethane	ND		0.55	2.5
1,2-Dichloropropane	ND		0.45	2.5
1,3-Dichlorobenzene	ND		0.35	2.5
1,4-Dichlorobenzene	ND		0.33	2.5
2-Butanone (MEK)	ND		1.4	25
2-Hexanone	ND		1.0	25
4-Methyl-2-pentanone (MIBK)	ND		0.80	25
Acetone	ND		2.8	25
Benzene	ND		0.33	2.5
Dichlorobromomethane	ND		0.38	2.5
Bromoform	ND		1.6	2.5
Bromomethane	ND		1.0	2.5
Carbon disulfide	ND		0.33	2.5
Carbon tetrachloride	ND		0.33	2.5
Chlorobenzene	ND		0.38	2.5
Chloroethane	1.2	J	0.73	2.5
Chloroform	0.85	J	0.40	2.5
Chloromethane	ND		0.75	2.5
cis-1,2-Dichloroethene	52		0.43	2.5
cis-1,3-Dichloropropene	ND		0.35	2.5
Cyclohexane	ND		0.30	2.5
Chlorodibromomethane	ND		0.45	2.5
Dichlorodifluoromethane	ND		0.78	2.5
Ethylbenzene	ND		0.43	2.5
Isopropylbenzene	ND		0.33	2.5
Methyl acetate	ND		0.95	25
Methyl tert-butyl ether	ND		0.43	2.5
Methylcyclohexane	ND		0.33	2.5
Methylene Chloride	1.1	J B	0.83	2.5
Styrene	ND		0.28	2.5
Tetrachloroethene	ND		0.73	2.5
Toluene	ND		0.33	2.5
trans-1,2-Dichloroethene	1.6	J	0.48	2.5
trans-1,3-Dichloropropene	ND	*	0.48	2.5
Trichloroethene	85		0.43	2.5
Trichlorofluoromethane	ND		0.53	2.5

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1280.D
Dilution:	2.5			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1244			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1244				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.55	2.5
Xylenes, Total	ND		0.35	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	89		74 - 120
Dibromofluoromethane (Surr)	89		75 - 121
4-Bromofluorobenzene (Surr)	80		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-134356

Instrument ID: A3UX10

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXX1280.D

Dilution: 2.5

Initial Weight/Volume: 5 mL

Analysis Date: 06/12/2014 1244

Final Weight/Volume: 5 mL

Prep Date: 06/12/2014 1244

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1281.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1306			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1306				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.4	20
1,1,2,2-Tetrachloroethane	ND		3.6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	20
1,1,2-Trichloroethane	ND		5.4	20
1,1-Dichloroethane	ND		3.0	20
1,1-Dichloroethene	ND		3.8	20
1,2,4-Trichlorobenzene	ND		3.0	20
1,2-Dibromo-3-Chloropropane	ND		13	40
Ethylene Dibromide	ND		4.8	20
1,2-Dichlorobenzene	ND		2.6	20
1,2-Dichloroethane	ND		4.4	20
1,2-Dichloropropane	ND		3.6	20
1,3-Dichlorobenzene	ND		2.8	20
1,4-Dichlorobenzene	ND		2.6	20
2-Butanone (MEK)	ND		11	200
2-Hexanone	ND		8.2	200
4-Methyl-2-pentanone (MIBK)	ND		6.4	200
Acetone	ND		22	200
Benzene	ND		2.6	20
Dichlorobromomethane	ND		3.0	20
Bromoform	ND		13	20
Bromomethane	ND		8.2	20
Carbon disulfide	ND		2.6	20
Carbon tetrachloride	ND		2.6	20
Chlorobenzene	ND		3.0	20
Chloroethane	ND		5.8	20
Chloroform	ND		3.2	20
Chloromethane	ND		6.0	20
cis-1,2-Dichloroethene	280		3.4	20
cis-1,3-Dichloropropene	ND		2.8	20
Cyclohexane	ND		2.4	20
Chlorodibromomethane	ND		3.6	20
Dichlorodifluoromethane	ND		6.2	20
Ethylbenzene	ND		3.4	20
Isopropylbenzene	ND		2.6	20
Methyl acetate	ND		7.6	200
Methyl tert-butyl ether	ND		3.4	20
Methylcyclohexane	ND		2.6	20
Methylene Chloride	12	J B	6.6	20
Styrene	ND		2.2	20
Tetrachloroethene	ND		5.8	20
Toluene	ND		2.6	20
trans-1,2-Dichloroethene	ND		3.8	20
trans-1,3-Dichloropropene	ND	*	3.8	20
Trichloroethene	670		3.4	20
Trichlorofluoromethane	ND		4.2	20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1281.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1306			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1306				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.4	20
Xylenes, Total	ND		2.8	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	87		74 - 120
Dibromofluoromethane (Surr)	90		75 - 121
4-Bromofluorobenzene (Surr)	82		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-134356

Instrument ID: A3UX10

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXX1281.D

Dilution: 20

Initial Weight/Volume: 5 mL

Analysis Date: 06/12/2014 1306

Final Weight/Volume: 5 mL

Prep Date: 06/12/2014 1306

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-37948-8TB

Client Matrix: Water

Date Sampled: 05/30/2014 0000

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1264.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2119			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2119				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.75	J B	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-37948-8TB

Date Sampled: 05/30/2014 0000

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-134234	Instrument ID:	A3UX10
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXX1264.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/11/2014 2119			Final Weight/Volume:	5 mL
Prep Date:	06/11/2014 2119				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	90		74 - 120
Dibromofluoromethane (Surr)	87		75 - 121
4-Bromofluorobenzene (Surr)	81		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-37948-8TB

Date Sampled: 05/30/2014 0000

Client Matrix: Water

Date Received: 05/31/2014 0935

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-134234

Instrument ID: A3UX10

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXX1264.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 06/11/2014 2119

Final Weight/Volume: 5 mL

Prep Date: 06/11/2014 2119

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609008.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1029			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.16	J	0.039	0.18
Acenaphthylene	ND		0.018	0.18
Acetophenone	0.59	J	0.13	0.89
Anthracene	ND		0.028	0.18
Atrazine	ND		0.10	0.89
Benzaldehyde	ND		0.26	0.89
Benzo[a]anthracene	ND		0.053	0.18
Benzo[a]pyrene	ND		0.027	0.18
Benzo[b]fluoranthene	ND		0.053	0.18
Benzo[g,h,i]perylene	ND		0.045	0.18
Benzo[k]fluoranthene	ND		0.043	0.18
1,1'-Biphenyl	ND		0.11	0.89
Bis(2-chloroethoxy)methane	ND		0.033	0.89
Bis(2-chloroethyl)ether	ND		0.17	0.89
Bis(2-ethylhexyl) phthalate	5.1	B	1.4	1.8
4-Bromophenyl phenyl ether	ND		0.31	1.8
Butyl benzyl phthalate	ND		0.19	0.89
Caprolactam	5.9		0.33	4.5
Carbazole	ND		0.094	0.89
4-Chloroaniline	ND		0.13	1.8
4-Chloro-3-methylphenol	ND		0.25	1.8
2-Chloronaphthalene	ND		0.10	0.89
2-Chlorophenol	ND		0.12	0.89
4-Chlorophenyl phenyl ether	ND		0.26	1.8
Chrysene	ND		0.031	0.18
Dibenz(a,h)anthracene	ND		0.036	0.18
Dibenzofuran	ND		0.12	0.89
3,3'-Dichlorobenzidine	ND		0.32	4.5
2,4-Dichlorophenol	ND		0.26	1.8
Diethyl phthalate	0.78	J	0.11	0.89
2,4-Dimethylphenol	ND		0.28	1.8
Dimethyl phthalate	ND		0.090	0.89
Di-n-butyl phthalate	2.7	B	0.36	0.89
4,6-Dinitro-2-methylphenol	ND		0.47	4.5
2,4-Dinitrophenol	ND		5.5	36
2,4-Dinitrotoluene	ND		0.23	4.5
2,6-Dinitrotoluene	ND		0.21	4.5
Di-n-octyl phthalate	ND		0.33	0.89
Fluoranthene	ND		0.024	0.18
Fluorene	ND		0.030	0.18
Hexachlorobenzene	ND		0.10	0.89
Hexachlorobutadiene	ND		0.13	0.89
Hexachlorocyclopentadiene	ND	*	2.2	8.9
Hexachloroethane	ND		0.20	0.89
Indeno[1,2,3-cd]pyrene	ND		0.043	0.18
Isophorone	ND		0.038	0.89

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609008.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1029			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	0.23		0.033	0.18
2-Methylphenol	ND		0.17	0.89
3 & 4 Methylphenol	ND		0.30	1.8
Naphthalene	ND		0.038	0.18
2-Nitroaniline	ND		0.28	1.8
3-Nitroaniline	ND		0.24	1.8
4-Nitroaniline	ND		0.22	1.8
Nitrobenzene	ND		0.10	0.89
2-Nitrophenol	ND		0.18	1.8
4-Nitrophenol	ND		0.52	4.5
N-Nitrosodi-n-propylamine	ND		0.14	0.89
N-Nitrosodiphenylamine	ND		0.10	0.89
2,2'-oxybis[1-chloropropane]	ND		0.16	0.89
Pentachlorophenol	ND		4.9	36
Phenanthrene	ND		0.028	0.18
Phenol	2.2		0.13	0.89
Pyrene	ND		0.025	0.18
2,4,5-Trichlorophenol	ND		0.33	4.5
2,4,6-Trichlorophenol	ND		0.23	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		29 - 110
2-Fluorophenol (Surr)	61		15 - 110
Nitrobenzene-d5 (Surr)	60		31 - 110
Phenol-d5 (Surr)	65		10 - 110
Terphenyl-d14 (Surr)	76		31 - 115
2,4,6-Tribromophenol (Surr)	73		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609008.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1029			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-85-4	Amylene Hydrate	2.88	5.4	T J N
110-82-7	Cyclohexane	3.13	75	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.25	480	T J N
79-01-6	Trichloroethylene	3.44	240	T J N
513-86-0	2-Butanone, 3-hydroxy-	3.54	1300	T J N
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.86	80	T J N
111-76-2	Ethanol, 2-butoxy-	5.38	16	T J N
111-77-3	Ethanol, 2-(2-methoxyethoxy)-	5.57	6.4	T J N
112-36-7	Ethane, 1,1'-oxybis[2-ethoxy-]	6.05	12	T J N
123-76-2	Pentanoic acid, 4-oxo-	6.31	3.8	T J N
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	12	T J N
629-50-5	Tridecane	12.78	3.7	T J N
638-68-6	triacontane	13.74	3.7	T J N
7683-64-9	Squalene	13.85	9.8	T J N
629-94-7	Heneicosane	14.26	4.8	T J N
54833-23-7	Eicosane, 10-methyl-	14.79	9.0	T J N
629-94-7	Heneicosane	15.35	9.8	T J N
7098-22-8	Tetratetracontane	15.91	12	T J N
630-06-8	Hexatriacontane	16.53	8.2	T J N
630-06-8	Hexatriacontane	17.24	8.8	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609007.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1006			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.71		0.039	0.18
Acenaphthylene	ND		0.018	0.18
Acetophenone	0.45	J	0.13	0.89
Anthracene	ND		0.028	0.18
Atrazine	ND		0.10	0.89
Benzaldehyde	ND		0.26	0.89
Benzo[a]anthracene	ND		0.053	0.18
Benzo[a]pyrene	ND		0.027	0.18
Benzo[b]fluoranthene	ND		0.053	0.18
Benzo[g,h,i]perylene	ND		0.045	0.18
Benzo[k]fluoranthene	ND		0.043	0.18
1,1'-Biphenyl	ND		0.11	0.89
Bis(2-chloroethoxy)methane	ND		0.033	0.89
Bis(2-chloroethyl)ether	ND		0.17	0.89
Bis(2-ethylhexyl) phthalate	1.7	J B	1.4	1.8
4-Bromophenyl phenyl ether	ND		0.31	1.8
Butyl benzyl phthalate	ND		0.19	0.89
Caprolactam	2.6	J	0.33	4.5
Carbazole	0.98		0.094	0.89
4-Chloroaniline	ND		0.13	1.8
4-Chloro-3-methylphenol	ND		0.25	1.8
2-Chloronaphthalene	ND		0.10	0.89
2-Chlorophenol	ND		0.12	0.89
4-Chlorophenyl phenyl ether	ND		0.26	1.8
Chrysene	ND		0.031	0.18
Dibenz(a,h)anthracene	ND		0.036	0.18
Dibenzofuran	0.32	J	0.12	0.89
3,3'-Dichlorobenzidine	ND		0.32	4.5
2,4-Dichlorophenol	ND		0.26	1.8
Diethyl phthalate	ND		0.11	0.89
2,4-Dimethylphenol	ND		0.28	1.8
Dimethyl phthalate	ND		0.090	0.89
Di-n-butyl phthalate	1.1	B	0.36	0.89
4,6-Dinitro-2-methylphenol	ND		0.47	4.5
2,4-Dinitrophenol	ND		5.5	36
2,4-Dinitrotoluene	ND		0.23	4.5
2,6-Dinitrotoluene	ND		0.21	4.5
Di-n-octyl phthalate	ND		0.33	0.89
Fluoranthene	0.21		0.024	0.18
Fluorene	0.22		0.030	0.18
Hexachlorobenzene	ND		0.10	0.89
Hexachlorobutadiene	ND		0.13	0.89
Hexachlorocyclopentadiene	ND	*	2.2	8.9
Hexachloroethane	ND		0.20	0.89
Indeno[1,2,3-cd]pyrene	ND		0.043	0.18
Isophorone	ND		0.038	0.89

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609007.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1006			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	1.7		0.033	0.18
2-Methylphenol	ND		0.17	0.89
3 & 4 Methylphenol	ND		0.30	1.8
Naphthalene	0.76		0.038	0.18
2-Nitroaniline	ND		0.28	1.8
3-Nitroaniline	ND		0.24	1.8
4-Nitroaniline	ND		0.22	1.8
Nitrobenzene	ND		0.10	0.89
2-Nitrophenol	ND		0.18	1.8
4-Nitrophenol	ND		0.52	4.5
N-Nitrosodi-n-propylamine	ND		0.14	0.89
N-Nitrosodiphenylamine	ND		0.10	0.89
2,2'-oxybis[1-chloropropane]	ND		0.16	0.89
Pentachlorophenol	ND		4.9	36
Phenanthrene	0.72		0.028	0.18
Phenol	0.47	J	0.13	0.89
Pyrene	ND		0.025	0.18
2,4,5-Trichlorophenol	ND		0.33	4.5
2,4,6-Trichlorophenol	ND		0.23	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	45		29 - 110
2-Fluorophenol (Surr)	51		15 - 110
Nitrobenzene-d5 (Surr)	52		31 - 110
Phenol-d5 (Surr)	53		10 - 110
Terphenyl-d14 (Surr)	69		31 - 115
2,4,6-Tribromophenol (Surr)	64		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609007.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1006			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-85-4	Amylene Hydrate	2.88	4.8	T J N
110-82-7	Cyclohexane	3.12	98	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	140	T J N
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.85	3.5	T J N
142-62-1	Hexanoic acid	5.82	2.6	T J N
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	6.05	3.1	T J N
123-76-2	Pentanoic acid, 4-oxo-	6.31	2.8	T J N
111-14-8	Heptanoic acid	6.43	2.5	T J N
65-85-0	Benzoic acid	6.98	3.9	J
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	3.1	T J N
143-07-7	Dodecanoic acid	8.88	2.9	T J N
544-63-8	Tetradecanoic acid	9.65	3.8	T J N
7431-95-0	9-Octadecenoic acid, 12-hydroxy-	11.70	20	T J N
7683-64-9	Squalene	13.85	4.5	T J N
7225-64-1	Heptadecane, 9-octyl-	14.26	7.2	T J N
629-94-7	Heneicosane	14.79	11	T J N
629-94-7	Heneicosane	15.35	11	T J N
629-94-7	Heneicosane	15.91	13	T J N
630-06-8	Hexatriacontane	16.53	9.5	T J N
630-06-8	Hexatriacontane	17.24	8.3	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609006.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 0942			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.38		0.039	0.18
Acenaphthylene	ND		0.018	0.18
Acetophenone	0.90		0.13	0.89
Anthracene	ND		0.028	0.18
Atrazine	ND		0.10	0.89
Benzaldehyde	ND		0.26	0.89
Benzo[a]anthracene	ND		0.053	0.18
Benzo[a]pyrene	ND		0.027	0.18
Benzo[b]fluoranthene	ND		0.053	0.18
Benzo[g,h,i]perylene	ND		0.045	0.18
Benzo[k]fluoranthene	ND		0.043	0.18
1,1'-Biphenyl	ND		0.11	0.89
Bis(2-chloroethoxy)methane	ND		0.033	0.89
Bis(2-chloroethyl)ether	ND		0.17	0.89
Bis(2-ethylhexyl) phthalate	2.3	B	1.4	1.8
4-Bromophenyl phenyl ether	ND		0.31	1.8
Butyl benzyl phthalate	ND		0.19	0.89
Caprolactam	ND		0.33	4.5
Carbazole	0.46	J	0.094	0.89
4-Chloroaniline	ND		0.13	1.8
4-Chloro-3-methylphenol	ND		0.25	1.8
2-Chloronaphthalene	ND		0.10	0.89
2-Chlorophenol	ND		0.12	0.89
4-Chlorophenyl phenyl ether	ND		0.26	1.8
Chrysene	ND		0.031	0.18
Dibenz(a,h)anthracene	ND		0.036	0.18
Dibenzofuran	ND		0.12	0.89
3,3'-Dichlorobenzidine	ND		0.32	4.5
2,4-Dichlorophenol	ND		0.26	1.8
Diethyl phthalate	1.1		0.11	0.89
2,4-Dimethylphenol	ND		0.28	1.8
Dimethyl phthalate	ND		0.090	0.89
Di-n-butyl phthalate	2.9	B	0.36	0.89
4,6-Dinitro-2-methylphenol	ND		0.47	4.5
2,4-Dinitrophenol	ND		5.5	36
2,4-Dinitrotoluene	ND		0.23	4.5
2,6-Dinitrotoluene	ND		0.21	4.5
Di-n-octyl phthalate	ND		0.33	0.89
Fluoranthene	0.38		0.024	0.18
Fluorene	0.30		0.030	0.18
Hexachlorobenzene	ND		0.10	0.89
Hexachlorobutadiene	ND		0.13	0.89
Hexachlorocyclopentadiene	ND	*	2.2	8.9
Hexachloroethane	ND		0.20	0.89
Indeno[1,2,3-cd]pyrene	ND		0.043	0.18
Isophorone	ND		0.038	0.89

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Client Matrix: Water

Date Sampled: 05/30/2014 0955

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609006.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 0942			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	ND		0.033	0.18
2-Methylphenol	ND		0.17	0.89
3 & 4 Methylphenol	0.51	J	0.30	1.8
Naphthalene	ND		0.038	0.18
2-Nitroaniline	ND		0.28	1.8
3-Nitroaniline	ND		0.24	1.8
4-Nitroaniline	ND		0.22	1.8
Nitrobenzene	ND		0.10	0.89
2-Nitrophenol	ND		0.18	1.8
4-Nitrophenol	ND		0.52	4.5
N-Nitrosodi-n-propylamine	ND		0.14	0.89
N-Nitrosodiphenylamine	ND		0.10	0.89
2,2'-oxybis[1-chloropropane]	ND		0.16	0.89
Pentachlorophenol	ND		4.9	36
Phenanthrene	1.1		0.028	0.18
Phenol	2.5		0.13	0.89
Pyrene	0.34		0.025	0.18
2,4,5-Trichlorophenol	ND		0.33	4.5
2,4,6-Trichlorophenol	ND		0.23	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		29 - 110
2-Fluorophenol (Surr)	64		15 - 110
Nitrobenzene-d5 (Surr)	62		31 - 110
Phenol-d5 (Surr)	67		10 - 110
Terphenyl-d14 (Surr)	70		31 - 115
2,4,6-Tribromophenol (Surr)	70		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609006.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 0942			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds**Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
110-82-7	Cyclohexane	3.11	37	T J N
79-09-4	Propanoic acid	3.24	59	T J N
503-74-2	Butanoic acid, 3-methyl-	4.86	34	T J N
111-76-2	Ethanol, 2-butoxy-	5.38	6.7	T J N
112-36-7	Ethane, 1,1'-oxybis[2-ethoxy-]	6.05	6.5	T J N
111-14-8	Heptanoic acid	6.46	4.4	T J N
65-85-0	Benzoic acid	7.01	4.7	J
122-99-6	Ethanol, 2-phenoxy-	7.43	3.4	T J N
644-36-0	o-Tolylacetic acid	7.99	9.0	T J N
3964-66-7	Cyclohexene, 1-hexyl-	8.05	6.1	T J N
6148-37-4	Furan, 4-methyl-2-propyl-	8.25	15	T J N
540-18-1	Butanoic acid, pentyl ester	8.33	18	T J N
6331-04-0	Acetic acid, (2,4-xylyl)-	8.43	14	T J N
593-45-3	n-Octadecane	9.89	8.6	
7683-64-9	Squalene	13.85	4.5	T J N
629-94-7	Heneicosane	14.79	6.8	T J N
630-06-8	Hexatriacontane	15.35	6.0	T J N
630-06-8	Hexatriacontane	15.91	10	T J N
638-68-6	Triacontane	16.53	5.0	T J N
630-06-8	Hexatriacontane	17.25	4.4	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Client Matrix: Water

Date Sampled: 05/30/2014 1030

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609009.D
Dilution:	10			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1052			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.39	1.8
Acenaphthylene	ND		0.18	1.8
Acetophenone	ND		1.3	8.9
Anthracene	ND		0.28	1.8
Atrazine	ND		1.0	8.9
Benzaldehyde	ND		2.6	8.9
Benzo[a]anthracene	ND		0.53	1.8
Benzo[a]pyrene	ND		0.27	1.8
Benzo[b]fluoranthene	ND		0.53	1.8
Benzo[g,h,i]perylene	ND		0.45	1.8
Benzo[k]fluoranthene	ND		0.43	1.8
1,1'-Biphenyl	ND		1.1	8.9
Bis(2-chloroethoxy)methane	ND		0.33	8.9
Bis(2-chloroethyl)ether	ND		1.7	8.9
Bis(2-ethylhexyl) phthalate	ND		14	18
4-Bromophenyl phenyl ether	ND		3.1	18
Butyl benzyl phthalate	ND		1.9	8.9
Caprolactam	ND		3.3	45
Carbazole	ND		0.94	8.9
4-Chloroaniline	ND		1.3	18
4-Chloro-3-methylphenol	ND		2.5	18
2-Chloronaphthalene	ND		1.0	8.9
2-Chlorophenol	ND		1.2	8.9
4-Chlorophenyl phenyl ether	ND		2.6	18
Chrysene	ND		0.31	1.8
Dibenz(a,h)anthracene	ND		0.36	1.8
Dibenzofuran	ND		1.2	8.9
3,3'-Dichlorobenzidine	ND		3.2	45
2,4-Dichlorophenol	ND		2.6	18
Diethyl phthalate	ND		1.1	8.9
2,4-Dimethylphenol	ND		2.8	18
Dimethyl phthalate	ND		0.90	8.9
Di-n-butyl phthalate	ND		3.6	8.9
4,6-Dinitro-2-methylphenol	ND		4.7	45
2,4-Dinitrophenol	ND		55	360
2,4-Dinitrotoluene	ND		2.3	45
2,6-Dinitrotoluene	ND		2.1	45
Di-n-octyl phthalate	ND		3.3	8.9
Fluoranthene	ND		0.24	1.8
Fluorene	ND		0.30	1.8
Hexachlorobenzene	ND		1.0	8.9
Hexachlorobutadiene	ND		1.3	8.9
Hexachlorocyclopentadiene	ND	*	22	89
Hexachloroethane	ND		2.0	8.9
Indeno[1,2,3-cd]pyrene	ND		0.43	1.8
Isophorone	ND		0.38	8.9

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Client Matrix: Water

Date Sampled: 05/30/2014 1030

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609009.D
Dilution:	10			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1052			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	ND		0.33	1.8
2-Methylphenol	ND		1.7	8.9
3 & 4 Methylphenol	ND		3.0	18
Naphthalene	ND		0.38	1.8
2-Nitroaniline	ND		2.8	18
3-Nitroaniline	ND		2.4	18
4-Nitroaniline	ND		2.2	18
Nitrobenzene	ND		1.0	8.9
2-Nitrophenol	ND		1.8	18
4-Nitrophenol	ND		5.2	45
N-Nitrosodi-n-propylamine	ND		1.4	8.9
N-Nitrosodiphenylamine	ND		1.0	8.9
2,2'-oxybis[1-chloropropane]	ND		1.6	8.9
Pentachlorophenol	ND		49	360
Phenanthrene	ND		0.28	1.8
Phenol	ND		1.3	8.9
Pyrene	ND		0.25	1.8
2,4,5-Trichlorophenol	ND		3.3	45
2,4,6-Trichlorophenol	ND		2.3	45

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		29 - 110
2-Fluorophenol (Surr)	67		15 - 110
Nitrobenzene-d5 (Surr)	64		31 - 110
Phenol-d5 (Surr)	74		10 - 110
Terphenyl-d14 (Surr)	84		31 - 115
2,4,6-Tribromophenol (Surr)	80		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609009.D
Dilution:	10			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 1052			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 19**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-85-4	Amylene Hydrate	2.88	370	T J N
110-82-7	Cyclohexane	3.11	220	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	270	T J N
116-53-0	Butanoic acid, 2-methyl-	4.85	130	T J N
111-76-2	Ethanol, 2-butoxy-	5.37	36	T J N
107-86-8	2-Butenal, 3-methyl-	5.51	25	T J N
111-77-3	Ethanol, 2-(2-methoxyethoxy)-	5.57	25	T J N
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	5.74	29	T J N
112-36-7	Ethane, 1,1'-oxybis[2-ethoxy-]	6.05	20	T J N
3302-10-1	Hexanoic acid, 3,5,5-trimethyl-	6.82	31	T J N
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	23	T J N
112-05-0	Nonanoic acid	7.49	16	T J N
24830-94-2	D-Allothreonine	8.05	24	T J N
98-10-2	Benzenesulfonamide	8.98	97	T J N
630-02-4	Octacosane	14.25	87	T J N
629-97-0	Docosane	15.35	95	T J N
629-94-7	Heneicosane	15.91	100	T J N
630-06-8	Hexatriacontane	16.53	71	T J N
7098-22-8	Tetratetracontane	17.25	66	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Client Matrix: Water

Date Sampled: 05/30/2014 1145

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609005.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 0919			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.24		0.039	0.18
Acenaphthylene	ND		0.018	0.18
Acetophenone	0.45	J	0.13	0.89
Anthracene	ND		0.028	0.18
Atrazine	ND		0.10	0.89
Benzaldehyde	ND		0.26	0.89
Benzo[a]anthracene	ND		0.053	0.18
Benzo[a]pyrene	ND		0.027	0.18
Benzo[b]fluoranthene	ND		0.053	0.18
Benzo[g,h,i]perylene	ND		0.045	0.18
Benzo[k]fluoranthene	ND		0.043	0.18
1,1'-Biphenyl	ND		0.11	0.89
Bis(2-chloroethoxy)methane	ND		0.033	0.89
Bis(2-chloroethyl)ether	ND		0.17	0.89
Bis(2-ethylhexyl) phthalate	1.4	J B	1.4	1.8
4-Bromophenyl phenyl ether	ND		0.31	1.8
Butyl benzyl phthalate	ND		0.19	0.89
Caprolactam	2.7	J	0.33	4.5
Carbazole	ND		0.094	0.89
4-Chloroaniline	ND		0.13	1.8
4-Chloro-3-methylphenol	ND		0.25	1.8
2-Chloronaphthalene	ND		0.10	0.89
2-Chlorophenol	ND		0.12	0.89
4-Chlorophenyl phenyl ether	ND		0.26	1.8
Chrysene	ND		0.031	0.18
Dibenz(a,h)anthracene	ND		0.036	0.18
Dibenzofuran	ND		0.12	0.89
3,3'-Dichlorobenzidine	ND		0.32	4.5
2,4-Dichlorophenol	ND		0.26	1.8
Diethyl phthalate	0.60	J	0.11	0.89
2,4-Dimethylphenol	ND		0.28	1.8
Dimethyl phthalate	ND		0.090	0.89
Di-n-butyl phthalate	ND		0.36	0.89
4,6-Dinitro-2-methylphenol	ND		0.47	4.5
2,4-Dinitrophenol	ND		5.5	36
2,4-Dinitrotoluene	ND		0.23	4.5
2,6-Dinitrotoluene	ND		0.21	4.5
Di-n-octyl phthalate	ND		0.33	0.89
Fluoranthene	ND		0.024	0.18
Fluorene	0.13	J	0.030	0.18
Hexachlorobenzene	ND		0.10	0.89
Hexachlorobutadiene	ND		0.13	0.89
Hexachlorocyclopentadiene	ND	*	2.2	8.9
Hexachloroethane	ND		0.20	0.89
Indeno[1,2,3-cd]pyrene	ND		0.043	0.18
Isophorone	ND		0.038	0.89

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Client Matrix: Water

Date Sampled: 05/30/2014 1145

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609005.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 0919			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	ND		0.033	0.18
2-Methylphenol	ND		0.17	0.89
3 & 4 Methylphenol	0.46	J	0.30	1.8
Naphthalene	0.23		0.038	0.18
2-Nitroaniline	ND		0.28	1.8
3-Nitroaniline	ND		0.24	1.8
4-Nitroaniline	ND		0.22	1.8
Nitrobenzene	ND		0.10	0.89
2-Nitrophenol	ND		0.18	1.8
4-Nitrophenol	ND		0.52	4.5
N-Nitrosodi-n-propylamine	ND		0.14	0.89
N-Nitrosodiphenylamine	ND		0.10	0.89
2,2'-oxybis[1-chloropropane]	ND		0.16	0.89
Pentachlorophenol	ND		4.9	36
Phenanthrene	0.26		0.028	0.18
Phenol	1.8		0.13	0.89
Pyrene	ND		0.025	0.18
2,4,5-Trichlorophenol	ND		0.33	4.5
2,4,6-Trichlorophenol	ND		0.23	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		29 - 110
2-Fluorophenol (Surr)	67		15 - 110
Nitrobenzene-d5 (Surr)	65		31 - 110
Phenol-d5 (Surr)	69		10 - 110
Terphenyl-d14 (Surr)	78		31 - 115
2,4,6-Tribromophenol (Surr)	76		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133791	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133077	Lab File ID:	0609005.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/09/2014 0919			Final Weight/Volume:	5 mL
Prep Date:	06/03/2014 0750			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 19**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
110-82-7	Cyclohexane	2.80	5.6	T J N
75-85-4	Amylene Hydrate	2.88	5.6	T J N
110-82-7	Cyclohexane	3.12	110	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	190	T J N
123-91-1	1,4-Dioxane	3.55	41	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.85	57	T J N
111-76-2	Ethanol, 2-butoxy-	5.38	15	T J N
111-77-3	Ethanol, 2-(2-methoxyethoxy)-	5.58	4.5	T J N
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	6.05	9.6	T J N
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	9.3	T J N
17851-53-5	1,2-Benzenedicarboxylic acid, butyl 2-me	10.12	3.8	T J N
140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	10.45	22	T J N
13475-77-9	Eicosane, 9-octyl-	13.74	5.2	T J N
593-49-7	Heptacosane	14.25	6.6	T J N
55282-14-9	Docosane, 9-butyl-	14.79	11	T J N
629-94-7	Heneicosane	15.35	23	T J N
630-06-8	Hexatriacontane	15.91	14	T J N
638-68-6	Triacontane	16.53	9.8	T J N
630-06-8	Hexatriacontane	17.24	9.8	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133294	Lab File ID:	0606026.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/06/2014 2020			Final Weight/Volume:	5 mL
Prep Date:	06/04/2014 0857			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.039	0.18
Acenaphthylene	ND		0.018	0.18
Acetophenone	ND		0.13	0.89
Anthracene	ND		0.028	0.18
Atrazine	ND		0.10	0.89
Benzaldehyde	ND		0.26	0.89
Benzo[a]anthracene	ND		0.053	0.18
Benzo[a]pyrene	ND		0.027	0.18
Benzo[b]fluoranthene	ND		0.053	0.18
Benzo[g,h,i]perylene	ND		0.045	0.18
Benzo[k]fluoranthene	ND		0.043	0.18
1,1'-Biphenyl	ND		0.11	0.89
Bis(2-chloroethoxy)methane	ND		0.033	0.89
Bis(2-chloroethyl)ether	ND		0.17	0.89
Bis(2-ethylhexyl) phthalate	ND		1.4	1.8
4-Bromophenyl phenyl ether	ND		0.31	1.8
Butyl benzyl phthalate	0.44	J	0.19	0.89
Caprolactam	1.5	J	0.33	4.5
Carbazole	ND		0.094	0.89
4-Chloroaniline	ND		0.13	1.8
4-Chloro-3-methylphenol	ND		0.25	1.8
2-Chloronaphthalene	ND		0.10	0.89
2-Chlorophenol	ND		0.12	0.89
4-Chlorophenyl phenyl ether	ND		0.26	1.8
Chrysene	ND		0.031	0.18
Dibenz(a,h)anthracene	ND		0.036	0.18
Dibenzofuran	ND		0.12	0.89
3,3'-Dichlorobenzidine	ND		0.32	4.5
2,4-Dichlorophenol	ND		0.26	1.8
Diethyl phthalate	ND		0.11	0.89
2,4-Dimethylphenol	ND		0.28	1.8
Dimethyl phthalate	ND		0.090	0.89
Di-n-butyl phthalate	1.5	B	0.36	0.89
4,6-Dinitro-2-methylphenol	ND		0.47	4.5
2,4-Dinitrophenol	ND		5.5	36
2,4-Dinitrotoluene	ND		0.23	4.5
2,6-Dinitrotoluene	ND		0.21	4.5
Di-n-octyl phthalate	ND		0.33	0.89
Fluoranthene	ND		0.024	0.18
Fluorene	ND		0.030	0.18
Hexachlorobenzene	ND		0.10	0.89
Hexachlorobutadiene	ND		0.13	0.89
Hexachlorocyclopentadiene	ND	*	2.2	8.9
Hexachloroethane	ND		0.20	0.89
Indeno[1,2,3-cd]pyrene	ND		0.043	0.18
Isophorone	ND		0.038	0.89

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133294	Lab File ID:	0606026.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/06/2014 2020			Final Weight/Volume:	5 mL
Prep Date:	06/04/2014 0857			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	ND		0.033	0.18
2-Methylphenol	ND		0.17	0.89
3 & 4 Methylphenol	ND		0.30	1.8
Naphthalene	ND		0.038	0.18
2-Nitroaniline	ND		0.28	1.8
3-Nitroaniline	ND		0.24	1.8
4-Nitroaniline	ND		0.22	1.8
Nitrobenzene	ND		0.10	0.89
2-Nitrophenol	ND		0.18	1.8
4-Nitrophenol	ND		0.52	4.5
N-Nitrosodi-n-propylamine	ND		0.14	0.89
N-Nitrosodiphenylamine	ND		0.10	0.89
2,2'-oxybis[1-chloropropane]	ND		0.16	0.89
Pentachlorophenol	ND		4.9	36
Phenanthrene	ND		0.028	0.18
Phenol	0.29	J	0.13	0.89
Pyrene	ND		0.025	0.18
2,4,5-Trichlorophenol	ND		0.33	4.5
2,4,6-Trichlorophenol	ND		0.23	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		29 - 110
2-Fluorophenol (Surr)	67		15 - 110
Nitrobenzene-d5 (Surr)	68		31 - 110
Phenol-d5 (Surr)	68		10 - 110
Terphenyl-d14 (Surr)	84		31 - 115
2,4,6-Tribromophenol (Surr)	80		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133294	Lab File ID:	0606026.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/06/2014 2020			Final Weight/Volume:	5 mL
Prep Date:	06/04/2014 0857			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
110-82-7	Cyclohexane	2.80	4.9	T J N
75-85-4	Amylene Hydrate	2.87	10	T J N
110-82-7	Cyclohexane	3.11	86	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	160	T J N
79-01-6	Trichloroethylene	3.48	7.9	T J N
123-91-1	1,4-Dioxane	3.55	16	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.85	24	T J N
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	6.05	6.2	T J N
100-51-6	Benzyl alcohol	6.31	28	
1000126-28-8	N-Cbz-glycyl-glycine-p-nitrophenyl ester	6.42	4.6	T J N
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	6.5	T J N
85-44-9	Phthalic anhydride	7.90	24	T J N
57-11-4	Octadecanoic acid	11.09	6.7	T J N
871-84-1	1,7-Octadiyne	11.30	7.3	T J N
629-94-7	Heneicosane	14.27	6.1	T J N
629-94-7	Heneicosane	14.80	10	T J N
629-97-0	Docosane	15.36	13	T J N
544-76-3	Hexadecane	15.93	12	T J N
630-06-8	Hexatriacontane	16.55	9.2	T J N
630-06-8	Hexatriacontane	17.26	8.4	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133294	Lab File ID:	0606025.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/06/2014 1957			Final Weight/Volume:	5 mL
Prep Date:	06/04/2014 0857			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.039	0.18
Acenaphthylene	ND		0.018	0.18
Acetophenone	ND		0.13	0.89
Anthracene	ND		0.028	0.18
Atrazine	ND		0.10	0.89
Benzaldehyde	ND		0.26	0.89
Benzo[a]anthracene	ND		0.053	0.18
Benzo[a]pyrene	ND		0.027	0.18
Benzo[b]fluoranthene	ND		0.053	0.18
Benzo[g,h,i]perylene	ND		0.045	0.18
Benzo[k]fluoranthene	ND		0.043	0.18
1,1'-Biphenyl	ND		0.11	0.89
Bis(2-chloroethoxy)methane	ND		0.033	0.89
Bis(2-chloroethyl)ether	ND		0.17	0.89
Bis(2-ethylhexyl) phthalate	2.6	B	1.4	1.8
4-Bromophenyl phenyl ether	ND		0.31	1.8
Butyl benzyl phthalate	ND		0.19	0.89
Caprolactam	7.4		0.33	4.5
Carbazole	ND		0.094	0.89
4-Chloroaniline	ND		0.13	1.8
4-Chloro-3-methylphenol	ND		0.25	1.8
2-Chloronaphthalene	ND		0.10	0.89
2-Chlorophenol	ND		0.12	0.89
4-Chlorophenyl phenyl ether	ND		0.26	1.8
Chrysene	ND		0.031	0.18
Dibenz(a,h)anthracene	ND		0.036	0.18
Dibenzofuran	ND		0.12	0.89
3,3'-Dichlorobenzidine	ND		0.32	4.5
2,4-Dichlorophenol	ND		0.26	1.8
Diethyl phthalate	ND		0.11	0.89
2,4-Dimethylphenol	ND		0.28	1.8
Dimethyl phthalate	ND		0.090	0.89
Di-n-butyl phthalate	1.9	B	0.36	0.89
4,6-Dinitro-2-methylphenol	ND		0.47	4.5
2,4-Dinitrophenol	ND		5.5	36
2,4-Dinitrotoluene	ND		0.23	4.5
2,6-Dinitrotoluene	ND		0.21	4.5
Di-n-octyl phthalate	ND		0.33	0.89
Fluoranthene	ND		0.024	0.18
Fluorene	ND		0.030	0.18
Hexachlorobenzene	ND		0.10	0.89
Hexachlorobutadiene	ND		0.13	0.89
Hexachlorocyclopentadiene	ND	*	2.2	8.9
Hexachloroethane	ND		0.20	0.89
Indeno[1,2,3-cd]pyrene	ND		0.043	0.18
Isophorone	ND		0.038	0.89

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133294	Lab File ID:	0606025.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/06/2014 1957			Final Weight/Volume:	5 mL
Prep Date:	06/04/2014 0857			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylnaphthalene	ND		0.033	0.18
2-Methylphenol	ND		0.17	0.89
3 & 4 Methylphenol	ND		0.30	1.8
Naphthalene	0.17	J	0.038	0.18
2-Nitroaniline	ND		0.28	1.8
3-Nitroaniline	ND		0.24	1.8
4-Nitroaniline	ND		0.22	1.8
Nitrobenzene	ND		0.10	0.89
2-Nitrophenol	ND		0.18	1.8
4-Nitrophenol	ND		0.52	4.5
N-Nitrosodi-n-propylamine	ND		0.14	0.89
N-Nitrosodiphenylamine	ND		0.10	0.89
2,2'-oxybis[1-chloropropane]	ND		0.16	0.89
Pentachlorophenol	ND		4.9	36
Phenanthrene	ND		0.028	0.18
Phenol	0.75	J	0.13	0.89
Pyrene	ND		0.025	0.18
2,4,5-Trichlorophenol	ND		0.33	4.5
2,4,6-Trichlorophenol	ND		0.23	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		29 - 110
2-Fluorophenol (Surr)	69		15 - 110
Nitrobenzene-d5 (Surr)	73		31 - 110
Phenol-d5 (Surr)	74		10 - 110
Terphenyl-d14 (Surr)	88		31 - 115
2,4,6-Tribromophenol (Surr)	83		21 - 128

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-133670	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-133294	Lab File ID:	0606025.D
Dilution:	1.0			Initial Weight/Volume:	280 mL
Analysis Date:	06/06/2014 1957			Final Weight/Volume:	5 mL
Prep Date:	06/04/2014 0857			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 19**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
16745-94-1	1-Hexene, 3,4-dimethyl-	2.79	2.9	T J N
75-85-4	Amylene Hydrate	2.88	7.1	T J N
110-82-7	Cyclohexane	3.12	68	T J N
994-05-8	Butane, 2-methoxy-2-methyl-	3.24	120	T J N
79-01-6	Trichloroethylene	3.49	35	T J N
541-05-9	Cyclotrisiloxane, hexamethyl-	4.66	2.8	T J N
594-04-7	Dichloriodomethane	4.85	9.3	T J N
111-76-2	Ethanol, 2-butoxy-	5.38	2.6	T J N
112-36-7	Ethane, 1,1'-oxybis[2-ethoxy-]	6.05	3.5	T J N
100-51-6	Benzyl alcohol	6.31	12	
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.16	6.8	T J N
122-99-6	Ethanol, 2-phenoxy-	7.43	6.0	T J N
71005-15-7	Pentadecane, 8-heptyl-	13.75	8.3	T J N
7683-64-9	Squalene	13.87	8.2	T J N
629-94-7	Heneicosane	14.27	8.4	T J N
629-94-7	Heneicosane	14.81	16	T J N
54833-23-7	Eicosane, 10-methyl-	15.93	19	T J N
629-94-7	Heneicosane	16.55	13	T J N
630-06-8	Hexatriacontane	17.27	13	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1010 mL
Dilution:	5.0			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 1715			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.048	0.25
4,4'-DDE	ND		0.048	0.25
4,4'-DDT	ND		0.079	0.25
Aldrin	ND		0.041	0.25
alpha-BHC	ND		0.035	0.25
alpha-Chlordane	ND		0.069	0.25
beta-BHC	ND		0.042	0.25
delta-BHC	ND		0.043	0.25
Dieldrin	ND		0.037	0.25
Endosulfan I	ND		0.064	0.25
Endosulfan II	ND		0.059	0.25
Endosulfan sulfate	ND		0.054	0.25
Endrin	ND		0.054	0.25
Endrin aldehyde	ND		0.054	0.25
Endrin ketone	ND		0.039	0.25
gamma-BHC (Lindane)	ND		0.032	0.25
gamma-Chlordane	ND		0.059	0.25
Heptachlor	ND		0.040	0.25
Heptachlor epoxide	ND		0.035	0.25
Toxaphene	ND		1.6	9.9
Methoxychlor	ND		0.16	0.50
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	79		30 - 121	
Tetrachloro-m-xylene	128	X	40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1010 mL

Dilution: 5.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1715

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		30 - 121
Tetrachloro-m-xylene	118		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 240-133651	Instrument ID: A2HP15
Prep Method: 3520C	Prep Batch: 240-133080	Initial Weight/Volume: 1050 mL
Dilution: 5.0		Final Weight/Volume: 5 mL
Analysis Date: 06/06/2014 1737		Injection Volume: 1 uL
Prep Date: 06/03/2014 0758		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.046	0.24
4,4'-DDE	ND		0.046	0.24
4,4'-DDT	ND		0.076	0.24
Aldrin	ND		0.039	0.24
alpha-BHC	ND		0.033	0.24
alpha-Chlordane	ND		0.067	0.24
beta-BHC	ND		0.040	0.24
delta-BHC	ND		0.041	0.24
Dieldrin	ND		0.036	0.24
Endosulfan I	ND		0.062	0.24
Endosulfan II	ND		0.057	0.24
Endosulfan sulfate	ND		0.052	0.24
Endrin	ND		0.052	0.24
Endrin aldehyde	ND		0.052	0.24
Endrin ketone	ND		0.037	0.24
gamma-BHC (Lindane)	ND		0.030	0.24
gamma-Chlordane	ND		0.057	0.24
Heptachlor	ND		0.038	0.24
Heptachlor epoxide	ND		0.034	0.24
Toxaphene	ND		1.5	9.5
Methoxychlor	ND		0.15	0.48
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	37		30 - 121	
Tetrachloro-m-xylene	68		40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 5.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1737

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	38		30 - 121
Tetrachloro-m-xylene	62		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 1800			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.18	0.95
4,4'-DDE	ND		0.18	0.95
4,4'-DDT	ND		0.30	0.95
Aldrin	ND		0.16	0.95
alpha-BHC	ND		0.13	0.95
alpha-Chlordane	ND		0.27	0.95
beta-BHC	ND		0.16	0.95
delta-BHC	ND		0.17	0.95
Dieldrin	ND		0.14	0.95
Endosulfan I	ND		0.25	0.95
Endosulfan II	ND		0.23	0.95
Endosulfan sulfate	ND		0.21	0.95
Endrin	ND		0.21	0.95
Endrin aldehyde	ND		0.21	0.95
Endrin ketone	ND		0.15	0.95
gamma-BHC (Lindane)	ND		0.12	0.95
gamma-Chlordane	ND		0.23	0.95
Heptachlor	ND		0.15	0.95
Heptachlor epoxide	ND		0.14	0.95
Toxaphene	ND		6.1	38
Methoxychlor	ND		0.61	1.9
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	37		30 - 121	
Tetrachloro-m-xylene	71		40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 20

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1800

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	35		30 - 121
Tetrachloro-m-xylene	63		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1050 mL
Dilution:	2.0			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 1822			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.018	0.095
4,4'-DDE	ND		0.018	0.095
4,4'-DDT	ND		0.030	0.095
Aldrin	ND		0.016	0.095
alpha-BHC	ND		0.013	0.095
alpha-Chlordane	ND		0.027	0.095
beta-BHC	ND		0.016	0.095
delta-BHC	0.024	J p	0.017	0.095
Dieldrin	ND		0.014	0.095
Endosulfan I	ND		0.025	0.095
Endosulfan II	ND		0.023	0.095
Endosulfan sulfate	ND		0.021	0.095
Endrin	ND		0.021	0.095
Endrin aldehyde	ND		0.021	0.095
Endrin ketone	ND		0.015	0.095
gamma-BHC (Lindane)	ND		0.012	0.095
gamma-Chlordane	ND		0.023	0.095
Heptachlor	ND		0.015	0.095
Heptachlor epoxide	ND		0.014	0.095
Toxaphene	ND		0.61	3.8
Methoxychlor	ND		0.061	0.19
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	12	X	30 - 121	
Tetrachloro-m-xylene	36	X	40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 2.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1822

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	8	X	30 - 121
Tetrachloro-m-xylene	28	X	40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 1844			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0091	0.048
4,4'-DDE	ND		0.0092	0.048
4,4'-DDT	ND		0.015	0.048
Aldrin	ND		0.0078	0.048
alpha-BHC	ND		0.0067	0.048
alpha-Chlordane	ND		0.013	0.048
beta-BHC	ND		0.0080	0.048
delta-BHC	ND		0.0083	0.048
Dieldrin	ND		0.0071	0.048
Endosulfan I	ND		0.012	0.048
Endosulfan II	ND		0.011	0.048
Endosulfan sulfate	ND		0.010	0.048
Endrin	ND		0.010	0.048
Endrin aldehyde	ND		0.010	0.048
Endrin ketone	ND		0.0074	0.048
gamma-BHC (Lindane)	ND		0.0061	0.048
gamma-Chlordane	ND		0.011	0.048
Heptachlor	ND		0.0076	0.048
Heptachlor epoxide	ND		0.0068	0.048
Toxaphene	ND		0.30	1.9
Methoxychlor	ND		0.030	0.095
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	18	X	30 - 121	
Tetrachloro-m-xylene	56		40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1844

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	19	X	30 - 121
Tetrachloro-m-xylene	53		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1050 mL
Dilution:	10			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 1906			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.091	0.48
4,4'-DDE	ND		0.092	0.48
4,4'-DDT	ND		0.15	0.48
Aldrin	ND		0.078	0.48
alpha-BHC	ND		0.067	0.48
alpha-Chlordane	ND		0.13	0.48
beta-BHC	ND		0.080	0.48
delta-BHC	ND		0.083	0.48
Dieldrin	ND		0.071	0.48
Endosulfan I	ND		0.12	0.48
Endosulfan II	ND		0.11	0.48
Endosulfan sulfate	ND		0.10	0.48
Endrin	ND		0.10	0.48
Endrin aldehyde	ND		0.10	0.48
Endrin ketone	ND		0.074	0.48
gamma-BHC (Lindane)	ND		0.061	0.48
gamma-Chlordane	ND		0.11	0.48
Heptachlor	ND		0.076	0.48
Heptachlor epoxide	ND		0.068	0.48
Toxaphene	ND		3.0	19
Methoxychlor	ND		0.30	0.95
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	57		30 - 121	
Tetrachloro-m-xylene	77		40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 10

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1906

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		30 - 121
Tetrachloro-m-xylene	76		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Prep Method:	3520C	Prep Batch:	240-133080	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/06/2014 1928			Injection Volume:	1 uL
Prep Date:	06/03/2014 0758			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0091	0.048
4,4'-DDE	ND		0.0092	0.048
4,4'-DDT	ND		0.015	0.048
Aldrin	ND		0.0078	0.048
alpha-BHC	ND		0.0067	0.048
alpha-Chlordane	ND		0.013	0.048
beta-BHC	ND		0.0080	0.048
delta-BHC	ND		0.0083	0.048
Dieldrin	ND		0.0071	0.048
Endosulfan I	ND		0.012	0.048
Endosulfan II	ND		0.011	0.048
Endosulfan sulfate	ND		0.010	0.048
Endrin	ND		0.010	0.048
Endrin aldehyde	ND		0.010	0.048
Endrin ketone	ND		0.0074	0.048
gamma-BHC (Lindane)	ND		0.0061	0.048
gamma-Chlordane	ND		0.011	0.048
Heptachlor	ND		0.0076	0.048
Heptachlor epoxide	ND		0.0068	0.048
Toxaphene	ND		0.30	1.9
Methoxychlor	ND		0.030	0.095
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	22	X	30 - 121	
Tetrachloro-m-xylene	59		40 - 120	

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 240-133651

Instrument ID: A2HP15

Prep Method: 3520C

Prep Batch: 240-133080

Initial Weight/Volume: 1050 mL

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 06/06/2014 1928

Injection Volume: 1 uL

Prep Date: 06/03/2014 0758

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	20	X	30 - 121
Tetrachloro-m-xylene	56		40 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 0945			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.17	0.50
Aroclor-1221	ND		0.13	0.50
Aroclor-1232	ND		0.16	0.50
Aroclor-1242	ND		0.22	0.50
Aroclor-1248	ND		0.099	0.50
Aroclor-1254	ND		0.16	0.50
Aroclor-1260	ND		0.17	0.50
Aroclor-1262	ND		0.15	0.50
Aroclor-1268	ND		0.24	0.50
Polychlorinated biphenyls, Total	ND		0.099	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	128		23 - 136
DCB Decachlorobiphenyl	67		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1002			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		23 - 136
DCB Decachlorobiphenyl	33		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1018			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		23 - 136
DCB Decachlorobiphenyl	25		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1035			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	39		23 - 136
DCB Decachlorobiphenyl	14		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1051			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		23 - 136
DCB Decachlorobiphenyl	19		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1108			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		23 - 136
DCB Decachlorobiphenyl	43		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-133448	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-133081	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1124			Injection Volume:	1 uL
Prep Date:	06/03/2014 0801			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.12	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.095	0.48
Aroclor-1254	ND		0.15	0.48
Aroclor-1260	ND		0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48
Polychlorinated biphenyls, Total	ND		0.095	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		23 - 136
DCB Decachlorobiphenyl	22		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR061G0514

Lab Sample ID: 240-37948-1

Date Sampled: 05/29/2014 1700

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1116			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	130	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	6.2	J	2.2	10
Silver	ND		2.2	10
Arsenic	6.7	J	3.2	15
Lead	2.3	J	1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0844			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR060G0514

Lab Sample ID: 240-37948-2

Date Sampled: 05/30/2014 0930

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1120			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	37	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	8.3	J	2.2	10
Silver	ND		2.2	10
Arsenic	7.8	J	3.2	15
Lead	ND		1.9	10
Selenium	16	J	4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0849			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR059G0514

Lab Sample ID: 240-37948-3

Date Sampled: 05/30/2014 0955

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1124			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	200	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	7.9	J	2.2	10
Silver	ND		2.2	10
Arsenic	11	J	3.2	15
Lead	2.1	J	1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0851			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR058G0514

Lab Sample ID: 240-37948-4

Date Sampled: 05/30/2014 1030

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1048			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	420	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	12	J	3.2	15
Lead	ND		1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0852			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: PLR057G0514

Lab Sample ID: 240-37948-5

Date Sampled: 05/30/2014 1145

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1128			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	92	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	3.0	J	2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	15
Lead	2.0	J	1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0853			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW51G0514

Lab Sample ID: 240-37948-6

Date Sampled: 05/30/2014 1450

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1132			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	210	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	2.6	J	2.2	10
Silver	ND		2.2	10
Arsenic	6.0	J	3.2	15
Lead	ND		1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0855			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-37948-1

Client Sample ID: CARMW52G0514

Lab Sample ID: 240-37948-7

Date Sampled: 05/30/2014 1550

Client Matrix: Water

Date Received: 05/31/2014 0935

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-133505	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-133131	Lab File ID:	I9060514A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 1136			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	200	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	22		3.2	15
Lead	ND		1.9	10
Selenium	ND		4.1	20

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-133591	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-133134	Lab File ID:	060514A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/05/2014 0856			Final Weight/Volume:	50 mL
Prep Date:	06/03/2014 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-133558					
LCS 240-133558/4	Lab Control Sample	T	Water	8260C	
MB 240-133558/6	Method Blank	T	Water	8260C	
240-37948-4	PLR058G0514	T	Water	8260C	
Analysis Batch:240-134234					
LCS 240-134234/4	Lab Control Sample	T	Water	8260C	
MB 240-134234/6	Method Blank	T	Water	8260C	
240-37948-2	PLR060G0514	T	Water	8260C	
240-37948-3	PLR059G0514	T	Water	8260C	
240-37948-5	PLR057G0514	T	Water	8260C	
240-37948-8TB	TRIP BLANK	T	Water	8260C	
Analysis Batch:240-134356					
LCS 240-134356/4	Lab Control Sample	T	Water	8260C	
MB 240-134356/6	Method Blank	T	Water	8260C	
240-37948-1	PLR061G0514	T	Water	8260C	
240-37948-6	CARMW51G0514	T	Water	8260C	
240-37948-7	CARMW52G0514	T	Water	8260C	
240-37948-7MS	Matrix Spike	T	Water	8260C	
240-37948-7MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-133077					
LCS 240-133077/16-A	Lab Control Sample	T	Water	3510C	
MB 240-133077/15-A	Method Blank	T	Water	3510C	
240-37948-1	PLR061G0514	T	Water	3510C	
240-37948-2	PLR060G0514	T	Water	3510C	
240-37948-3	PLR059G0514	T	Water	3510C	
240-37948-4	PLR058G0514	T	Water	3510C	
240-37948-5	PLR057G0514	T	Water	3510C	
Prep Batch: 240-133294					
LCS 240-133294/7-A	Lab Control Sample	T	Water	3510C	
MB 240-133294/6-A	Method Blank	T	Water	3510C	
240-37948-6	CARMW51G0514	T	Water	3510C	
240-37948-7	CARMW52G0514	T	Water	3510C	
Analysis Batch:240-133670					
LCS 240-133077/16-A	Lab Control Sample	T	Water	8270D	240-133077
MB 240-133077/15-A	Method Blank	T	Water	8270D	240-133077
LCS 240-133294/7-A	Lab Control Sample	T	Water	8270D	240-133294
MB 240-133294/6-A	Method Blank	T	Water	8270D	240-133294
240-37948-6	CARMW51G0514	T	Water	8270D	240-133294
240-37948-7	CARMW52G0514	T	Water	8270D	240-133294
Analysis Batch:240-133791					
240-37948-1	PLR061G0514	T	Water	8270D	240-133077
240-37948-2	PLR060G0514	T	Water	8270D	240-133077
240-37948-3	PLR059G0514	T	Water	8270D	240-133077
240-37948-4	PLR058G0514	T	Water	8270D	240-133077
240-37948-5	PLR057G0514	T	Water	8270D	240-133077

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-133080					
LCS 240-133080/13-A	Lab Control Sample	T	Water	3520C	
MB 240-133080/12-A	Method Blank	T	Water	3520C	
240-37948-1	PLR061G0514	T	Water	3520C	
240-37948-2	PLR060G0514	T	Water	3520C	
240-37948-3	PLR059G0514	T	Water	3520C	
240-37948-4	PLR058G0514	T	Water	3520C	
240-37948-5	PLR057G0514	T	Water	3520C	
240-37948-6	CARMW51G0514	T	Water	3520C	
240-37948-7	CARMW52G0514	T	Water	3520C	
Prep Batch: 240-133081					
LCS 240-133081/9-A	Lab Control Sample	T	Water	3520C	
MB 240-133081/8-A	Method Blank	T	Water	3520C	
240-37948-1	PLR061G0514	T	Water	3520C	
240-37948-2	PLR060G0514	T	Water	3520C	
240-37948-3	PLR059G0514	T	Water	3520C	
240-37948-4	PLR058G0514	T	Water	3520C	
240-37948-5	PLR057G0514	T	Water	3520C	
240-37948-6	CARMW51G0514	T	Water	3520C	
240-37948-7	CARMW52G0514	T	Water	3520C	
Analysis Batch:240-133448					
LCS 240-133081/9-A	Lab Control Sample	T	Water	8082A	240-133081
MB 240-133081/8-A	Method Blank	T	Water	8082A	240-133081
240-37948-1	PLR061G0514	T	Water	8082A	240-133081
240-37948-2	PLR060G0514	T	Water	8082A	240-133081
240-37948-3	PLR059G0514	T	Water	8082A	240-133081
240-37948-4	PLR058G0514	T	Water	8082A	240-133081
240-37948-5	PLR057G0514	T	Water	8082A	240-133081
240-37948-6	CARMW51G0514	T	Water	8082A	240-133081
240-37948-7	CARMW52G0514	T	Water	8082A	240-133081
Analysis Batch:240-133651					
PB 240-133651/6	Preparation / Extraction Blank	T	Water	8081B	
LCS 240-133080/13-A	Lab Control Sample	T	Water	8081B	240-133080
MB 240-133080/12-A	Method Blank	T	Water	8081B	240-133080
240-37948-1	PLR061G0514	T	Water	8081B	240-133080
240-37948-2	PLR060G0514	T	Water	8081B	240-133080
240-37948-3	PLR059G0514	T	Water	8081B	240-133080
240-37948-4	PLR058G0514	T	Water	8081B	240-133080
240-37948-5	PLR057G0514	T	Water	8081B	240-133080
240-37948-6	CARMW51G0514	T	Water	8081B	240-133080
240-37948-7	CARMW52G0514	T	Water	8081B	240-133080

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Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-133131					
LCS 240-133131/2-A	Lab Control Sample	R	Water	3005A	
MB 240-133131/1-A	Method Blank	R	Water	3005A	
240-37948-1	PLR061G0514	R	Water	3005A	
240-37948-2	PLR060G0514	R	Water	3005A	
240-37948-3	PLR059G0514	R	Water	3005A	
240-37948-4	PLR058G0514	R	Water	3005A	
240-37948-4MS	Matrix Spike	R	Water	3005A	
240-37948-4MSD	Matrix Spike Duplicate	R	Water	3005A	
240-37948-5	PLR057G0514	R	Water	3005A	
240-37948-6	CARMW51G0514	R	Water	3005A	
240-37948-7	CARMW52G0514	R	Water	3005A	
Prep Batch: 240-133134					
LCS 240-133134/2-A	Lab Control Sample	T	Water	7470A	
MB 240-133134/1-A	Method Blank	T	Water	7470A	
240-37948-1	PLR061G0514	T	Water	7470A	
240-37948-2	PLR060G0514	T	Water	7470A	
240-37948-3	PLR059G0514	T	Water	7470A	
240-37948-4	PLR058G0514	T	Water	7470A	
240-37948-5	PLR057G0514	T	Water	7470A	
240-37948-6	CARMW51G0514	T	Water	7470A	
240-37948-7	CARMW52G0514	T	Water	7470A	
Analysis Batch: 240-133505					
LCS 240-133131/2-A	Lab Control Sample	R	Water	6010C	240-133131
MB 240-133131/1-A	Method Blank	R	Water	6010C	240-133131
240-37948-1	PLR061G0514	R	Water	6010C	240-133131
240-37948-2	PLR060G0514	R	Water	6010C	240-133131
240-37948-3	PLR059G0514	R	Water	6010C	240-133131
240-37948-4	PLR058G0514	R	Water	6010C	240-133131
240-37948-4MS	Matrix Spike	R	Water	6010C	240-133131
240-37948-4MSD	Matrix Spike Duplicate	R	Water	6010C	240-133131
240-37948-5	PLR057G0514	R	Water	6010C	240-133131
240-37948-6	CARMW51G0514	R	Water	6010C	240-133131
240-37948-7	CARMW52G0514	R	Water	6010C	240-133131

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-133591					
LCS 240-133134/2-A	Lab Control Sample	T	Water	7470A	240-133134
MB 240-133134/1-A	Method Blank	T	Water	7470A	240-133134
240-37948-1	PLR061G0514	T	Water	7470A	240-133134
240-37948-2	PLR060G0514	T	Water	7470A	240-133134
240-37948-3	PLR059G0514	T	Water	7470A	240-133134
240-37948-4	PLR058G0514	T	Water	7470A	240-133134
240-37948-5	PLR057G0514	T	Water	7470A	240-133134
240-37948-6	CARMW51G0514	T	Water	7470A	240-133134
240-37948-7	CARMW52G0514	T	Water	7470A	240-133134

Report Basis

R = Total Recoverable

T = Total

Client: EnSafe, Inc.

Job Number: 240-37948-1

Surrogate Recovery Report**8260C Volatile Organic Compounds by GC/MS****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-37948-1	PLR061G0514	90	88	81	88
240-37948-2	PLR060G0514	88	88	81	88
240-37948-3	PLR059G0514	90	88	82	89
240-37948-4	PLR058G0514	84	93	80	95
240-37948-5	PLR057G0514	90	88	80	90
240-37948-6	CARMW51G0514	89	89	80	88
240-37948-7	CARMW52G0514	87	90	82	88
240-37948-8	TRIP BLANK	90	87	81	89
MB 240-133558/6		82	90	81	90
MB 240-134234/6		93	91	80	90
MB 240-134356/6		92	88	79	87
LCS 240-133558/4		93	91	95	86
LCS 240-134234/4		94	90	89	85
LCS 240-134356/4		91	89	91	87
240-37948-7 MS	CARMW52G0514 MS	91	90	87	85
240-37948-7 MSD	CARMW52G0514 MSD	92	92	87	85

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	74-120
DBFM = Dibromofluoromethane (Surr)	75-121
BFB = 4-Bromofluorobenzene (Surr)	66-120
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129

Client: EnSafe, Inc.

Job Number: 240-37948-1

Surrogate Recovery Report**8270D Semivolatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
240-37948-1	PLR061G0514	50	61	60	65	76	73
240-37948-2	PLR060G0514	45	51	52	53	69	64
240-37948-3	PLR059G0514	47	64	62	67	70	70
240-37948-4	PLR058G0514	59	67	64	74	84	80
240-37948-5	PLR057G0514	56	67	65	69	78	76
240-37948-6	CARMW51G0514	64	67	68	68	84	80
240-37948-7	CARMW52G0514	68	69	73	74	88	83
MB 240-133077/15-A		65	71	70	72	87	53
MB 240-133294/6-A		70	72	73	72	89	65
LCS 240-133077/16-A		54	63	65	67	77	68
LCS 240-133294/7-A		70	74	77	78	86	80

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	29-110
2FP = 2-Fluorophenol (Surr)	15-110
NBZ = Nitrobenzene-d5 (Surr)	31-110
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	31-115
TBP = 2,4,6-Tribromophenol (Surr)	21-128

Client: EnSafe, Inc.

Job Number: 240-37948-1

Surrogate Recovery Report**8081B Organochlorine Pesticides (GC)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-37948-1	PLR061G0514	79	79	128X	118
240-37948-2	PLR060G0514	37	38	68	62
240-37948-3	PLR059G0514	37	35	71	63
240-37948-4	PLR058G0514	12X	8X	36X	28X
240-37948-5	PLR057G0514	18X	19X	56	53
240-37948-6	CARMW51G0514	57	59	77	76
240-37948-7	CARMW52G0514	22X	20X	59	56
MB 240-133080/12-A		89	88	76	71
LCS 240-133080/13-A		30	33	71	71

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-121
TCX = Tetrachloro-m-xylene	40-120

Client: EnSafe, Inc.

Job Number: 240-37948-1

Surrogate Recovery Report**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TCX1	DCB1
		%Rec	%Rec
240-37948-1	PLR061G0514	128	67
240-37948-2	PLR060G0514	69	33
240-37948-3	PLR059G0514	59	25
240-37948-4	PLR058G0514	39	14
240-37948-5	PLR057G0514	59	19
240-37948-6	CARMW51G0514	74	43
240-37948-7	CARMW52G0514	68	22
MB 240-133081/8-A		71	77
LCS 240-133081/9-A		69	65

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	23-136
DCB = DCB Decachlorobiphenyl	10-130

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133558

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-133558/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1254
Prep Date: 06/05/2014 1254
Leach Date: N/A

Analysis Batch: 240-133558
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX17
Lab File ID: UXR3865.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133558

Method: 8260C

Preparation: 5030C

Lab Sample ID:	MB 240-133558/6	Analysis Batch:	240-133558	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/05/2014 1254	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/05/2014 1254				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	82	74 - 120
Dibromofluoromethane (Surr)	90	75 - 121
4-Bromofluorobenzene (Surr)	81	66 - 120
1,2-Dichloroethane-d4 (Surr)	90	63 - 129

Method Blank TICs- Batch: 240-133558

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
91-57-6	2-Methylnaphthalene	14.38	1.07	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133558

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-133558/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/05/2014 1208
 Prep Date: 06/05/2014 1208
 Leach Date: N/A

Analysis Batch: 240-133558
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX17
 Lab File ID: UXR3863.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.64	96	74 - 120	
1,1,2,2-Tetrachloroethane	10.0	9.38	94	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.96	90	74 - 151	
1,1,2-Trichloroethane	10.0	10.4	104	80 - 120	
1,1-Dichloroethane	10.0	9.82	98	80 - 120	
1,1-Dichloroethene	10.0	9.24	92	78 - 131	
1,2,4-Trichlorobenzene	10.0	8.67	87	48 - 135	
1,2-Dibromo-3-Chloropropane	10.0	9.90	99	42 - 136	
Ethylene Dibromide	10.0	10.1	101	79 - 120	
1,2-Dichlorobenzene	10.0	9.33	93	80 - 120	
1,2-Dichloroethane	10.0	9.57	96	71 - 127	
1,2-Dichloropropane	10.0	9.74	97	80 - 120	
1,3-Dichlorobenzene	10.0	9.27	93	80 - 120	
1,4-Dichlorobenzene	10.0	9.43	94	80 - 120	
2-Butanone (MEK)	20.0	18.0	90	60 - 126	
2-Hexanone	20.0	19.0	95	55 - 133	
4-Methyl-2-pentanone (MIBK)	20.0	19.6	98	63 - 128	
Acetone	20.0	17.9	89	43 - 136	
Benzene	10.0	9.47	95	80 - 120	
Dichlorobromomethane	10.0	9.86	99	72 - 121	
Bromoform	10.0	9.83	98	40 - 131	
Bromomethane	10.0	9.56	96	11 - 185	
Carbon disulfide	10.0	9.77	98	62 - 142	
Carbon tetrachloride	10.0	9.93	99	66 - 128	
Chlorobenzene	10.0	9.70	97	80 - 120	
Chloroethane	10.0	10.4	104	25 - 153	
Chloroform	10.0	9.68	97	79 - 120	
Chloromethane	10.0	8.42	84	44 - 126	
cis-1,2-Dichloroethene	10.0	9.83	98	80 - 120	
cis-1,3-Dichloropropene	10.0	10.2	102	61 - 120	
Cyclohexane	10.0	9.69	97	54 - 121	
Chlorodibromomethane	10.0	10.2	102	64 - 120	
Dichlorodifluoromethane	10.0	6.87	69	19 - 129	
Ethylbenzene	10.0	9.95	100	80 - 120	
Isopropylbenzene	10.0	10.2	102	75 - 120	
Methyl acetate	50.0	45.5	91	58 - 131	
Methyl tert-butyl ether	10.0	9.39	94	52 - 144	
Methylcyclohexane	10.0	9.33	93	56 - 127	
Methylene Chloride	10.0	10.2	102	66 - 131	
Styrene	10.0	10.5	105	79 - 120	
Tetrachloroethene	10.0	9.63	96	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133558

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-133558/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/05/2014 1208
 Prep Date: 06/05/2014 1208
 Leach Date: N/A

Analysis Batch: 240-133558
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX17
 Lab File ID: UXR3863.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	10.0	9.95	99	80 - 120	
trans-1,2-Dichloroethene	10.0	9.67	97	80 - 120	
trans-1,3-Dichloropropene	10.0	11.0	110	58 - 120	
Trichloroethene	10.0	9.79	98	76 - 120	
Trichlorofluoromethane	10.0	8.88	89	49 - 157	
Vinyl chloride	10.0	8.29	83	53 - 127	
Xylenes, Total	20.0	20.3	102	80 - 120	
m-Xylene & p-Xylene	10.0	10.2	102	80 - 120	
o-Xylene	10.0	10.1	101	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	93		74 - 120		
Dibromofluoromethane (Surr)	91		75 - 121		
4-Bromofluorobenzene (Surr)	95		66 - 120		
1,2-Dichloroethane-d4 (Surr)	86		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-134234

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-134234/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/11/2014 1337
Prep Date: 06/11/2014 1337
Leach Date: N/A

Analysis Batch: 240-134234
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX10
Lab File ID: UXX1244.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.604	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-134234

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 240-134234/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/11/2014 1337
 Prep Date: 06/11/2014 1337
 Leach Date: N/A

Analysis Batch: 240-134234
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX10
 Lab File ID: UXX1244.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	93	74 - 120
Dibromofluoromethane (Surr)	91	75 - 121
4-Bromofluorobenzene (Surr)	80	66 - 120
1,2-Dichloroethane-d4 (Surr)	90	63 - 129

Method Blank TICs- Batch: 240-134234

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-134234

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-134234/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/11/2014 1252
Prep Date: 06/11/2014 1252
Leach Date: N/A

Analysis Batch: 240-134234
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX10
Lab File ID: UXX1242.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.59	96	74 - 120	
1,1,2,2-Tetrachloroethane	10.0	9.87	99	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.2	102	74 - 151	
1,1,2-Trichloroethane	10.0	10.6	106	80 - 120	
1,1-Dichloroethane	10.0	9.53	95	80 - 120	
1,1-Dichloroethene	10.0	9.87	99	78 - 131	
1,2,4-Trichlorobenzene	10.0	7.91	79	48 - 135	
1,2-Dibromo-3-Chloropropane	10.0	10.4	104	42 - 136	
Ethylene Dibromide	10.0	10.9	109	79 - 120	
1,2-Dichlorobenzene	10.0	9.12	91	80 - 120	
1,2-Dichloroethane	10.0	9.65	96	71 - 127	
1,2-Dichloropropane	10.0	9.22	92	80 - 120	
1,3-Dichlorobenzene	10.0	9.33	93	80 - 120	
1,4-Dichlorobenzene	10.0	9.31	93	80 - 120	
2-Butanone (MEK)	20.0	18.1	90	60 - 126	
2-Hexanone	20.0	17.2	86	55 - 133	
4-Methyl-2-pentanone (MIBK)	20.0	18.0	90	63 - 128	
Acetone	20.0	14.3	72	43 - 136	
Benzene	10.0	9.75	98	80 - 120	
Dichlorobromomethane	10.0	9.99	100	72 - 121	
Bromoform	10.0	11.0	110	40 - 131	
Bromomethane	10.0	10.1	101	11 - 185	
Carbon disulfide	10.0	9.30	93	62 - 142	
Carbon tetrachloride	10.0	10.0	100	66 - 128	
Chlorobenzene	10.0	9.92	99	80 - 120	
Chloroethane	10.0	9.88	99	25 - 153	
Chloroform	10.0	10.0	100	79 - 120	
Chloromethane	10.0	6.14	61	44 - 126	
cis-1,2-Dichloroethene	10.0	9.91	99	80 - 120	
cis-1,3-Dichloropropene	10.0	10.4	104	61 - 120	
Cyclohexane	10.0	8.06	81	54 - 121	
Chlorodibromomethane	10.0	11.4	114	64 - 120	
Dichlorodifluoromethane	10.0	5.20	52	19 - 129	
Ethylbenzene	10.0	9.99	100	80 - 120	
Isopropylbenzene	10.0	9.81	98	75 - 120	
Methyl acetate	50.0	44.3	89	58 - 131	
Methyl tert-butyl ether	10.0	10.5	105	52 - 144	
Methylcyclohexane	10.0	9.24	92	56 - 127	
Methylene Chloride	10.0	9.34	93	66 - 131	
Styrene	10.0	10.3	103	79 - 120	
Tetrachloroethene	10.0	10.2	102	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-134234

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-134234/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/11/2014 1252
 Prep Date: 06/11/2014 1252
 Leach Date: N/A

Analysis Batch: 240-134234
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX10
 Lab File ID: UXX1242.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	10.0	10.5	105	80 - 120	
trans-1,2-Dichloroethene	10.0	10.3	103	80 - 120	
trans-1,3-Dichloropropene	10.0	12.4	124	58 - 120	*
Trichloroethene	10.0	10.4	104	76 - 120	
Trichlorofluoromethane	10.0	8.38	84	49 - 157	
Vinyl chloride	10.0	8.27	83	53 - 127	
Xylenes, Total	20.0	20.3	102	80 - 120	
m-Xylene & p-Xylene	10.0	10.2	102	80 - 120	
o-Xylene	10.0	10.1	101	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	94		74 - 120		
Dibromofluoromethane (Surr)	90		75 - 121		
4-Bromofluorobenzene (Surr)	89		66 - 120		
1,2-Dichloroethane-d4 (Surr)	85		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-134356

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-134356/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/12/2014 1030
Prep Date: 06/12/2014 1030
Leach Date: N/A

Analysis Batch: 240-134356
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX10
Lab File ID: UXX1274.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.518	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-134356

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 240-134356/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/12/2014 1030
 Prep Date: 06/12/2014 1030
 Leach Date: N/A

Analysis Batch: 240-134356
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX10
 Lab File ID: UXX1274.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	74 - 120
Dibromofluoromethane (Surr)	88	75 - 121
4-Bromofluorobenzene (Surr)	79	66 - 120
1,2-Dichloroethane-d4 (Surr)	87	63 - 129

Method Blank TICs- Batch: 240-134356

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-134356

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-134356/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/12/2014 0900
 Prep Date: 06/12/2014 0900
 Leach Date: N/A

Analysis Batch: 240-134356
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX10
 Lab File ID: UXX1270.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.70	97	74 - 120	
1,1,2,2-Tetrachloroethane	10.0	9.99	100	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.2	102	74 - 151	
1,1,2-Trichloroethane	10.0	10.5	105	80 - 120	
1,1-Dichloroethane	10.0	9.62	96	80 - 120	
1,1-Dichloroethene	10.0	9.92	99	78 - 131	
1,2,4-Trichlorobenzene	10.0	8.42	84	48 - 135	
1,2-Dibromo-3-Chloropropane	10.0	11.1	111	42 - 136	
Ethylene Dibromide	10.0	10.9	109	79 - 120	
1,2-Dichlorobenzene	10.0	9.54	95	80 - 120	
1,2-Dichloroethane	10.0	9.88	99	71 - 127	
1,2-Dichloropropane	10.0	9.53	95	80 - 120	
1,3-Dichlorobenzene	10.0	9.62	96	80 - 120	
1,4-Dichlorobenzene	10.0	9.77	98	80 - 120	
2-Butanone (MEK)	20.0	19.9	100	60 - 126	
2-Hexanone	20.0	18.8	94	55 - 133	
4-Methyl-2-pentanone (MIBK)	20.0	20.9	104	63 - 128	
Acetone	20.0	15.4	77	43 - 136	
Benzene	10.0	9.87	99	80 - 120	
Dichlorobromomethane	10.0	10.0	100	72 - 121	
Bromoform	10.0	11.0	110	40 - 131	
Bromomethane	10.0	12.1	121	11 - 185	
Carbon disulfide	10.0	9.59	96	62 - 142	
Carbon tetrachloride	10.0	10.2	102	66 - 128	
Chlorobenzene	10.0	10.0	100	80 - 120	
Chloroethane	10.0	11.0	110	25 - 153	
Chloroform	10.0	9.99	100	79 - 120	
Chloromethane	10.0	6.30	63	44 - 126	
cis-1,2-Dichloroethene	10.0	10.1	101	80 - 120	
cis-1,3-Dichloropropene	10.0	11.0	110	61 - 120	
Cyclohexane	10.0	8.22	82	54 - 121	
Chlorodibromomethane	10.0	11.4	114	64 - 120	
Dichlorodifluoromethane	10.0	5.57	56	19 - 129	
Ethylbenzene	10.0	9.95	99	80 - 120	
Isopropylbenzene	10.0	10.1	101	75 - 120	
Methyl acetate	50.0	47.0	94	58 - 131	
Methyl tert-butyl ether	10.0	11.3	113	52 - 144	
Methylcyclohexane	10.0	9.42	94	56 - 127	
Methylene Chloride	10.0	9.55	95	66 - 131	
Styrene	10.0	10.7	107	79 - 120	
Tetrachloroethene	10.0	9.98	100	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-134356

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-134356/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/12/2014 0900
 Prep Date: 06/12/2014 0900
 Leach Date: N/A

Analysis Batch: 240-134356
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX10
 Lab File ID: UXX1270.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	10.0	10.2	102	80 - 120	
trans-1,2-Dichloroethene	10.0	10.3	103	80 - 120	
trans-1,3-Dichloropropene	10.0	12.2	122	58 - 120	*
Trichloroethene	10.0	10.5	105	76 - 120	
Trichlorofluoromethane	10.0	9.16	92	49 - 157	
Vinyl chloride	10.0	8.85	88	53 - 127	
Xylenes, Total	20.0	20.5	103	80 - 120	
m-Xylene & p-Xylene	10.0	10.3	103	80 - 120	
o-Xylene	10.0	10.2	102	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	91		74 - 120		
Dibromofluoromethane (Surr)	89		75 - 121		
4-Bromofluorobenzene (Surr)	91		66 - 120		
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-134356

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-37948-7	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1296.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1841			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1841				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-37948-7	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1297.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1904			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1904				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	96	94	68 - 121	2	30		
1,1,2,2-Tetrachloroethane	94	93	63 - 122	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	97	96	70 - 152	1	30		
1,1,2-Trichloroethane	103	102	75 - 120	1	30		
1,1-Dichloroethane	96	97	79 - 120	1	30		
1,1-Dichloroethene	99	100	74 - 135	1	30		
1,2,4-Trichlorobenzene	78	82	38 - 138	5	30		
1,2-Dibromo-3-Chloropropane	97	103	32 - 139	6	30		
Ethylene Dibromide	102	102	74 - 120	0	30		
1,2-Dichlorobenzene	92	95	75 - 120	4	30		
1,2-Dichloroethane	96	95	68 - 129	1	30		
1,2-Dichloropropane	95	94	78 - 120	0	30		
1,3-Dichlorobenzene	90	92	73 - 120	2	30		
1,4-Dichlorobenzene	91	92	75 - 120	0	30		
2-Butanone (MEK)	91	89	54 - 129	3	30		
2-Hexanone	81	81	47 - 139	0	30		
4-Methyl-2-pentanone (MIBK)	91	94	56 - 131	3	30		
Acetone	74	71	33 - 145	4	30		
Benzene	98	99	72 - 121	1	30		
Dichlorobromomethane	97	97	67 - 120	0	30		
Bromoform	97	97	32 - 128	0	30		
Bromomethane	123	105	10 - 186	16	30		
Carbon disulfide	96	96	57 - 147	0	30		
Carbon tetrachloride	98	97	59 - 129	1	30		
Chlorobenzene	99	98	80 - 120	1	30		
Chloroethane	115	108	21 - 165	6	30		
Chloroform	98	100	76 - 120	3	30		
Chloromethane	66	65	33 - 132	2	30		
cis-1,2-Dichloroethene	100	100	70 - 120	0	30		
cis-1,3-Dichloropropene	98	100	51 - 120	1	30		
Cyclohexane	77	77	49 - 123	0	30		
Chlorodibromomethane	103	104	56 - 120	1	30		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-134356

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-37948-7	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1296.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1841			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1841				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-37948-7	Analysis Batch:	240-134356	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1297.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/12/2014 1904			Final Weight/Volume:	5 mL
Prep Date:	06/12/2014 1904				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	46	44	17 - 128	5	30		
Ethylbenzene	98	95	75 - 120	2	30		
Isopropylbenzene	96	97	68 - 120	0	30		
Methyl acetate	89	88	47 - 130	1	30		
Methyl tert-butyl ether	105	104	46 - 144	1	30		
Methylcyclohexane	88	88	49 - 127	0	30		
Methylene Chloride	90	90	63 - 128	1	30		
Styrene	102	101	71 - 120	1	30		
Tetrachloroethene	96	97	70 - 120	1	30		
Toluene	101	102	78 - 120	1	30		
trans-1,2-Dichloroethene	105	106	80 - 120	1	30		
trans-1,3-Dichloropropene	109	107	46 - 120	2	30		
Trichloroethene	90	92	66 - 120	0	30	E	E
Trichlorofluoromethane	92	86	46 - 157	7	30		
Vinyl chloride	91	89	49 - 130	1	30		
Xylenes, Total	99	98	76 - 120	2	30		
m-Xylene & p-Xylene	99	97	75 - 120	2	30		
o-Xylene	99	99	76 - 120	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	92	74 - 120
Dibromofluoromethane (Surr)	90	92	75 - 121
4-Bromofluorobenzene (Surr)	87	87	66 - 120
1,2-Dichloroethane-d4 (Surr)	85	85	63 - 129

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133077

Method: 8270D Preparation: 3510C

Lab Sample ID: MB 240-133077/15-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1823
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606021.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.020	0.20
Acetophenone	ND		0.14	1.0
Anthracene	ND		0.031	0.20
Atrazine	ND		0.12	1.0
Benzaldehyde	ND		0.30	1.0
Benzo[a]anthracene	ND		0.059	0.20
Benzo[a]pyrene	ND		0.030	0.20
Benzo[b]fluoranthene	ND		0.059	0.20
Benzo[g,h,i]perylene	ND		0.050	0.20
Benzo[k]fluoranthene	ND		0.048	0.20
1,1'-Biphenyl	ND		0.12	1.0
Bis(2-chloroethoxy)methane	ND		0.037	1.0
Bis(2-chloroethyl)ether	ND		0.19	1.0
Bis(2-ethylhexyl) phthalate	1.93	J	1.5	2.0
4-Bromophenyl phenyl ether	ND		0.35	2.0
Butyl benzyl phthalate	ND		0.22	1.0
Caprolactam	ND		0.37	5.0
Carbazole	ND		0.11	1.0
4-Chloroaniline	ND		0.15	2.0
4-Chloro-3-methylphenol	ND		0.28	2.0
2-Chloronaphthalene	ND		0.12	1.0
2-Chlorophenol	ND		0.13	1.0
4-Chlorophenyl phenyl ether	ND		0.29	2.0
Chrysene	ND		0.035	0.20
Dibenz(a,h)anthracene	ND		0.040	0.20
Dibenzofuran	ND		0.14	1.0
3,3'-Dichlorobenzidine	ND		0.35	5.0
2,4-Dichlorophenol	ND		0.29	2.0
Diethyl phthalate	ND		0.13	1.0
2,4-Dimethylphenol	ND		0.31	2.0
Dimethyl phthalate	ND		0.10	1.0
Di-n-butyl phthalate	1.94		0.40	1.0
4,6-Dinitro-2-methylphenol	ND		0.53	5.0
2,4-Dinitrophenol	ND		6.1	40
2,4-Dinitrotoluene	ND		0.26	5.0
2,6-Dinitrotoluene	ND		0.24	5.0
Di-n-octyl phthalate	ND		0.37	1.0
Fluoranthene	ND		0.027	0.20
Fluorene	ND		0.034	0.20
Hexachlorobenzene	ND		0.12	1.0
Hexachlorobutadiene	ND		0.14	1.0
Hexachlorocyclopentadiene	ND		2.5	10
Hexachloroethane	ND		0.22	1.0
Indeno[1,2,3-cd]pyrene	ND		0.048	0.20

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133077

Method: 8270D Preparation: 3510C

Lab Sample ID: MB 240-133077/15-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1823
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606021.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Isophorone	ND		0.042	1.0
2-Methylnaphthalene	ND		0.037	0.20
2-Methylphenol	ND		0.19	1.0
3 & 4 Methylphenol	ND		0.34	2.0
Naphthalene	ND		0.043	0.20
2-Nitroaniline	ND		0.31	2.0
3-Nitroaniline	ND		0.27	2.0
4-Nitroaniline	ND		0.24	2.0
Nitrobenzene	ND		0.12	1.0
2-Nitrophenol	ND		0.21	2.0
4-Nitrophenol	ND		0.59	5.0
N-Nitrosodi-n-propylamine	ND		0.16	1.0
N-Nitrosodiphenylamine	ND		0.11	1.0
2,2'-oxybis[1-chloropropane]	ND		0.18	1.0
Pentachlorophenol	ND		5.5	40
Phenanthrene	ND		0.031	0.20
Phenol	ND		0.15	1.0
Pyrene	ND		0.028	0.20
2,4,5-Trichlorophenol	ND		0.37	5.0
2,4,6-Trichlorophenol	ND		0.26	5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	29 - 110
2-Fluorophenol (Surr)	71	15 - 110
Nitrobenzene-d5 (Surr)	70	31 - 110
Phenol-d5 (Surr)	72	10 - 110
Terphenyl-d14 (Surr)	87	31 - 115
2,4,6-Tribromophenol (Surr)	53	21 - 128

Method Blank TICs- Batch: 240-133077

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133077

Method: 8270D

Preparation: 3510C

Lab Sample ID: LCS 240-133077/16-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/06/2014 1846
 Prep Date: 06/03/2014 0750
 Leach Date: N/A

Analysis Batch: 240-133670
 Prep Batch: 240-133077
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A4AG2
 Lab File ID: 0606022.D
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	23.9	60	40 - 160	
Acenaphthylene	40.0	23.3	58	40 - 160	
Acetophenone	40.0	26.5	66	40 - 160	
Anthracene	40.0	24.9	62	40 - 160	
Atrazine	80.0	53.5	67	40 - 160	
Benzaldehyde	80.0	85.8	107	20 - 120	
Benzo[a]anthracene	40.0	25.4	64	40 - 160	
Benzo[a]pyrene	40.0	26.0	65	40 - 160	
Benzo[b]fluoranthene	40.0	27.0	68	40 - 160	
Benzo[g,h,i]perylene	40.0	26.2	65	40 - 160	
Benzo[k]fluoranthene	40.0	27.7	69	40 - 160	
1,1'-Biphenyl	40.0	23.0	57	40 - 160	
Bis(2-chloroethoxy)methane	40.0	27.0	67	40 - 160	
Bis(2-chloroethyl)ether	40.0	25.8	65	40 - 160	
Bis(2-ethylhexyl) phthalate	40.0	25.7	64	40 - 160	
4-Bromophenyl phenyl ether	40.0	25.0	63	40 - 160	
Butyl benzyl phthalate	40.0	27.2	68	40 - 160	
Caprolactam	80.0	58.9	74	10 - 120	
Carbazole	40.0	26.3	66	40 - 160	
4-Chloroaniline	40.0	33.4	84	10 - 120	
4-Chloro-3-methylphenol	40.0	28.1	70	40 - 160	
2-Chloronaphthalene	40.0	22.7	57	40 - 160	
2-Chlorophenol	40.0	25.2	63	40 - 160	
4-Chlorophenyl phenyl ether	40.0	24.0	60	40 - 160	
Chrysene	40.0	25.9	65	40 - 160	
Dibenz(a,h)anthracene	40.0	27.8	70	40 - 160	
Dibenzofuran	40.0	23.8	59	40 - 160	
3,3'-Dichlorobenzidine	80.0	50.0	63	10 - 120	
2,4-Dichlorophenol	40.0	27.3	68	40 - 160	
Diethyl phthalate	40.0	26.5	66	40 - 160	
2,4-Dimethylphenol	40.0	21.5	54	10 - 120	
Dimethyl phthalate	40.0	26.1	65	40 - 160	
Di-n-butyl phthalate	40.0	28.9	72	40 - 160	
4,6-Dinitro-2-methylphenol	80.0	45.2	57	40 - 160	
2,4-Dinitrophenol	80.0	24.6	31	20 - 120	J
2,4-Dinitrotoluene	40.0	27.8	70	40 - 160	
2,6-Dinitrotoluene	40.0	27.0	68	40 - 160	
Di-n-octyl phthalate	40.0	26.3	66	40 - 160	
Fluoranthene	40.0	25.8	64	40 - 160	
Fluorene	40.0	23.7	59	40 - 160	
Hexachlorobenzene	40.0	24.8	62	40 - 160	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133077

Method: 8270D

Preparation: 3510C

Lab Sample ID: LCS 240-133077/16-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1846
Prep Date: 06/03/2014 0750
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133077
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606022.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	40.0	17.6	44	40 - 160	J *
Hexachlorocyclopentadiene	40.0	4.21	11	40 - 160	
Hexachloroethane	40.0	16.7	42	40 - 160	
Indeno[1,2,3-cd]pyrene	40.0	26.9	67	40 - 160	
Isophorone	40.0	28.4	71	40 - 160	
2-Methylnaphthalene	40.0	22.3	56	40 - 160	
2-Methylphenol	40.0	25.3	63	20 - 120	
3 & 4 Methylphenol	40.0	25.9	65	40 - 160	
Naphthalene	40.0	23.0	57	40 - 160	
2-Nitroaniline	40.0	26.0	65	40 - 160	
3-Nitroaniline	40.0	25.7	64	40 - 160	
4-Nitroaniline	40.0	24.8	62	40 - 160	
Nitrobenzene	40.0	26.5	66	40 - 160	
2-Nitrophenol	40.0	27.0	67	40 - 160	
4-Nitrophenol	80.0	49.4	62	10 - 120	
N-Nitrosodi-n-propylamine	40.0	27.1	68	40 - 160	
N-Nitrosodiphenylamine	80.0	51.9	65	40 - 160	
2,2'-oxybis[1-chloropropane]	40.0	25.5	64	40 - 160	
Pentachlorophenol	80.0	49.8	62	10 - 120	
Phenanthrene	40.0	25.1	63	40 - 160	
Phenol	40.0	29.2	73	10 - 120	
Pyrene	40.0	26.0	65	40 - 160	
2,4,5-Trichlorophenol	40.0	25.7	64	20 - 120	
2,4,6-Trichlorophenol	40.0	26.0	65	40 - 160	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	54	29 - 110
2-Fluorophenol (Surr)	63	15 - 110
Nitrobenzene-d5 (Surr)	65	31 - 110
Phenol-d5 (Surr)	67	10 - 110
Terphenyl-d14 (Surr)	77	31 - 115
2,4,6-Tribromophenol (Surr)	68	21 - 128

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133294

Method: 8270D Preparation: 3510C

Lab Sample ID: MB 240-133294/6-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1910
Prep Date: 06/04/2014 0857
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133294
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606023.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.020	0.20
Acetophenone	ND		0.14	1.0
Anthracene	ND		0.031	0.20
Atrazine	ND		0.12	1.0
Benzaldehyde	ND		0.30	1.0
Benzo[a]anthracene	ND		0.059	0.20
Benzo[a]pyrene	ND		0.030	0.20
Benzo[b]fluoranthene	ND		0.059	0.20
Benzo[g,h,i]perylene	ND		0.050	0.20
Benzo[k]fluoranthene	ND		0.048	0.20
1,1'-Biphenyl	ND		0.12	1.0
Bis(2-chloroethoxy)methane	ND		0.037	1.0
Bis(2-chloroethyl)ether	ND		0.19	1.0
Bis(2-ethylhexyl) phthalate	3.40		1.5	2.0
4-Bromophenyl phenyl ether	ND		0.35	2.0
Butyl benzyl phthalate	ND		0.22	1.0
Caprolactam	ND		0.37	5.0
Carbazole	ND		0.11	1.0
4-Chloroaniline	ND		0.15	2.0
4-Chloro-3-methylphenol	ND		0.28	2.0
2-Chloronaphthalene	ND		0.12	1.0
2-Chlorophenol	ND		0.13	1.0
4-Chlorophenyl phenyl ether	ND		0.29	2.0
Chrysene	ND		0.035	0.20
Dibenz(a,h)anthracene	ND		0.040	0.20
Dibenzofuran	ND		0.14	1.0
3,3'-Dichlorobenzidine	ND		0.35	5.0
2,4-Dichlorophenol	ND		0.29	2.0
Diethyl phthalate	ND		0.13	1.0
2,4-Dimethylphenol	ND		0.31	2.0
Dimethyl phthalate	ND		0.10	1.0
Di-n-butyl phthalate	1.99		0.40	1.0
4,6-Dinitro-2-methylphenol	ND		0.53	5.0
2,4-Dinitrophenol	ND		6.1	40
2,4-Dinitrotoluene	ND		0.26	5.0
2,6-Dinitrotoluene	ND		0.24	5.0
Di-n-octyl phthalate	ND		0.37	1.0
Fluoranthene	ND		0.027	0.20
Fluorene	ND		0.034	0.20
Hexachlorobenzene	ND		0.12	1.0
Hexachlorobutadiene	ND		0.14	1.0
Hexachlorocyclopentadiene	ND		2.5	10
Hexachloroethane	ND		0.22	1.0
Indeno[1,2,3-cd]pyrene	ND		0.048	0.20

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133294

Method: 8270D Preparation: 3510C

Lab Sample ID: MB 240-133294/6-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1910
Prep Date: 06/04/2014 0857
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133294
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606023.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Isophorone	ND		0.042	1.0
2-Methylnaphthalene	ND		0.037	0.20
2-Methylphenol	ND		0.19	1.0
3 & 4 Methylphenol	ND		0.34	2.0
Naphthalene	ND		0.043	0.20
2-Nitroaniline	ND		0.31	2.0
3-Nitroaniline	ND		0.27	2.0
4-Nitroaniline	ND		0.24	2.0
Nitrobenzene	ND		0.12	1.0
2-Nitrophenol	ND		0.21	2.0
4-Nitrophenol	ND		0.59	5.0
N-Nitrosodi-n-propylamine	ND		0.16	1.0
N-Nitrosodiphenylamine	ND		0.11	1.0
2,2'-oxybis[1-chloropropane]	ND		0.18	1.0
Pentachlorophenol	ND		5.5	40
Phenanthrene	ND		0.031	0.20
Phenol	ND		0.15	1.0
Pyrene	ND		0.028	0.20
2,4,5-Trichlorophenol	ND		0.37	5.0
2,4,6-Trichlorophenol	ND		0.26	5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	70	29 - 110
2-Fluorophenol (Surr)	72	15 - 110
Nitrobenzene-d5 (Surr)	73	31 - 110
Phenol-d5 (Surr)	72	10 - 110
Terphenyl-d14 (Surr)	89	31 - 115
2,4,6-Tribromophenol (Surr)	65	21 - 128

Method Blank TICs- Batch: 240-133294

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133294

Method: 8270D

Preparation: 3510C

Lab Sample ID: LCS 240-133294/7-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/06/2014 1933
 Prep Date: 06/04/2014 0857
 Leach Date: N/A

Analysis Batch: 240-133670
 Prep Batch: 240-133294
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A4AG2
 Lab File ID: 0606024.D
 Initial Weight/Volume: 250 mL
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	27.7	69	40 - 160	
Acenaphthylene	40.0	27.3	68	40 - 160	
Acetophenone	40.0	31.0	78	40 - 160	
Anthracene	40.0	28.5	71	40 - 160	
Atrazine	80.0	61.9	77	40 - 160	
Benzaldehyde	80.0	83.6	104	20 - 120	
Benzo[a]anthracene	40.0	28.4	71	40 - 160	
Benzo[a]pyrene	40.0	29.1	73	40 - 160	
Benzo[b]fluoranthene	40.0	29.8	74	40 - 160	
Benzo[g,h,i]perylene	40.0	28.2	71	40 - 160	
Benzo[k]fluoranthene	40.0	31.0	77	40 - 160	
1,1'-Biphenyl	40.0	27.7	69	40 - 160	
Bis(2-chloroethoxy)methane	40.0	31.2	78	40 - 160	
Bis(2-chloroethyl)ether	40.0	30.9	77	40 - 160	
Bis(2-ethylhexyl) phthalate	40.0	30.5	76	40 - 160	
4-Bromophenyl phenyl ether	40.0	29.1	73	40 - 160	
Butyl benzyl phthalate	40.0	30.9	77	40 - 160	
Caprolactam	80.0	56.7	71	10 - 120	
Carbazole	40.0	31.4	78	40 - 160	
4-Chloroaniline	40.0	38.7	97	10 - 120	
4-Chloro-3-methylphenol	40.0	32.4	81	40 - 160	
2-Chloronaphthalene	40.0	27.7	69	40 - 160	
2-Chlorophenol	40.0	30.4	76	40 - 160	
4-Chlorophenyl phenyl ether	40.0	28.9	72	40 - 160	
Chrysene	40.0	28.5	71	40 - 160	
Dibenz(a,h)anthracene	40.0	30.2	76	40 - 160	
Dibenzofuran	40.0	28.0	70	40 - 160	
3,3'-Dichlorobenzidine	80.0	49.0	61	10 - 120	
2,4-Dichlorophenol	40.0	31.8	80	40 - 160	
Diethyl phthalate	40.0	30.1	75	40 - 160	
2,4-Dimethylphenol	40.0	26.5	66	10 - 120	
Dimethyl phthalate	40.0	30.5	76	40 - 160	
Di-n-butyl phthalate	40.0	31.7	79	40 - 160	
4,6-Dinitro-2-methylphenol	80.0	58.1	73	40 - 160	
2,4-Dinitrophenol	80.0	46.9	59	20 - 120	
2,4-Dinitrotoluene	40.0	32.6	81	40 - 160	
2,6-Dinitrotoluene	40.0	30.8	77	40 - 160	
Di-n-octyl phthalate	40.0	29.7	74	40 - 160	
Fluoranthene	40.0	29.7	74	40 - 160	
Fluorene	40.0	27.9	70	40 - 160	
Hexachlorobenzene	40.0	27.6	69	40 - 160	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133294

Method: 8270D

Preparation: 3510C

Lab Sample ID: LCS 240-133294/7-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/06/2014 1933
Prep Date: 06/04/2014 0857
Leach Date: N/A

Analysis Batch: 240-133670
Prep Batch: 240-133294
Leach Batch: N/A
Units: ug/L

Instrument ID: A4AG2
Lab File ID: 0606024.D
Initial Weight/Volume: 250 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	40.0	21.2	53	40 - 160	J *
Hexachlorocyclopentadiene	40.0	6.18	15	40 - 160	
Hexachloroethane	40.0	21.1	53	40 - 160	
Indeno[1,2,3-cd]pyrene	40.0	29.4	73	40 - 160	
Isophorone	40.0	32.8	82	40 - 160	
2-Methylnaphthalene	40.0	27.3	68	40 - 160	
2-Methylphenol	40.0	29.9	75	20 - 120	
3 & 4 Methylphenol	40.0	31.1	78	40 - 160	
Naphthalene	40.0	28.2	71	40 - 160	
2-Nitroaniline	40.0	30.8	77	40 - 160	
3-Nitroaniline	40.0	27.3	68	40 - 160	
4-Nitroaniline	40.0	29.8	74	40 - 160	
Nitrobenzene	40.0	31.2	78	40 - 160	
2-Nitrophenol	40.0	32.2	81	40 - 160	
4-Nitrophenol	80.0	56.5	71	10 - 120	
N-Nitrosodi-n-propylamine	40.0	31.7	79	40 - 160	
N-Nitrosodiphenylamine	80.0	57.8	72	40 - 160	
2,2'-oxybis[1-chloropropane]	40.0	30.1	75	40 - 160	
Pentachlorophenol	80.0	63.3	79	10 - 120	
Phenanthrene	40.0	29.2	73	40 - 160	
Phenol	40.0	31.0	77	10 - 120	
Pyrene	40.0	29.8	74	40 - 160	
2,4,5-Trichlorophenol	40.0	30.5	76	20 - 120	
2,4,6-Trichlorophenol	40.0	29.5	74	40 - 160	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	70	29 - 110
2-Fluorophenol (Surr)	74	15 - 110
Nitrobenzene-d5 (Surr)	77	31 - 110
Phenol-d5 (Surr)	78	10 - 110
Terphenyl-d14 (Surr)	86	31 - 115
2,4,6-Tribromophenol (Surr)	80	21 - 128

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133080

Method: 8081B

Preparation: 3520C

Lab Sample ID: MB 240-133080/12-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/06/2014 2204
 Prep Date: 06/03/2014 0758
 Leach Date: N/A

Analysis Batch: 240-133651
 Prep Batch: 240-133080
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A2HP15
 Lab File ID: F0060632.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.0096	0.050
4,4'-DDE	ND		0.0097	0.050
4,4'-DDT	ND		0.016	0.050
Aldrin	ND		0.0082	0.050
alpha-BHC	ND		0.0070	0.050
alpha-Chlordane	ND		0.014	0.050
beta-BHC	ND		0.0084	0.050
delta-BHC	ND		0.0087	0.050
Dieldrin	ND		0.0075	0.050
Endosulfan I	ND		0.013	0.050
Endosulfan II	ND		0.012	0.050
Endosulfan sulfate	ND		0.011	0.050
Endrin	ND		0.011	0.050
Endrin aldehyde	ND		0.011	0.050
Endrin ketone	ND		0.0078	0.050
gamma-BHC (Lindane)	ND		0.0064	0.050
gamma-Chlordane	ND		0.012	0.050
Heptachlor	ND		0.0080	0.050
Heptachlor epoxide	ND		0.0071	0.050
Toxaphene	ND		0.32	2.0
Methoxychlor	ND		0.032	0.10

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	30 - 121
Tetrachloro-m-xylene	76	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	30 - 121
Tetrachloro-m-xylene	71	40 - 120

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Lab Control Sample - Batch: 240-133080

Method: 8081B

Preparation: 3520C

Lab Sample ID: LCS 240-133080/13-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/06/2014 2226
 Prep Date: 06/03/2014 0758
 Leach Date: N/A

Analysis Batch: 240-133651
 Prep Batch: 240-133080
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A2HP15
 Lab File ID: F0060633.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.524	105	61 - 160	
4,4'-DDE	0.500	0.472	94	50 - 160	
4,4'-DDT	0.500	0.511	102	43 - 158	
Aldrin	0.500	0.415	83	40 - 155	
alpha-BHC	0.500	0.448	90	52 - 160	
alpha-Chlordane	0.500	0.440	88	44 - 160	
beta-BHC	0.500	0.429	86	60 - 160	
delta-BHC	0.500	0.466	93	55 - 167	
Dieldrin	0.500	0.467	93	62 - 160	
Endosulfan I	0.500	0.351	70	58 - 154	
Endosulfan II	0.500	0.403	81	56 - 145	
Endosulfan sulfate	0.500	0.474	95	64 - 151	
Endrin	0.500	0.529	106	59 - 156	
Endrin aldehyde	0.500	0.448	90	58 - 136	
Endrin ketone	0.500	0.463	93	51 - 138	
gamma-BHC (Lindane)	0.500	0.453	91	65 - 158	
gamma-Chlordane	0.500	0.447	89	58 - 160	
Heptachlor	0.500	0.455	91	40 - 143	
Heptachlor epoxide	0.500	0.442	88	61 - 160	
Methoxychlor	0.500	0.517	103	44 - 144	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	30	30 - 121
Tetrachloro-m-xylene	71	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	33	30 - 121
Tetrachloro-m-xylene	71	40 - 120

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Preparation / Extraction Blank - Batch: 240-133651

Method: 8081B

Preparation: N/A

Lab Sample ID:	PB 240-133651/6	Analysis Batch:	240-133651	Instrument ID:	A2HP15
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F0060606.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/06/2014 1226	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		1.9	10
4,4'-DDE	ND		1.9	10
4,4'-DDT	ND		3.2	10
Aldrin	ND		1.6	10
alpha-BHC	ND		1.4	10
alpha-Chlordane	ND		2.8	10
beta-BHC	ND		1.7	10
delta-BHC	ND		1.7	10
Dieldrin	ND		1.5	10
Endosulfan I	ND		2.6	10
Endosulfan II	ND		2.4	10
Endosulfan sulfate	ND		2.2	10
Endrin	ND		2.2	10
Endrin aldehyde	ND		2.2	10
Endrin ketone	ND		1.6	10
gamma-BHC (Lindane)	ND		1.3	10
gamma-Chlordane	ND		2.4	10
Heptachlor	ND		1.6	10
Heptachlor epoxide	ND		1.4	10
Toxaphene	ND		64	400
Methoxychlor	ND		6.4	20

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl		
Tetrachloro-m-xylene		

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl		
Tetrachloro-m-xylene		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133081

Method: 8082A Preparation: 3520C

Lab Sample ID: MB 240-133081/8-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1141
Prep Date: 06/03/2014 0801
Leach Date: N/A

Analysis Batch: 240-133448
Prep Batch: 240-133081
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP12
Lab File ID: P1200018.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.17	0.50
Aroclor-1221	ND		0.13	0.50
Aroclor-1232	ND		0.16	0.50
Aroclor-1242	ND		0.22	0.50
Aroclor-1248	ND		0.10	0.50
Aroclor-1254	ND		0.16	0.50
Aroclor-1260	ND		0.17	0.50
Aroclor-1262	ND		0.15	0.50
Aroclor-1268	ND		0.24	0.50
Polychlorinated biphenyls, Total	ND		0.10	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	71	23 - 136
DCB Decachlorobiphenyl	77	10 - 130

Lab Control Sample - Batch: 240-133081

Method: 8082A Preparation: 3520C

Lab Sample ID: LCS 240-133081/9-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1157
Prep Date: 06/03/2014 0801
Leach Date: N/A

Analysis Batch: 240-133448
Prep Batch: 240-133081
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP12
Lab File ID: P1200019.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.40	88	66 - 120	
Aroclor-1260	5.00	4.28	86	55 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	23 - 136
DCB Decachlorobiphenyl	65	10 - 130

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133131

Lab Sample ID: MB 240-133131/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1040
Prep Date: 06/03/2014 1032
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133131
Leach Batch: N/A
Units: ug/L

Method: 6010C Preparation: 3005A Total Recoverable

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	1.49	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	15
Lead	ND		1.9	10
Selenium	ND		4.1	20

Lab Control Sample - Batch: 240-133131

Lab Sample ID: LCS 240-133131/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1044
Prep Date: 06/03/2014 1032
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133131
Leach Batch: N/A
Units: ug/L

Method: 6010C Preparation: 3005A Total Recoverable

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1940	97	80 - 120	
Cadmium	50.0	52.6	105	80 - 120	
Chromium	200	200	100	80 - 120	
Silver	50.0	52.9	106	80 - 120	
Arsenic	2000	2060	103	80 - 120	
Lead	500	493	99	80 - 120	
Selenium	2000	2150	108	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-133131

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 240-37948-4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1100
Prep Date: 06/03/2014 1032
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133131
Leach Batch: N/A

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 240-37948-4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 1112
Prep Date: 06/03/2014 1032
Leach Date: N/A

Analysis Batch: 240-133505
Prep Batch: 240-133131
Leach Batch: N/A

Instrument ID: I9
Lab File ID: I9060514A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Barium	99	101	75 - 125	2	20		
Cadmium	106	109	75 - 125	3	20		
Chromium	99	102	75 - 125	3	20		
Silver	109	112	75 - 125	2	20		
Arsenic	104	107	75 - 125	3	20		
Lead	96	99	75 - 125	3	20		
Selenium	109	111	75 - 125	2	20		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-37948-1

Method Blank - Batch: 240-133134

Method: 7470A Preparation: 7470A

Lab Sample ID: MB 240-133134/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 0834
Prep Date: 06/03/2014 1615
Leach Date: N/A

Analysis Batch: 240-133591
Prep Batch: 240-133134
Leach Batch: N/A
Units: ug/L

Instrument ID: H1
Lab File ID: 060514A-HG1.PRN
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-133134

Method: 7470A Preparation: 7470A

Lab Sample ID: LCS 240-133134/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/05/2014 0835
Prep Date: 06/03/2014 1615
Leach Date: N/A

Analysis Batch: 240-133591
Prep Batch: 240-133134
Leach Batch: N/A
Units: ug/L

Instrument ID: H1
Lab File ID: 060514A-HG1.PRN
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.00	100	81 - 123	

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37948 Chain of Custody

3.6, 2.4, 2.8

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD										COC No.		Page 1 of 1			
Project Name: MH3 Oil Investigation										PO No. 16929		Project No. 15577			
Site Location: UTC/Carrier / Syracuse										Sample Analysis Requested (Enter number of containers for each test)					
Send Results To: mheflin@ensafe.com															
Sampler/Phone# M. Crawford 315.283.8871															
Lab Name:															
Turnaround Time(specify):															
Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	8260B Vals	8270C Vals	PCRA Metals 6010C/1247	8081 Pest	8082 PCB'S	Extra Volume for MS/MSD	HOLD
	PLR061G0514	PLR061	5/29/14	1700	WG	N	N	8	X	X	X	X	X		
	PLR060G0514	PLR060	5/30/14	0930				8	X	X	X	X	X		
	PLR059G0514	PLR059	5/30/14	0955				8	X	X	X	X	X		
	PLR058G0514	PLR058	5/30/14	1030				8	X	X	X	X	X		
	PLR057G0514	PLR057	5/30/14	1145	↓	↓	↓	8	X	X	X	X	X		
*	PLR056G0514	PLR056	---	---	No	Sample								No ground 1420	
	CARMW51G0514	NW51	5/30/14	1450	WG	N	N	8	X	X	X	X	X		
	CARMW52G0514	NW52	5/30/14	1550	WG	N	N	8	X	X	X	X	X		
	Trip Blank	---	5/30/14	---	---	---	---	1	X						
Field Comments: Insuff. H2O in Piezo. to collect samples															
Relinquished by (signature) Ad D. CD Date 5/30/14 Time 1646															
Received by (signature) Reinglich Date 5-30-14 Time 1616															
2 Reinglich Date 5-30-14 Time 1910															
3 Derry Brown Date 5/31/14 Time 0935															
Date Shipped:															

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water
 (2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank
 (3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=Sodium bisulfate, ST=Sodium Thiosulfate, if NO preservative added leave blank

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 37948

Client Enstate Site Name MH30:1 Cooler unpacked by: Cherry Burns
Cooler Received on 5/31/14 Opened on 5/31/14
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None
1. Cooler temperature upon receipt
IR GUN# A (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No ☒ See Multiple Cooler Form
-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC302587
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Rm Ross

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

[illegible]

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
PLR061G0514	240-37948-E-1	Plastic 250ml - with Nitric Acid	<2	_____	_____
PLR060G0514	240-37948-E-2	Plastic 250ml - with Nitric Acid	<2	_____	_____
PLR059G0514	240-37948-E-3	Plastic 250ml - with Nitric Acid	<2	_____	_____
PLR058G0514	240-37948-E-4	Plastic 250ml - with Nitric Acid	<2	_____	_____
PLR057G0514	240-37948-E-5	Plastic 250ml - with Nitric Acid	<2	_____	_____
CARMW51G0514	240-37948-E-6	Plastic 250ml - with Nitric Acid	<2	_____	_____
CARMW52G0514	240-37948-E-7	Plastic 250ml - with Nitric Acid	<2	_____	_____